

KANSAS FARMER



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THE KANSAS AND OKLAHOMA GAS-FIELDS PROMISE A GREAT AND CONTINUOUS SUPPLY.

The value of natural gas produced in the United States during the year 1905, is officially estimated at \$41,562,855. This is an increase of \$3,066,099 over the preceding year, due to increase in price rather than increase in production.

As reported by the U. S. Geological Survey, "The known main productive areas of natural gas in the United States are in connection with the Great oil-fields. In the Appalachian field this area extends along the western slope of the Appalachian Mountains from New York State into Kentucky and Tennessee, with strong probabilities that the future will see it extended into the northern part of Alabama and possibly into Mississippi. Experience has shown that in the Appalachian field the area of sandrock which is completely saturated by salt water is much less than in the upper or younger sandstone beds. This condition causes the accumulations of oil to be at or near the lowest points of the rock, and leaves large areas of the higher portions of the rock which are completely filled with natural gas. The gas-producing area of Western Ohio and Indiana has horizons within it which are porous and in which are accumulations of salt water, oil, and gas. The quantity of salt water throughout this field is very plentiful and appears to be capable of advancing and occupying all the spaces as soon as the expansive force of the gas has been relieved by the opening of gas-wells. The source of further supplies of gas will thus be cut off.

In Kansas, Oklahoma, and Indian Territory, the gas-bearing formations of that region. This gas is produced from sandrock in all respects similar to that of the Appalachian field, with the probabilities of an extensive and continuous supply.

"The great oil-fields of Texas and California do not produce natural gas in proportion to their oil production. This is probably caused by the fact that the oil-producing formations of California have been much tilted and are often faulty. Through the vents and cracks thus formed, large quantities of natural gas have escaped into the atmosphere."

It is gratifying to Kansas and Oklahoma to be informed by the best of all authorities that their gas-fields present "probabilities of extensive and continuous supply;" that the characteristics of our conditions are similar to those of the Appalachian gas-fields which have been producing for a longer period than any other and are now showing a greater increase in the value of their production than is found in any other except our own field.

VOTE.

Once in two years every citizen of Kansas has an opportunity to impress his views in favor of good government upon those who will be entrusted with the responsibilities of the work until after the next election. The faithful execution of the laws and the enactment of wise additional legislation has so much to do with the well-being of every person, both old and young, that it becomes a solemn duty of every voter to become well informed upon the men and measures presented, and to vote. Not only should every citizen vote, but he should use his influence to have every other citizen vote.

Good citizens, those who desire the faithful enforcement of all laws, are in a majority in almost every commu-

ity in Kansas and can elect their own kind to the places of responsibility. The other kind, those who profit through lax administration of the law, never fail to vote and to bring every possible influence to secure votes for candidates representing their interests.

THE KANSAS FARMER is not in the political fight, and does not discuss the merits of political platforms and candidates. It does, however, insist that every one of its readers should study the situation well and should vote.

Farmers sometimes complain that their interests are overlooked by those who are elected to office. It is true that politicians sometimes say that it is no use to give much attention to farmers' views, because of the uncertainty whether they will vote, and because of the certainty that those who vote will cast a straight party ballot in any case.

Politicians almost unvaryingly consider the views of those whose support they find essential to their own advancement. It may have been an evil doctrine that Lord Chesterfield taught his son, but it was measurably true in his time, and is measurably true to-day, when he wrote that beneficent public movements up to his time had been promoted chiefly for the furtherance of the selfish interests of those who had promoted them. The moral of this immoral teaching is that good citizens should take so active and energetic a part in elections and primaries as to make their support essential to those who aspire to positions of public responsibility. When this becomes the case, the views that should prevail will be strenuously advocated and promoted during both the candidacy and the official career of public servants.

Let every man who reads THE KANSAS FARMER be an active, aggressive politician during the few days that intervene between this date and election day. It will affect taxes, law-making, law-enforcement, property values, and the future of your children.

BULL OVER ONE YEAR OLD MUST NOT RUN AT LARGE—LEGAL FENCE.

EDITOR KANSAS FARMER:—I have been reading the questions and answers in the columns of your paper, and I have one I would like for you to answer.

My pasture joins on to another that contains pure-bred cattle. The owner does not allow his bull to run in the pasture. I had a fifteen-months-old calf that got through the fence to them, and he claims damage. What is the law in regard to such things? Is there an age limit? What constitutes a lawful fence? SUBSCRIBER.

Labette County.

The General Statutes of Kansas, Sec. 8108, provides as follows:

"If any bull over one year old, or boar over six months old be permitted to run at large, the owner of the same shall be guilty of a misdemeanor, and on conviction thereof shall be fined for the first offense five dollars, and for every subsequent offense shall be fined ten dollars."

In the case of our correspondent, the question is whether the bull was permitted to run at large. If he was confined in a pasture inclosed by a lawful fence, the courts might hold that the owner had complied with the law. As a matter of neighborliness, the owner of a bull should take care that he be sufficiently restrained and should remember that bulls are notoriously disregarding of fences. The value of pure-bred cattle depends to a great extent upon the reliability of the pedi-

grees. Great damage may result from lack of care sufficient to restrain a bull.

An old-time judge is reported to have declared that a legal fence must be "pig tight, horse high, and bull strong."

The Kansas law, chapter 40 of the General Statutes, describes legal fences as follows:

"Sec. 3143. All fields and inclosures shall be inclosed with a fence sufficiently close, composed of posts and rails, posts and palings, posts and planks or pallsades, posts and wires, rails alone, laid up in the manner commonly called a worm fence, of turf, with ditches on each side, of stone, or a hedge, composed either of thorn or Osage orange.

"Sec. 3144. All fences composed of posts and rails, posts and palings, posts and planks, or pallsades, or of stone, or composed of posts and wires, or those composed of turf, shall be at least four feet high. Those composed of rails, commonly called a worm fence, shall be at least four feet and one-half high to the top of the rider, and shall be thoroughly staked and ridered, or if not staked and ridered shall have the corners locked with strong rails, stakes or posts. Those composed of stone shall be at least eighteen inches wide at the bottom, and twelve inches wide at the top. Those composed of turf to be thoroughly staked and ridered, and shall have a ditch on the outside not less than two feet wide at the top and three feet deep. All fences composed of rails or lumber, the bottom rail, board, or plank shall not be more than two feet from the ground in any township, and in those townships where hogs are not prohibited from running at large, it shall not be more than six inches from the ground; and all such fences shall be substantially built and sufficiently close to prevent stock from going through. All hedge fences shall be of such height and thickness as will be sufficient to protect the field or inclosure.

"Sec. 3145. In fences composed of posts and wires, the posts shall be of ordinary size for fencing purposes, and set in the ground at least two feet deep and not more than twelve feet apart, with holes through the posts or staples on the side not more than fifteen inches apart, to admit four separate strands of fence wire not smaller than No. 9, and shall be provided with rollers and levers, at suitable distances to strain and hold the wire straight and firm.

"Sec. 3146. Fences of the material and of the height and sufficiency aforesaid, and all brooks, rivers, creeks, ditches, and constructions which shall be equivalent thereto, in the judgment of the fence viewers within whose jurisdiction the same may be, shall be deemed legal and sufficient fences.

"Sec. 3147. That in addition to the fence now declared by law to be a legal fence, the following shall be a legal fence: A barbed-wire fence, of not less than three wires with third wire from the ground not less than forty-four inches nor more than forty-eight inches from the ground, and bottom wire not more than twenty-four inches nor less than eighteen inches from the ground, with center wire equidistant or nearly so, between upper and lower wires; said wires to be well stretched and barbed, barbs to average not more than nine inches apart; said barbed wire to be composed of two wires not smaller than No. 13, or one wire not smaller than No. 9, wires to be securely fastened to posts, which shall not be more than two rods apart and not less than twenty inches in the ground, and set in a workman-like manner; or the posts may

be not more than forty-eight feet apart with slats placed perpendicularly, not more than twelve feet apart, between the posts, and fastened to the wires by staples, or with holes in the slats: Provided, that in townships or counties where hogs are allowed to run at large, there shall be three additional barbed wires, the lower one of which shall not be more than four inches from the ground, the other two to be placed an equal distance apart, or nearly so, between this and the lower wire as required above."

The laws defining legal fences assume that they are to afford protection against animals which have a legal right to run at large. The case is different with reference to a bull. His owner is required to restrain him from running at large. The section of law making this requirement, quoted above, does not define the means which the owner must employ, but broadly requires the owner to prevent him from running at large. If the owner of the bull had not a legal fence to confine the bull, he is probably liable. The fence in this case was a partition fence. If it was a legal fence, then the owner of the blooded cattle had them protected by all the safeguards contemplated by the law, and the owner of the bull which broke through is probably liable for the damage done as provided in chapter 40, at sections 3174 and 3175, or 3179.

The recent movements in the enforcement of the laws of the United States against rebating, together with the enactment of such amendments of the interstate commerce law as will probably have a salutary effect upon discriminations in freight rates, will not probably cause a setback to any of the large distributing centers, which have been able to secure unfair advantages over less important places; but these large places will doubtless have to get along in future without the ability to rob their neighbors through the rebate and special rate schemes. An effect easily foreseen is the building of trade and manufacturing centers at such places as will be most convenient for the people served. The location of wholesale houses or of factories at points in Kansas has been a precarious undertaking because of the liability that the venture might be made a losing one, on account of advantages extended to competitors at Kansas City, either in the open rates on freight or in secret rebates. Confidence in the prospect for a "square deal" in these respects is already seen in the location of new and important enterprises in interior cities of Kansas. The advantages of equality of opportunity will necessarily be shared by the people who ultimately pay the bills, those whose patronage builds cities and towns.

The "Farmers' Cooperative Business Congress" is in session at Topeka this week. At this writing several delegates have arrived and the addresses of welcome and other formal greetings have been delivered. On account of the necessity of going to press very early in the week, The Kansas Farmer will be unable to present any of the proceedings in this number.

The prices of finished beeves are advancing in a way that promises attractive returns to the farmer who markets his corn and alfalfa over the cattle scales.

Truth is the only thing that never deceives us.—Billings.

THE AMERICAN ROYAL

The Kemper-Faxton Mercantile Company, of Kansas City, had an exhibit on the street and also ran a tallyho coach with a four-horse team for the accommodation of visitors who desired to inspect their enormous store.

The prize for the best mule of any age was awarded to Denny, a 3-year-old bay, belonging to Blackburn & Jones, Warrensburg, Mo. On a pair of mules, 3 years old and under 4, J. G. Arbuthnot, Haworth, Kans., got second prize.

The International Harvester Company of America, also had a large exhibit on Genesee Street, which showed a good line of their agricultural implements, although this exhibit was not so large as that made at the Nebraska and Kansas State Fairs.

The American Royal attained its greatest growth and held its most successful show under the management of a Kansas man. Mr. George Stevenson, of Waterville, Kans., had the satisfaction of seeing these results attained during his term of office as president of the American Royal.

Nearly 20,000 people attended the show more than were present last year. It is estimated that 65,000 people passed through the gates during the week. When it is remembered that only 15,000 people attended the Royal the first year of its history when no admission fee



Shorthorn steer herd shown by Kansas State Agricultural College, winner of first prize and championship and Charles Dixon Commission Co. special for best steer herd.

was charged, it will be seen that a substantial growth has been made in the eight years of its life.

There were but four breeds of hogs shown at the American Royal of the lard type. Kansas had the satisfaction of carrying away the grand championship for boar in both the Poland-China and Berkshire breeds. The championship for Poland-China boar went to Harry Lunt, Burden, Kans., and the championship for Berkshire boar went to T. F. Guthrie, Saffordville, Kans.

The highest price paid for steers in the fat cattle division shown in carlots was paid to C. L. Browning, of Laredo, Mo., by the Armour Packing Company, who bought them for \$7.50 per hundred. While this is the highest price paid for any of the car-lot show cattle, this particular lot was barred from competition by reason of not having a sufficient number of head in the car.

The Angoras were not strong in numbers at the Royal this year, though the quality was as good as any ever seen here. With the exception of one animal, all the exhibits were made from Kansas. N. A. Gwin, of Lawrence, had 16, R. C. Johnston, Lawrence, 17, and J. W. Troutman, Comisky, 6. The only other animal was the \$2,500 Angora shown by the Northern Angora and Live-Stock Company, Helena, Mont.

In the history of the American Royal, which was begun purely as a Hereford Show, the Hereford breed has been represented in 8 annual sales in which a total of 502 head was disposed of at an average price of \$265.66. The Shorthorns have sold in 7 annual sales with 253 head averaging \$237.15. The Galloways have sold in 6 sales with 232 head averaging \$101.80, while the Angus have sold in 5 sales with 175 head averaging \$109.52.

The Dempster Mill Mfg. Co., of Beat-

HEREFORD CHAMPIONS.	
Grand male—Bonnie Brae 3d, Cargill & McMillan, La Crosse, Wis.	
Senior male—Privateer 2d, Cargill & McMillan, La Crosse, Wis.	
Junior male—Bonnie Brae 3d, Cargill & McMillan, La Crosse, Wis.	
Grand female—Heliotope, Cargill & McMillan, La Crosse, Wis.	
Senior female—Heliotope, Cargill & McMillan, La Crosse, Wis.	
Junior female—Ethel 2d, Cargill & McMillan, La Crosse, Wis.	
SHORTHORN CHAMPIONS.	
Grand male—White Hall Marshall 209776, F. W. Harding, Waukesha, Wis.	
Senior male—White Hall Marshall 209776, F. W. Harding, Waukesha, Wis.	
Junior male—Signet 248501, A. Renick, Winchester, Ky.	
Grand female—Welcome of Meadow Lawn 9th, C. E. Clarke, St. Cloud, Minn.	
Senior female—Welcome of Meadow Lawn 9th, C. E. Clarke, St. Cloud, Minn.	
Junior female—Missie of Browndale 12th, F. W. Harding, Waukesha, Wis.	
GALLOWAY CHAMPIONS.	
Grand male—Pat Ryan, G. W. Lindsey, Red Cloud, Neb.	
Senior male—Pat Ryan, G. W. Lindsey, Red Cloud, Neb.	
Junior male—Meadow Lawn Medalist, C. E. Clarke, St. Cloud, Minn.	
Grand female—Myrtle of Avondale, W. M. Brown & Son, Carrollton, Mo.	
Senior female—Myrtle of Avondale, W. M. Brown & Son, Carrollton, Mo.	
Junior female—Sadie of Meadow Lawn, C. E. Clarke, St. Cloud, Minn.	
ABERDEEN-ANGUS CHAMPIONS.	
Grand male—Vala's Rosegay, F. L. Sullivan, Afton, Iowa.	
Senior male—Vala's Rosegay, F. L. Sullivan, Afton, Iowa.	
Junior male—Glenfold Thick, Set 2d., P. J. Donohoe, Holbrook, Iowa.	
Grand female—Eileen Lass, P. J. Donohoe, Holbrook, Iowa.	
Senior female—Eileen Lass, P. J. Donohoe, Holbrook, Iowa.	
Junior female—Brookside Pride 4th, P. J. Donohoe, Holbrook, Iowa.	

rice, Nebr., made a very light exhibit of the output of their mills in a large tent stationed on Genesee Street, just outside the grounds. The exhibit which attracted most attention perhaps, was a gasoline engine operated by denatured alcohol instead of gasoline. This engine attracted an immense amount of attention especially from farmers who are so much interested in the results of

samples of oats were shown which were taken from a yield of 110 bushels per acre. The provinces of Alberta, Saskatchewan, and Manitoba were represented.

One of the greatest exhibits of Berkshire swine ever made in the West, was that of the Hood Farm, Lowell, Mass., at the American Royal. This exhibit was a very fine one and was scheduled as a special attraction at the Missouri State Fair, the week previous, although it did not arrive there in time to show. Prof. R. J. Kinzer was so impressed with the quality of these Berkshires that he bought three gilts for the Agricultural College farm.

The attendants in charge of the Swift Digester Tankage exhibits were kept busy distributing souvenirs in the form of postal cards with pictures of the famous 6-horse Percheron team, which created so much pleasure by their appearance in the arena of the Interstate Live Stock Show, of St. Joseph and the American Royal Live Stock Show, Kansas City. These souvenirs were eagerly sought for by the visitors.

One of the remarkable exhibits made in the swine-pen during the Royal, showed the results of feeding a packing-house by-product to swine. In one pen were three pigs fed by F. M. Anderson, of Onaga, Kans., on five pints of corn and one-half pint of Armour's Meat Meal each per day. The sow pig weighed 240 pounds at 210 days of age. One barrow weighed 205 pounds at 180 days of age and the other bar-



Ideal, first prize Aberdeen-Angus steer, owned by the Kansas State Agricultural College.

row weighed 200 pounds at the same age. This showed a gain of more than one pound per day from the time of birth.

The DeLaval Separator Company made its first exhibit at the American Royal last year. The exhibit was made as an experiment, but it proved so satisfactory, that they arranged a larger and handsomer exhibit for the present Royal. Manager Chas. Crate who had charge last year has been promoted to a position in the general office at Chicago, but the present man-

ager, D. A. Chapman, made things exceedingly pleasant for visitors at the booth. He reports that the DeLaval has had the greatest year in its history.

During the Royal, S. C. Hanna, of Howard, Kans., owner of Palo Duro Shorthorns and president of the Kansas Improved Stock Breeders' Association, had the pleasure of selling at private sale the young herd bull, Pride of Collynie to Jno. McCoy, of Sabetha, Kans., for \$600. This bull is not quite a year old and was sired by Imp. Collynie, 135,022, dam Imp. Mistletoe 15th. He is a full brother to Captain Archer, now at the head of the herd of J. F. Stodder, of Burden, Kans. Captain Archer's photograph was reproduced on page 1,016 of our issue of October 4.

Of all the implement exhibits, none attracted so much attention as did the "automobile" shown by the John Deere Plow Co. This automobile was made of one of their manure spreaders from which the tongue had been removed and in which one of their small gasoline engines had been mounted and belted to the running gear. It was furnished with the regular automobile horn and steering gear while in front was one of their finest cow-boy saddles. The automobile made trips up and down Genesee Street and proved a great advertising card.

In the Poland-China sale-ring at the Royal, Mr. C. E. Shaffer, of THE KANSAS FARMER, topped the sale by paying \$297.50 for a 5-months-old boar pig, which he bought for a customer. The pig was bred and sold by F. A. Tripp, Meriden, Kans., and was bought by Mr. Shaffer for Chas. A. Lewis, Beatrice, Nebr. Mr. Lewis visited the American Royal later in the week and was highly pleased with the pigs that had been bought for him. Breeders of all the different breeds of hogs represented at the show visited the pens of Mr. Tripp and were unable to find fault with this pig.

The show of mules at the American Royal was one of the strongest ever made in the West. It far exceeded in quality, according to good judges, that made at the Louisiana Purchase Exposition. The appearance of the Missouri mule in the show-ring was always the signal for rounds of applause. In this strong showing Mr. J. G. Arbuthnot, of Haworth, Kans., who is a graduate of the Kansas Agricultural College, showed a team on one of which he won third prize in the class 3 years old and under 4. These Kansas mules were fully equal to the average of those shown from Missouri, and those

present at the Royal can easily understand that Kansas produces good mules as well.

J. W. & J. C. Robison, of Towanda, Kans., had the strongest exhibit of Percheron mares that has ever been made at the American Royal. These are the same animals that were shown at the Kansas State Fair and they carried away the ribbons as usual. The Robisons are showing light in the stallion classes this year, not because they do not have good stallions, but because they desire to encourage the

breeding of good mares as well. A visit to the Robison home will show a long string of ribbons and gold medals, that they have won in their various exhibits.

The pictures which have accompanied the reports made of the various fairs which have been published in THE KANSAS FARMER were taken by one of our regular staff with a 3 A Folding Pocket Kodak, similar to that advertised in another column by the Eastman Kodak Co., Rochester, N. Y. The kodak is now so cheap and so effective that the farmers' boys and girls can well afford them as a means of preserving the portraits of favorite animals or pictures of scenes about the farm or to be found on visits to other places. If your dealer does not keep them, write to the home office.

The famous Armour Cup, which has been the special prize contested for by the Hereford exhibitors since 1903, was carried away by the breeding firm of Cargill & McMillan, of LaCrosse, Wis., for the second time. This cup was donated by the late Kirk B. Armour in 1903, when it was won by James A. Funkhouser, of Plattsburg, Mo. In 1904 it was won by O. Harris, of Harris, Mo., and it now becomes the individual property of Cargill & McMillan. It was thought to be a coincidence that Jimmy Price, who has had charge of the fitting of the winning herd for the past two years, was also the man who fitted the O. Harris herd in 1904, when it won this cup.

An innovation was seen at the evening entertainment in the big tent on Wednesday evening, when the program was completed by the addition of a new number providing for the parade of the prize-winning hogs along with the other prize-winning animals. Representatives of the four breeds were in the parade to the number of about 50 head, the average weight of which was something more than 600 pounds, though there were several individuals which weighed over 900 pounds each. Following the hogs came the prize-winners of the cattle and horse classes and, taken altogether, it was an exceedingly interesting show.

During the Royal, the Kansas Breeders of Duroc-Jersey swine organized the Kansas Duroc-Jersey Breeders' Association, with 31 charter members. George Kerr, Sabetha, Kans., was elected president and M. G. Hamm, of Holton, Kans., secretary. During the week also, Kansas enrolled 17 new members of the National Duroc Breeders' Association which places this State second in total membership in that body. Iowa stands at the head of the list with the largest number of breeders who are members of the National association. The Kansas Duroc Breeders' Association is expected to more than double its membership within the next thirty days.

The car-lot classes attracted their full share of attention this year, and from the contest Kansas gained her share of the ribbons. In the fat classes H. H. Drake, Frankfort, Kans., got second prize on a car-lot of Herefords. In the feeder classes, about 100 carloads competed. In Hereford steers, 2 years old and under 3, A. Phillip & Son, Hays, Kans., got second prize. In the 1 year and under 2 car-lot they got third prize, while in the under 1 year class they got first prize. All of the prizes for feeders of the Galloway breed came to Kansas. In steer 2 years old and under 3, C. H. Jackson, Jetmore, Kans., got first. In steers 1 year old and under 2, J. A. Keagy, Ellis, got first; J. M. Hill, Riverton, second and C. H. Jackson, Jetmore, third. Sweepstakes were given to C. H. Jackson.

On the evening of Wednesday, October 10, at the Midland Hotel, the American Hereford Cattle Breeders' Association held its annual meeting. Several important matters came before the association, among which was the appropriating of \$20,000 for the advancement of the interests of the breed. Collin Cameron, of Lochiel, Ariz., was elected president, to succeed Chas. Gudgeon, of Independence, Mo. Chas. R. Thomas was reelected secretary for the eighteenth time. The other officers elected at this meeting were Robt. H. Hazlett, Eldorado, Kans., vice-president; Walter B. Waddell, Lexington, Mo., treasurer; C. A. Stannard, Emporia, Kans., Theo. Mortimer, Madison, Nebr., and S. W. Anderson, Blaker Mills, W. Va., were elected members of the board of directors for three years. Overton Harris, of Harris, Mo., was elected a director for two years to fill a vacancy. C. A. Stannard was re-elected a mem-

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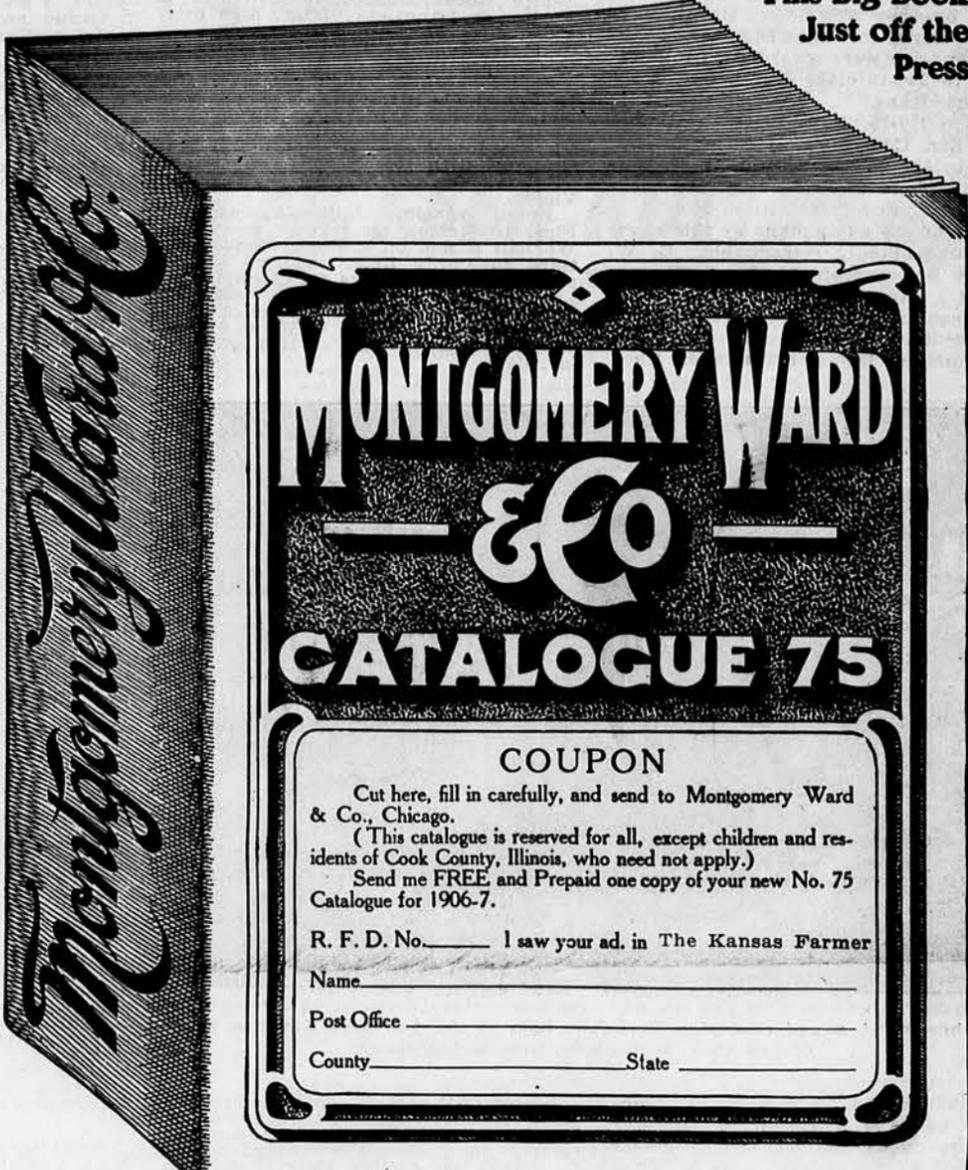
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ber of the executive committee for three years.

The most conspicuous and attractive feature of this American Royal was the Horse Show. It was not only the greatest show of horses ever made at an American Royal, but it was one of the greatest shows ever made in the United States. This show was superintended by Mr. H. A. Heath, of THE Kansas Farmer, to whom the credit should be given for bringing it together as well as for its management during the week. Especial credit is due him for the management of the evening shows, which included the prize-winning horses as shown in breeding classes, the four and six horse hitches shown by the Armour and Swift Packing Companies, the ponies, which were not competitors, and the prize winning stock of all breeds including hogs. Under the skillful management of Mr. Heath these evening shows moved off like clock work.

The Horse Show at the American Royal was the biggest and best exhibition of draft horses of all breeds ever made in America excepting that at the World's Fair. In fact the International Exposition at Chicago never surpassed the Kansas City show, of this year. The show of Shire and Bel-

gian horses was undoubtedly the best display ever made of these breeds in America. The horse department of the American Royal was the big attraction this year and its phenomenal success was very gratifying to the management, and if the recommendations of Manager Heath are accepted by the new board of directors, the annual Royal horse show will become the greatest breeders' and importers' show of draft horses in America. The new horse barn erected this year is most satisfactory and is ideal in its appointments from the horse exhibitor's standpoint.

Although not entered in competition, the eleven head of Shetland and Hackney ponies shown by Chas. E. Bunn, of Peoria, Ill., attracted an immense amount of attention, especially from the ladies and little folks. Among them is the champion pony of the World's Fair, at St. Louis, who is now five years old and measures 41 inches at the withers. A cash offer of \$1,200 has been refused for this pony whose name is Grandee. In this group also is Prince of Wales, the sire of Grandee, who has not been shown for several years. And another one, whose name is General Shafter, has never been defeated in the show-ring except by Grandee. Among the Hackney ponies

is May Girl, that has shown on both sides of the Atlantic in numerous fashionable horse shows and has never been defeated. These ponies furnished a prominent feature of the evening shows in the big tent and are here for the purpose of showing in the horse show in the Convention Hall, at Kansas City, next week.

The agricultural implement manufacturers and others not showing live stock made the largest displays this year that was ever made at an American Royal show. The exhibitors of implements, etc., were as follows: The DeLaval Cream Separator Co., of Chicago; The Vermont Farm Machine Co., of Bellows Falls, Vermont; The Dempster Mill Mfg. Co., Beatrice, Nebr.; International Harvester Company of America, Chicago, Ill.; The Kemper-Paxton Mercantile Co., Kansas City, Mo.; Fairbanks-Morse & Co., Kansas City, Mo.; The Standard Oil Co., The Globe Stock Food Co., Kansas City, Mo.; Parke-Davis & Co., Blacklegoids, Detroit, Mich.; The Moore Chemical & Manufacturing Co., Car-Sul-Dip, Kansas City, Mo.; Armour Packing Co., Meat Meal, Kansas City, Mo.; George H. Moore Chemical Co., Kol-Sulfur Dip, Kansas City, Mo.; Swift Packing Co., Digester Tankage, Kansas City, Mo.; National Pitless Scale Company, Ko-

dig scales, Kansas City, Mo.; Missouri Seed Company, Kansas City, Mo.; Insectine Disinfectant Co., Germifume, St. Joseph, Mo.; Canadian Government, Agricultural Products; Parlin & Orendorf, Implements, Kansas City, Mo.; Kemp Manure Spreader; Jno. Deere Plow Co., Implements, Manure Spreaders, etc., Kansas City, Mo.; Emerson-Newton Co., Implements, Kansas City, Mo.; Butler Steele Tanks, Kansas City, Mo.; Columbia Steel Tanks, Kansas City, Mo.; Challenge Windmill Co., Windmills and Alcohol Engine, Batavia, Ill. and Topeka, Kans.; Loudon Hay Tools, Loudon, Iowa; The Rock Island and Frisco System, Products along their lines.

Premiums in contest for prizes offered by the American Royal Live Stock show for the Digester Tankage-fed hogs were awarded as follows:

150 to 200-lb class—First, Geo. Kerr, Sabetha, Kans.

200 to 250-lb class—First, G. W. Davis & Son, Cowgill, Mo.

250 to 300-lb class—First, W. T. Williams & Sons, Harrisonville, Mo.; second, Harry Sneed, Smithton, Mo.

Some of the gains made by this stock were undoubtedly remarkable. G. W. Davis & Son exhibited three Chester Whites, farrowed April 15, 1906. They ran in a bunch of 100 head all summer until 30 days ago, being fed small amount Digester Tankage. They

Howard, Kans.; Kansas Agricultural College, Manhattan, Kans.; Missouri Agricultural College, Columbia, Mo.; S. H. Woods, Kansas City, Mo.; Dr. H. W. Givens, Fayette, Mo.; John O'Kane, Wisner, Neb.; Jos. McConnell, Kearney, Mo.
Judges: Thos. Clark, Beecher, Ill.; Jos. M. Hall, Paris, Ky.; and T. B. Hart, Edinburg, Ill.

AWARDS.

Aged bull, 13 entries—First to Harding on White Hall Marshall; second to Hanna on Missle's Diamond; third to Clarke on Bapton Favorite; fourth to Thomas, Jameson & Mitchell on Orange Viscount; fifth to Newell on Master of The Grove; sixth to Regier on Nonpareil Star; seventh to Bothwell on Golden Lavender; eighth to Tomson & Sons on Silvery Knight.

Two-year-old bull, 7 entries—First to Bellows Bros. on Good Choice; second to Wornall & Son on The Conqueror; third to Thomas, Jameson & Mitchell on White Goods; fourth to Converse & Forbes on Dauntless Victor; fifth to J. F. Stodder on Lord Elbert; sixth to A. F. Huse on Lord Butterfly; seventh to Guilford Dudley on Select Goods.

Senior yearling bull, 6 entries—First to Hanna on Diamond's Mariner; second to Joseph Duncan on Gwendoline Victor 2d; third to Stunkel on Valley Victor; fourth to Stodder on Royal Orange; fifth to Newell on Fancy Viscount; sixth to Stunkel on Waterloo Victor.

Junior yearling bull, 13 entries—First to Renick on Signet; second to Wornall & Son on Careless Conqueror; third to Purdy Bros. on Lord Champion; fourth to Graves on Champion of Lyndale; fifth to O'Kane on American Flag; sixth to Tomson & Sons on Galant Lavender; seventh to Morse & Sons on Inaugurate; eighth to Hill on Rob-in Adair.

11th; eighth to Tomson & Sons on Delightful; ninth to Clarke on Dorothea 3d; tenth to Wornall & Son on Sweet Tone 2d; eleventh to Bellows Bros. on Model Maid; twelfth to Purdy Bros. on Monarch's Ruby; thirteenth to Hanna on Diamond's Nellie.

Junior heifer calf, 18 entries—First to Thomas, Jameson & Mitchell on Rose O'Day; second to Bellows Bros. on Hampton's Queen Beauty 2d; third to Tomson & Sons on Rose Archer; fourth to Hanna on Diamond's Lavender; fifth to Wornall & Son on Glad Smile; sixth to Clarke on Molly 3d; seventh to Clarke on Lady Dorothea 4th; eighth to Bellows Bros. on Model Rose; ninth to Harding on Ramsden Flower; 10th to Leonard & Son on Viscount's Rosamond; eleventh to Hanna on Collynie Mistletoe; twelfth to Hill on Martha Dalney.

Senior sweepstakes bull 2 years or over, 2 entries—Harding on White Hall Marshall.

Junior sweepstakes bull under 2 years, 4 entries—Renick on Signet.

Grand sweepstakes bull any age, 2 entries—Harding on White Hall Marshall.

Senior sweepstakes cow 2 years or over—Clarke on Welcome of Meadow Lawn 9th.

Junior sweepstakes heifer under 2 years, 4 entries—Harding on Missie of Browndale.

Grand sweepstakes cow or heifer any age, 2 entries—Clarke on Welcome of Meadow Lawn 9th.

Aged herd, 7 entries—First to Harding; second to Clarke; third to Wornall & Son; fourth to Thomas, Jameson & Mitchell; fifth to Hanna.

PURE-BRED SHORTHORNS, FAT STOCK.

In the class for pure-bred Shorthorn aged steers the honors fell to the Kansas Agricultural College on their white steer, Tim. This is a remarkably good steer and was one of the first-prize steer herd at Chicago last fall. Second in this class went to W. A. Forsythe, on Bapton's Choice. The class was judged by the regular judges on the pure-bred classes, Clarke, Hall, and Hart.

In the yearling class S. C. Hanna won first on Captain Primrose, second to Thomas, Jameson & Mitchell on Coleridge, and the Missouri Agricultural College third on First Attempt.

There were three entries in the calf class, first going to the Kansas College on Colonel Harriman, second to Newell on Ravenswood Challenger, and Peak & Son's Johnny Quinn was third.

The aged steer, Tim, shown by the Kansas College, was made champion of the show.

Pure breeds, herd consisting of 1 steer, spayed or martin heifer, 2 years and under 3, 1 year and under 2, and under 1 year—First to Kansas State Agricultural College; second to Peak & Son.

GRADE SHORTHORNS.

Steer, spayed or martin heifer, 2 years, 2 entries—First and second to Peak & Son.

Steer, spayed or martin heifer, 1 year and under 2, 3 entries—First to Kansas State Agricultural College; second to Peak & Son; third to same.

Steer, spayed or martin heifer under 1 year, 4 entries—First to Caldwell; second to Stodder; third to Peak & Son. Sweepstakes, best steer, spayed or martin heifer any age, 3 entries—Kansas State Agricultural College.

Charles Dixon Commission Company Special, best Shorthorn steer, pure-bred or grade, under 3 years—Kansas State Agricultural College on Tim.

HEREFORDS.

Exhibitors.—C. A. Baker, Leeton, Mo.; Cargill & McMillan, LaCrosse, Wis.; Cornish & Patten, Osborn, Mo.; Mrs. K. W. Cross, Emporia, Kans.; T. W. Carmichael, Odessa, Mo.; Samuel Drybread, Elk City, Kans.; W. A. Dalmeyer, Jefferson City, Mo.; J. J. Early, Baring, Mo.; J. A. Funkhouser, Esq., Plattsburg, Mo.; James A. Gibson, Odessa, Mo.; G. H. Hoxie, Thornton, Ill.; Dr. J. E. Logan, Kansas City, Mo.; J. S. Lancaster & Sons, Liberty, Mo.; Mousel Bros., Cambridge, Neb.; Norman Ochser, Madison, Neb.; Steward & Hutcheon, Bolckow, Mo.; Scott & March, Belton, Mo.; C. A. Stannard, Emporia, Kans.; Stanton Breeding Farm Co., Madison, Neb.; W. S. VanNatta & Son, Fowler, Ind.; Hugh Whitford, Guilford, Mo.; R. C. Wilson, Belton, Mo.; Yates Bros., Agency, Mo.; C. L. Browning, Laredo, Mo.; C. V. Hull, Platte City, Mo.; Kansas Agricultural College, Manhattan, Kans.
Judges: S. W. Anderson, Blaker Mills, W. Va.; W. B. Waddell, Lexington, Mo.; W. N. Rogers, McCook, Neb.

Aged bull, 7 entries—First to Stannard on Beau Mystic; second to Gibson on John Charming; third to Logan on Saint Grove 3d; fourth to Drybread on Judge Spencer; fifth to Whitford on Kenswick; sixth to Yates Bros. on Columbus 49th; seventh to Early on Sunny South.

Two-year-old bull, 7 entries—First to Cargill & McMillan on Privateer 2d; second to VanNatta & Son on Prime Lad 3d; third to Estate of Funkhouser on Onward 31st; fourth to Mousel Bros. on Princess Dictator; fifth to Ochser & Co. on Dictator; sixth to Cornish & Patten on Admiral Dewey; seventh to Gibson on Jake.

Senior yearling bull, 8 entries—First to Cargill & McMillan on Bonnie Brae 3d; second to VanNatta & Son on Prime Lad 9th; third to Hoxie on General Manager 2d; fourth to Logan on Young Beau Brummel; fifth to Cornish & Patten on Weston Anxiety; sixth to Willson on Red Bird; seventh to Cornish & Patten on General Gomez 49th; eighth to Dalmeyer on Masterpiece.

Junior yearling bull, 12 entries—First to Estate of Funkhouser on Onward 46th; second to Steward & Hutcheon on Parsifal; third to VanNatta & Son on Prime Lad 1th; fourth to Mousel Bros. on Lloyd's Bully Boy; fifth to Scott & March on Duke; sixth to Logan on Sir Sigma; seventh to Scott & March on Alberta; eighth to Drybread on Good Luck.

Senior bull calf, 12 entries—First to Hoxie on Peerless Perfection 10th; second to Cargill & McMillan on Fulfiller 2d; third to VanNatta & Son on Prime



Ivanhoe 92184, grand champion Berkshire boar at the American Royal of 1906. Owned by T. F. Guthrie, Saffordville, Kans.

were then taken up in a lot by themselves and fed a ration of Digester Tankage and corn, one part Digester Tankage to ten parts corn. They gained three pounds each per day, for the last 30 days.

Three Poland-China farrows exhibited by W. T. Williams, Harrisonville, Mo., were fed on Digester Tankage 60 days. For the first 30 days hogs were fed corn balanced with one-half pint Digester Tankage, three times per day. They gained 1 1/2 lbs. each per day. Second 30 days, they were fed a ration balanced with one pint Digester Tankage three times per day, and gained 3 1/2 lbs. each per day.

Geo. Kerr, of Sabetha, Kans., and Harry Sneed, of Smithton, Mo., both entered Duroc-Jerseys and gains made by them on ration balanced with Digester Tankage were equally as large as in the case of G. W. Davis & Son, and W. T. Williams.

The above actual figures certainly bear out the claims of Swift & Company that no feeder can afford to raise hogs without balancing his ration with Digester Tankage.

Live-Stock Awards.

SHORTHORNS.

Exhibitors.—Geo. Bothwell, Nettleton, Mo.; Bellows Bros., Maryville, Mo.; W. A. Betteridge, Pilot Grove, Mo.; C. E. Clarke, St. Cloud, Minn.; Creswell & Carpenter, Braymer, Mo.; Converse & Forbes, Maryville, Mo.; H. R. Clay, Plattsburg, Mo.; H. C. Duncan, Osborn, Mo.; Joseph Duncan, Osborn, Mo.; Guilford Dudley, Topka, Kans.; W. A. Forsythe, Greenwood, Mo.; N. H. Gentry, Sedalia, Mo.; A. F. Graves, King City, Mo.; H. M. Hill, Lafontaine, Kans.; H. J. Hughes, Trenton, Mo.; F. W. Harding, Waukesha, Wis.; D. R. Hanna, Ravenna, Ohio; Harriman Bros., Pilot Grove, Mo.; A. F. Huse, Manhattan, Kans.; C. E. Leonard & Son, Bunceton, Mo.; O. E. Morse & Sons, Mound City, Kans.; J. P. Newell, Carthage, Mo.; Purdy Bros., Harris, Mo.; J. R. Peck & Son, Winchester, Ill.; Jno. Reiger, Whitewater, Kans.; Abram Renick, Winchester, Ky.; J. F. Stodder, Burden, Kans.; Henry Stunkel, Peck, Kans.; T. K. Tomson & Sons, Dover, Kans.; Thomas, Jameson & Mitchell, Allen, Kans.; T. J. Wornall & Son, Liberty, Mo.; Chas. Wells & Son, Maryville, Mo.; W. T. Williams, Harrisonville, Mo.; L. R. Caldwell, Dover, Kans.; S. C. Hanna,

Senior bull calf, 23 entries—First to Harding on Anoka Sultan; second to Hanna on Diamond's Crown; third to Gentry on Choice Abbotsburn; fourth to Clarke on Choice Knight; fifth to Harriman Bros. on Mayflower Chief; sixth to Bellows Bros. on Hampton's Demonstrator; seventh to Betteridge on Orange Major; eighth to Gentry on Sidington Choice.

Junior bull calf, 18 entries—First to Bellows Bros. on Lord Hampton; second to Hanna on Diamond's Pride; third to Wells & Son on Roses Lad; fourth to Clarke on Knight Commander; fifth to Graves on Rose's Pride; sixth to Harding on Sultan Commander; seventh to Harding on Michael S.; eighth to Stodder on Standard Lavender.

Cow 3 years or over, 9 entries—First to Clarke on Welcome of Meadow Lawn; second to Hanna on Ballachragan Favorite; third to Harding on Lady Lovell 4th; fourth to Harding on Princess Flora 2d; fifth to Tomson & Sons on 3d Elder Lawn Victoria; sixth to Wornall & Son on Giosterina; seventh to Thomas, Jameson & Mitchell on Rose Victor; eighth to Newell on 7th Ravenswood Countess.

Cow or heifer 2 years and under 3, 11 entries—First to Harding on Anoka Broadhooks; second to Tomson & Sons on Chery Lass; third to Clarke on Dorothea fourth to Wornall & Son on Bashful Princess 2d; fifth to Newell on Sweet Briar Rose; sixth to Tomson & Sons on Thorny Bud; seventh to Clarke on Duchess of Lancaster; eighth to Thomas, Jameson & Mitchell on Countess Royal.

Senior yearling heifer, 12 entries—First to Purdy Bros. on Clara Belle; second to Purdy Bros. on Viscountess of Fairview; third to Thomas, Jameson & Mitchell on 47th Duchess of Gloster; fourth to Newell on 21st Ravenswood Countess; fifth to Clarke on Lady Myrtle 3d; sixth to Purdy Bros. on Fairview Orange Blossom 12th; seventh to Tomson & Sons on Lavina; eighth to Creswell & Carpenter on Lucy Jane 12th.

Junior yearling heifer, 15 entries—First to Harding on Missie of Browndale; second to Clarke on Alice of Meadow Lawn; third to Tomson & Sons on Grace; fourth to Harding on Fancy Lovell; fifth to Wornall & Son on Snow Queen; sixth to Tomson & Sons on 5th Elder Lawn Victoria; seventh to Purdy Bros. on Fairview Orange Blossom 13th; eighth to Thomas, Jameson & Mitchell on Lavender Bud 2d.

Senior heifer calf, 21 entries—First to Harding on Anoka Gloster 2d; second to Clarke on Lady Dorothea 3d; third to Bellows Bros. on Hampton's Tea Rose; fourth to Purdy Bros. on Monarch's Rose; fifth and sixth to Harding on Broadhooks Sultana and Claret; seventh to Renick on Poppy

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Lad 28th; fourth to Logan on Sunset King; fifth to Cargill & McMillan on Fulfiller 5th; sixth to VanNatta & Son on Prime Lad 25th; seventh to Gibson on Bright Dandy; eighth to Cornish & Patten on Anxiety Stamp 3d.

Junior bull calf, 8 entries—First to Estate of Funkhouser on Onward 5th; second to Steward & Hutcheon on Mapleton Hero; third to VanNatta & Son on Prime Lad 30th; fourth to Cargill & McMillan on Fulfiller 7th; fifth to Gibson on Mariner; sixth to Mousel Bros. on Alto Hesiod; seventh to Cornish & Patten on Admiral Weston; eighth to Cornish & Patten on Admiral Dewey.

Aged cow, 7 entries—First to Cargill & McMillan on Heliotrope; second to Cargill & McMillan on Twilight; third to Mousel Bros. on Mary Helmig; fourth to Early on Hesiod Maiden; fifth to VanNatta & Son on Rosalind; sixth to Estate of Funkhouser on Martha's Gem; seventh to Scott & March on Cambria 4th.

Cow or heifer 2 years or under 3, 7 entries—First to Cargill & McMillan on Miss Donald 17th; second to Cargill & McMillan on Miss Donald 21st; third to Estate of Funkhouser on Regina; fourth to Estate of Funkhouser on Bendena; fifth to Mousel Bros., on Princess Lassie; sixth to VanNatta & Son on Princess; seventh to Cargill & McMillan on Golden Lassie.

Senior yearling heifer, 9 entries—First to Cargill & McMillan on Ethel 2d; second to Estate of Funkhouser on Generva; third to Estate of Funkhouser on Mozette; fourth to Cargill & McMillan on Mignonette; fifth to Cargill & McMillan on Crocus 2d; sixth to Logan on Mercedes; seventh to Hoxie on Georgiana; eighth to Mrs. Cross on Twinkle.

Junior yearling heifer, 10 entries—First to VanNatta & Son on Prairie

ing; second to Cargill & McMillan on Bonnie; third to Gibson on Don. Sweepstakes grade steer or heifer—Hoxie on Peach.

ABERDEEN-ANGUS.

Exhibitors.—Omer Catterson, Maryville, Mo.; Berry Lucas, Hamilton, Mo.; W. A. McHenry, Denison, Iowa; J. E. Withers, Missouri City, Mo.; Parrish & Miller, Hudson, Kans.; F. L. Sullivan, Afton, Iowa; H. W. Elliott, Estill, Mo.; A. C. Binnie, Alta, Iowa; C. D. Hooker & Son, Maryville, Mo.; W. J. Miller, Newton, Iowa; Geo. Kitchen, Jr., Gowder, Mo.; P. J. Donohoe, Holbrook, Iowa; Davis Bros., Maryville, Mo.; Paul M. Culver, Edgerton, Mo.; McAdam Bros., Holton, Kans.; T. J. McCreary, Highland, Kans.; C. J. Off, Peoria, Ill.; McLachlan Bros. & Johnson, Estill, Mo.; W. B. Gex, Graham, Mo.; W. C. White, Carrollton, Mo.; Kansas State Agricultural College; G. H. Hoxie, Thornton, Ill.

Judge: Prof. C. F. Curtiss, Ames, Ia. Aged bull, 7 entries—First to Sullivan on Vala's Rosegay; second to Binnie on Jim Delaney; third to McHenry on Baden Lad; fourth to Withers on Erroline's Rosegay; fifth to Elliott on Luckiness; sixth to Catterson on Clansmen Chief; seventh to Lucas on Black Monarch of Illington.

Bull 2 years or over, 6 entries—First to Donohoe on Morning Star; second to Kitchen on Louis of Meadow Brook; third to Elliott on Primm; fourth to Hooker & Son on Blackbird Benton; fifth to Miller on McDonald's Lad; sixth to Parker Parrish & Miller on Key.

Senior yearling bull, 5 entries—First to Culver on Questor Lad; second to Kitchen on Melbert 2d; third to Withers on Bluegrass Ridge Ajax; fourth to Lucas on Maple Leaf 1 Am; fifth to Davis Bros. on Heather Eraste.

Junior yearling bull, 12 entries—First



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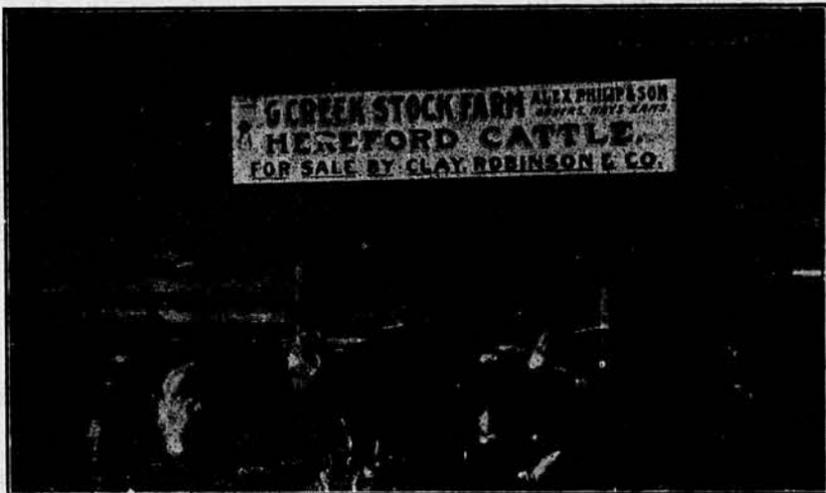


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Queen; second to Cargill & McMillan on Pricilla 3d; third to Estate of Funkhouser on Brydella; fourth to Logan on Lady Trixy; fifth to Hoxie on Miss Perfection; eighth to Mousel Bros. on Claud's Princess.

Senior heifer calf, 13 entries—First to Cargill & McMillan on Miss Filler 2d; second to VanNatta & Son on Margaret; third to Hoxie on Belle Perfection; fourth to Cargill & McMillan on Miss Filler 4th; fifth to Logan on Mary Gertrude; sixth to Mousel Bros. on Miss Princess 4th; seventh to Estate of Funkhouser on Garland; eighth to Estate of Funkhouser on Athens.

Junior heifer calf, 7 entries—First to Cargill & McMillan on Miss Filler 6th; second to Mousel Bros. on Princess Lady; third to Estate of Funkhouser on Mildred; fourth to VanNatta & Son on Lassie; fifth to Cargill & McMillan on Miss Filler 5th; sixth to Logan on Portia H.; seventh to Logan on Manzanita.

Senior sweepstakes bull 2 years or over—Cargill & McMillan on Privateer 2d.

Junior sweepstakes bull under 2 years—Cargill & McMillan on Bonnie Brae 3d.

Senior sweepstakes cow or heifer 2 years or over—Cargill & McMillan on Heliotrope.

Junior sweepstakes cow—Cargill & McMillan on Ethel 2d.

Grand champion bull—First to Cargill & McMillan on Bonnie Brae 3d.

Grand champion cow—Drovers Telegram Special—First to Cargill & McMillan on Heliotrope.

Aged herd, 4 entries—First to Cargill & McMillan; second to VanNatta & Son; third to Estate of Funkhouser; fourth to Mousel Bros.

PURE-BRED HEREFORDS, FAT STOCK.

Steer or heifer 2 years, 5 entries—First to Cargill & McMillan on Round-up; second to Estate of James A. Funkhouser on Bert; third to C. L. Browning on Peble 2d.

Steer or heifer 1 year, 8 entries—First to Cargill & McMillan on Fair Lad 1st; second to Estate of Funkhouser on Erskine; third to Estate of Funkhouser on Jay B.; fourth to Kansas State Agricultural College on Mer-ryman.

Steer or heifer calf, 3 entries—First to Cargill & McMillan on Fulfiller 6th; second to Mousel Bros. on Principal; third to James E. Logan on Royal Grove.

Sweepstakes fat steer—Cargill & McMillan on Fair Lad 1st.

GRADE HEREFORDS.

Steer or heifer 2 years, 7 entries—First to C. V. Hull on Mitchell; second to Yates Bros. on Sunny Jim; third to C. L. Browning on Goodenough.

Steer or heifer 1 year, 6 entries—First to G. H. Hoxie on Peach; second to Logan on Mary Jane; third to C. A. Stannard on Billy.

Steer or heifer calf, 5 entries—First to James A. Gibson on Billie Charm-

to Donohoe on Glenfold Thick Set; second to Culver on Royal Hyperion; third to Culver on Don of View Point; fourth to McHenry on Star of Denison; fifth to Binnie on Elmar Lad; sixth to Withers on Bluegrass Ridge Down; seventh to Miller on King Donald; eighth to Davis Bros. on Blackbird Mayor.

Senior bull calf, 12 entries—First to Off on Quaint Fellow; second to McHenry on Prince Pico; third to Sullivan on Beau Ito; fourth to Catterson on Maplehurst King; fifth to McLachlan Bros. & Johnson on Lord Roberts 3d; sixth to Parker Parrish & Miller on Envoy 3d; seventh to Kitchen on Intensified; eighth to Donohoe on Black Dale.

Junior bull calf, 7 entries—First to Withers on Dalgarno; second to McLachlan Bros. & Johnson on Sweetheart's Pride 2d; third to Binnie on Even Lad; fourth to Miller on Erica Prince M.; fifth to Hooker & Son on South Oak's Prime Lad; sixth to Gex on Booker T. 2d; seventh to Kitchen on Helmet A.

Cow 2 years or over, 9 entries—First to Binnie on Gusie of Kirkbridge; second to Miller on Snowflake 2d of Kirkbridge; third to McHenry on Glenfold Rose; fourth to Donohoe on Blackbird Favorite 2d; fifth to Miller on Metz Ogarita; sixth to Parker Parrish & Miller on Rutger Mina 2d; seventh to Kitchen on Mina of Alta 3d; eighth to Parker Parrish & Miller on Sunflower Happy 3d.

Cow 2 years or over, 9 entries—First to Donohoe on Elleen Lass; second to Kitchen on Driftwood Rose; third to Binnie on Mina of Alta 5th; fourth to McHenry on Barbara McHenry 18th; fifth to Donohoe on Pride of Clover Leaf; sixth to Withers on Grapewood Odessa; seventh to Parker Parrish & Miller on Sunflower Happy 4th; eighth to Miller on Metz Ogarita 2d.

Senior yearling heifer, 11 entries—First to McHenry on Pride McHenry 45th; second to Binnie on Blackbird Lassie of Alta; third to same of Coquette Lass of Alta; fourth to Donohoe on Black Martha; fifth to Miller on Queen of Cherokee 10th; sixth to McHenry on Abess McHenry 6th; seventh to Kitchen on Beulah Brown; eighth to Sullivan on Fay Ito.

Junior yearling heifer, 10 entries—First to Donohoe on Brookside Pride 4th; second to Sullivan on Eolian; third to Off on Ethel Day; fourth to Catterson on Queen of Maplehurst 4th; fifth to Withers on Bluegrass Ridge Dorcas; sixth to Catterson on Maplehurst Queen 27th; seventh to Parker Parrish & Miller on Sunflower Happy Ito; eighth to Miller on Metz Modesty.

Senior heifer calf, 14 entries—First to Binnie on Emma Lassie 2d; second to McHenry on Pride McHenry 53d; third to Donohoe on Brookside Rose 2d; fourth to same on Brookside Pride 5th; fifth to Binnie on Coquette Lass of Alta 2d; sixth to Catterson on Maplehurst Coquette 4th; seventh to Mc-

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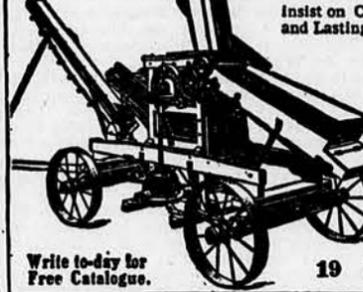


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Henry on Abess McHenry 7th; eighth to Croft & Son on Erica Pride 2d.

Junior heifer calf, 17 entries—First to Binnie on Queen Lass of Alta 3d; second to McHenry on Blackbird McHenry 6th; third to Catterson on Queen of Maplehurst 6th; fourth to Binnie on Proud Lassie of Alta; fifth to Miller on Metz Heather Bloom; sixth to same on Snowflake's Queen; seventh to Catterson on Maplehurst Queen; eighth to Hooker & Son on Queen on South Oaks 2d.

Senior sweepstakes bull 2 years or over, 2 entries—Sullivan on Vala's Rosegay.

Junior sweepstakes bull under 2 years, 2 entries—Donohoe on Glenfold Thick Set 2d.

Senior sweepstakes cow or heifer 2 years or over—Binnie on Eileen Lass.

Junior sweepstakes heifer under 2 years, 4 entries—Donohoe on Brookside Pride 4th.

Best bull any age, 2 entries—Sullivan on Vala's Rosegay.

Best cow any age—Donohoe on Eileen Lass.

Aged herd, 6 entries—First to Binnie; second to Donohoe; third to McHenry; fourth to Withers.

Young herd, 6 entries—First to Donohoe; second to Binnie; third to McHenry; fourth to Catterson.

Calf herd, 5 entries—First to Binnie; second to Catterson; third to McHenry; fourth to Hooker & Son.

Four animals of either sex, the get of one sire, 7 entries—First to Binnie; second to Donohoe; third to Catterson; fourth to Miller.

PURE-BRED ABERDEEN-ANGUS, FAT STOCK.

Steer or heifer 1 year and under 2, 4 entries—First to C. J. Off on Proud Fellow; second to C. D. Hooker & Son on South Oaks Chance; third to W. J. Metz on Metz Prince; fourth to Metz on Highball.

Steer or heifer under 1 year, 5 entries—First to Kansas State Agricultural College on Ideal; second to Off on Edison; third to Davis Bros. on Valley Home 3d; fourth to Off on Dudley.

Sweepstakes steer or heifer any age, 3 entries—Miller on Dutch Lad.

GRADE ANGUS.

Steer or heifer 2 years and under 3, 5 entries—First to Miller on Louis; second to Hoxie on Exchange; third to Kansas State Agricultural College on Kansas Laddie; fourth to Miller on Wild Tom.

Steer or heifer 1 year, 4 entries—First to Miller on Black Prince; second to same on Black Victor; third to Hooker & Son on South Oaks Eber.

Steer or heifer under 1 year, 3 entries—First to Miller on Victor (spayed heifer); second to Hooker & Son on South Oaks Josie; third to Miller on Novice.

Steer or heifer under 3 years, 3 entries—Miller on Dutch Lad.

ABERDEEN-ANGUS SPECIAL.

Charles Dixon Commission Company, best steer, pure-bred or grade, any age—Miller on Black Prince.

GALLOWAYS.

Exhibitors.—W. M. Brown & Son, Carrollton, Mo.; G. W. Lindsey, Red Cloud, Neb.; S. M. Croft & Sons, Bluff City, Kans.; A. F. Craymer, Morris, Ill.; F. P. Wild, Cowgill, Mo.; A. M. Thompson, Nashua, Mo.; F. E. Moore & Son, Gardner, Kans.; Michigan Premium Stock Co., Davisburg, Mich.; J. E. Bales & Son, Stockport, Iowa; C. E. Clarke, St. Cloud, Minn.; O. E. Mattson, Burrton, Kans.; W. C. Woods, Smithville, Mo.; W. B. & J. B. Thompson, Smithville, Mo.; Claude Attebury, Atlanta, Mo.

Judge: O. H. Swigart, White Heath, Illinois.

Aged bull, 8 entries—First to Lindsey on Pat Ryan of Red Cloud; second to Brown & Son on Chief 2d of Stepford; third to Craymer on Scottish Sampson; fourth to Croft & Sons on Randolph 2d of Thornhill; fifth to Wild on Wild's McDougal; sixth to Moore on Highland Chief; seventh to Michigan Premium Stock Company on Watchman; eighth to Day on Staley of Nashua.

Bull 2 years and under 3, 4 entries—First to Brown & Son on Pridis Druid; second to Thompson on Missouri Chief; third to Watson on Nugget of Tarbreach; fourth to Michigan Premium Stock Company on Repeater.

One-year-old bull, 15 entries—First to Clarke on Prince of Meadow Lawn; second to Brown & Son on Forbes; third to Lindsey on Ned of Red Cloud; fourth to Claude Attebury on Osceola; fifth to Thompson on Thompson's Quality; sixth to Watson on Folk.

Bull calf, 11 entries—First to Clarke on Meadow Lawn Medallist; second to Clarke on Victor of Meadow Lawn; third to Brown & Son on Fetch; fourth to Croft & Sons on Randolph C. 2d; fifth to Bales & Son on Dorothea's Prince; sixth to Craymer on Grandee of Rivers.

Cow 3 years or over, 10 entries—First to Lindsey on Favorite 16th of Loch-en-Kit; second to Bales & Son on Graceful 3d of Garliestown; third to Brown & Son on Acushla; fourth to Michigan Premium Stock Co. on Princess 3d of Troquahain; fifth to Wild on Lady Grace 3d; sixth to Croft & Sons on Miss Bridget.

Cow or heifer 2 years and under 3, 7 entries—First to Brown & Son on Myrtle of Evandale; second to Lindsey on Lady Charlotte; third to Clarke on Soncy of Meadow Lawn; fourth to Croft & Sons on Randolph Pride; fifth to Bales & Son on Annie David's 5th; sixth to Michigan Premium Stock Company on Ella of Hope.

Senior yearling heifer, 6 entries—First to Clarke on Cora of Meadow Lawn; second to Brown & Son on Eg-lantine; third to Bales & Son on Princess McDougal; fourth to Croft & Sons on Blackie of Greenbush; fifth to Craymer on Standard Pet; sixth to Lindsey on Mollie C. of Red Cloud.

Junior yearling heifer, 8 entries—First to Clarke on Sadie of Meadow Lawn; second to Clarke on Beauty of Meadow Lawn; third to Bales & Son on Hawkeye Lady; fourth to Croft & Sons on Midget of Greenbush; fifth to Brown & Son on Dainty 3d; sixth to Craymer on Mischief of Rivers.

Senior heifer calf, 11 entries—First to Clarke on Lady Belle 4th; second to Wild on Grace 3d of Wildwood; third

to Brown & Son on Fidilla; fourth to Croft & Sons on Viola of Greenbush; fifth to Croft & Sons on Trixie 2d; sixth to Bales & Son on Lady Ruth.

Junior heifer calf, 10 entries—First to Clarke on Lady Douglas 3d; second to Bales & Son on Lady Graceful; third to Clarke on Floss 2d; fourth to Lindsey on Lady Elgin; fifth to Brown & Son on Dainty 4th; sixth to Bales & Son on Princess Graceful.

Senior champion bull—First to Lindsey on Pat Ryan of Red Cloud.

Junior champion bull—First to Clarke on Meadow Lawn of Medallist.

Senior champion female—Brown & Son on Myrtle of Avondale.

Junior champion female—Clarke on Lady Douglas 3d.

Aged herd, 5 entries—First to Lindsey; second to Brown & Son; third to Bales & Son; fourth to Croft & Sons; fifth to Craymer.

Breeder's young herd, 6 entries—First to Clarke; second to Brown & Son; third to Bales & Son; fourth to Croft & Sons; fifth to Lindsey; sixth to Craymer.

Grand champion bull—Lindsey on Pat Ryan of Red Cloud.

Grand champion cow—Drovers Telegram Special—Brown & Son on Myrtle of Avondale.

GALLOWAYS, FAT STOCK.

Best grade steer or heifer over 18 months—Lindsey on Gray Rambler.

Best grade steer or heifer under 18 months, 2 entries—First to Wild on Bluster; second to Brown & Son on Tom.

Charles Dixon Commission Company special—grand champion steer—Wild on Bluster.

SHIRES.

Exhibitors.—Pioneer Stud Farm, Rushnell, Ill.; Robt. Burgess & Son, Wenona, Ill.; A. G. Soderberg, Osco, Ill.

Judges: Prof. C. F. Curtiss, Ames, Ia.; R. B. Ogilvie, Chicago, Ill.; Prof. W. J. Kennedy, Ames, Ia.; Peter Hopley, Lewis, Ia.

Aged stallion, 8 entries—First to Pioneer Stud Farm on Holker Collin; second to Burgess & Son on Bank Nil Desperandum; third to Pioneer Stud Farm on Lead's Lion; fourth to Burgess & Son on Blaze of Worsley 3d.

Stallion 3 years and over, 4 entries—First to Pioneer Stud Farm on Mydelands Champion; second to same on Menominee; third to same on Heckington Bay Thumper; fourth to Burgess & Son on Henington Prime Minister.

Stallion 2 years and under 3, 4 entries—First to Burgess & Son on Lynn Jumbo 2d; second to Pioneer Stud Farm on Ponders Bridge; third to same on Toneyham Troxton; fourth to same on Toneyham Biscot.

Stallion 1 year and over—First to Burgess & Son on King's Draymen; second to Soderberg on Noble King.

Grand champion stallion—Burgess & Son on Lynn Lumbo 2d.

Grand champion mare—Pioneer Stud Farm on Deeping Juliet.

American Shire Horse Association Special—Best American-bred mare—Soderberg on Osco Rose.

American Shire Horse Association Special—Best imported mare—Pioneer Stud Farm on Deeping Juliet.

American Shire Horse Association Special—Best American-bred stallion any age—Soderberg on Noble King.

CLYDESDALES.

Exhibitors.—A. G. Soderberg, Osco, Ill.; McLaughlin Bros., Kansas City, Mo.; Alexander Galbraith, Janesville, Wis.

Judges: Prof. C. F. Curtiss, Ames, Ia.; R. B. Ogilvie, Chicago, Ill.; Prof. W. J. Kennedy, Ames, Ia.; Peter Hopley, Lewis, Ia.

Aged stallion, 2 entries—First to Soderberg on Clan Stewart; second to same on Buroris Hope.

Stallion 3 years and over, 5 entries—First to Soderberg on Ethelbert; second to Soderberg on Tartan; third to Galbraith on Baron Downe; fourth to Soderberg on Milton.

Stallion 2 years and under 3, 3 entries—First to Galbraith on Baron Clifton; second to Soderberg on Black Douglas; third to Soderberg on Black Acme.

Champion stallion—Soderberg on Ethelbert.

Grand champion mare—Galbraith on Flossie.

PERCHERONS.

Exhibitors.—McLaughlin Bros., Kansas City, Mo.; Robt. Burgess & Son, Wenona, Ill.; J. W. & J. C. Robison, Towanda, Kans.; C. Spohr, Wellington, Kans.; J. Crouch & Son, Lafayette, Ind.; H. A. Briggs, Elkhorn, Wis.

Judges: Prof. C. F. Curtiss, Ames, Ia.; R. B. Ogilvie, Chicago, Ill.; Prof. W. J. Kennedy, Ames, Ia.; Peter Hopley, Lewis, Ia.

Aged stallion, 6 entries—First to McLaughlin Bros. on Etradergant; second to Crouch & Son on Zola; third to McLaughlin Bros. on Faisan; fourth to Crouch & Son on Techamel.

Stallion 3 years and under 4, 9 entries—First to McLaughlin Bros. on Valseur; second to McLaughlin Bros. on Minot; third to Crouch & Son on Champagne; fourth to Crouch & Son on Tyron.

Stallion 2 years and under 3, 10 entries—First to McLaughlin Bros. on Comique; second to McLaughlin Bros. on Dragon; third to Crouch & Son on Englantier; fourth to Burgess & Son on Artiste.

Champion stallion any age—McLaughlin Bros. on Etradergant; Percheron Register Co. Special to same.

Champion group of five Percherons any age or sex—McLaughlin Bros.

Aged mare, 7 entries—First to J. W. & J. C. Robison on Deborah; second to same on Limestone B.; third to same on Gale; fourth to same on Cora B.

Mare 3 years and under 4, 3 entries—First to J. W. & J. C. Robison on Martha; second to same on Casinette; third to same on Albertina.

Mare 2 years and under 3, 2 entries—First to J. W. & J. C. Robison on Ruberta; second to same on Blanche.

Mare 1 year and under 2, 1 entry—First to J. W. & J. C. Robison on Ruth.

Mare under 1 year, 1 entry—First to J. W. & J. C. Robison on Baroness.

Champion mare any age—J. W. & J. C. Robison on Ruberta.

Four animals any age, get of one sire, 3 entries—First to McLaughlin



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Percheron Registry Co. special for aged stallion, 3 entries—First to McLaughlin Bros. on Etrageant; second to McLaughlin Bros. on Falsan.

Percheron Registry Co. special for 3-year-old stallion, 3 entries—First to McLaughlin Bros. on Valseu; second to McLaughlin Bros. on Minot.

Percheron Registry Co. special for stallions 2 years, 5 entries—First to McLaughlin Bros. on Comique; second to McLaughlin Bros. on Dragon.

Percheron Registry Co. special, four animals, get of one sire, 2 entries—First to McLaughlin Bros. on get of Avise.

Percheron Registry Co. special, 1 entry—Burgess & Son on Roget.

BELGIANS.

Exhibitors.—McLaughlin Bros., Kansas City, Mo.; Robt. Burgess & Son, Wenona, Ill.; J. Crouch & Son, Lafayette, Ind.; H. A. Briggs, Elkhorn, Ind. Judges: Prof. C. F. Curtiss, Ames, Ia.; R. B. Ogilvie, Chicago, Ill.; Prof. W. J. Kennedy, Ames, Ia.; Peter Hopley, Lewis, Ia.

Special—Aged stallion by American Association of Importers and Breeders of Belgians—First to Crouch & Son on Mon Sauhait; second to Briggs on Mouton de Lelling; third to Crouch & Son on Cupidor de Lelz; fourth to Crouch & Son on Carnot; fifth to Burgess & Son on Garibaldi de Bel Air.

Belgian special 3-year-old stallion, 7 entries—First to Crouch & Son on Charon; second to Burgess & Son on Birm-

tries.—First to McLaughlin Bros. on Dactyle; second to same on Docile.

Stallion two years and under three.—McLaughlin Bros. on Ecajuel.

Two animals any age, produce of one dam.—McLaughlin Bros. on produce of Fosette.

Four animals any age, get of one sire.—McLaughlin Bros. on get of Morodum.

Grand champion stallion.—McLaughlin Bros. on Chandernagor.

French coach special, offered by French Coach Registry Co., best group stallions five under four years.—McLaughlin Bros.

Best group five aged stallions.—McLaughlin Bros.

HACKNEYS.

Exhibitors.—Truman's Pioneer Stud Farm, Bushnell, Ill.; Robt. Burgess & Son, Wenona, Ill.; Alexander Galbraith, Janesville, Wis.

Judges: Prof. C. F. Curtiss, Ames, Iowa; R. B. Ogilvie, Chicago, Ill.; Prof. W. J. Kennedy, Ames, Iowa; Peter Hopley, Lewis, Iowa.

Stallions four years or over, 5 entries.—First to Truman's Pioneer Stud Farm on Prickwillow Cannaght; second to Burgess & Son on Coker's Excelsior; third to Truman's Pioneer Stud Farm on Wood Baweet; fourth to Galbraith on Tandango, IV.

Stallions three years and under, 4 entries.—First to Truman's Pioneer Stud Farm on Dashing King; second to Galbraith on Ruby Radiant; third to Truman's Pioneer Stud Farm on Blaisdon Clifton; fourth to Burgess & Son on Repeater 827.

Grand Champion to Truman's Pioneer Stud Farm on Prickwillow Cannaght.

Draft horse in harness.—Pair horses weighing over 3500 lbs. to wagon.—First to Swift & Co.; second to Armour & Co.; third to Swift & Co.

Draft horses in harness, pair of horses weighing 3,000 to 3,500 pounds, to wagon, three teams shown.—First to Armour & Co.; second to Swift & Co.; third to Swift & Co.

BERKSHIRES.

Exhibitors.—Etzler & Moses, Decatur, Ind.; Everson & Sons, Wellington, Ohio; Hood Farm, Lowell, Mass.; E. D. King, Burlington, Kans.; A. D. Gilmore, Asylum, Neb.; T. F. Guthrie, Saffordville, Kans.; W. R. Holt, Falls City, Neb.; D. V. Flint, Cabool, Mo.; W. H. Peak, Silbey, Mo.; James Qurollo, Independence, Mo.; I. L. Weirick, Cowden, Ill.; C. G. Nash, Eskridge, Kans.; David G. Page, Topeka, Kans.; J. H. Blodgett, Pleasant Hill, Mo.; J. F. Bayer, Yates Center, Kans.; Jones & McGinnis, Enon, Mo.; Sam Spellman, Sturgeon, Mo.

Judge: T. A. Harris, Lamine, Mo.

Aged boar—First to Spellman; second to Hood Farm; third to Everson & Sons.

Boar 18 and under 24 months—First and second to Hood Farm.

Boar 12 and under 18 months—First to Guthrie; second to Weirick; third to Qurollo.

Boar 6 and under 12 months—First to Guthrie; second to Council; third to Hood Farm.

Boar under 6 months—First to Flint; second to Everson & Sons; third to Hood Farm.

Aged sow—First to Nash; second to Hood Farm; third to Everson & Sons.

Sow 18 and under 24 months—First and second to Hood Farm; third to Holt.

Sow 12 and under 18 months—First to Everson & Sons; second and third to Weirick.

Sow 6 and under 12 months—First and second to Hood Farm; third to Everson & Sons.

Sow under 6 months—First to Jones & McGinnis; second to Flint; third to Everson & Sons.

Champion boar 1 year or over—Guthrie. Reserved champion—Hood Farm.

Champion boar under 1 year—Flint. Reserved champion—Guthrie.

Champion sow 1 year or over—Everson & Sons. Reserved champion—Hood Farm.

Champion sow under 1 year—Hood Farm. Reserved champion—Jones & McGinnis.

Grand champion boar—Guthrie. Reserved champion—Flint.

Grand champion sow—Hood Farm. Reserved grand champion—Everson & Sons.

Get of sire—First to Everson & Sons; second to Hood Farm.

Produce of dam—First and second to Hood Farm.

Boar and three sows over 1 year—First to Hood Farm; second to Everson & Sons.

Boar and three sows under 1 year—First to Hood Farm; second to Everson & Sons.

Breeder's herd—First to Everson & Sons; second to Hood Farm.

POLAND-CHINAS.

Exhibitors.—W. T. Hammond, Portis, Kans.; John M. Belcher, Raymore, Mo.; Wm. Wingate, Trenton, Mo.; W. T. Williams, Harrisonville, Mo.; J. S. Lancaster & Son, Liberty, Mo.; Harry E. Lunt, Burden, Kans.; J. H. Saville & Son, Mt. Airy, Iowa; Thos. B. Link, Mt. Airy, Iowa; Cresswell & Carpenter, Braymer, Mo.; Ira A. Merritt, Keller, Iowa; B. P. Smith, Miltonvale, Kans.; F. A. Tripp & Son, Meriden, Kans.; B. F. Ishmael, Laredo, Mo.; Joseph Schmidt & Son Wymore, Neb.; G. M. Hoadley, Sedalia, Mo.; W. S. Ison, Butler, Mo.; M. L. Lentz, Atherton, Mo.; G. M. Hoadley, Sedalia, Mo.

Judge: D. F. Risk, Weston, Mo.

Boar 2 years or over—First to Hammond; second to Schmidt; third to Pedrick & Son.

Boar 18 and under 24 months—First to Wm. Wingate.

Boar 12 and under 18 months—First to Lunt; second to Belcher; third to Ison.

Boar 6 and under 12 months—First to Lentz; second to Hoadley.

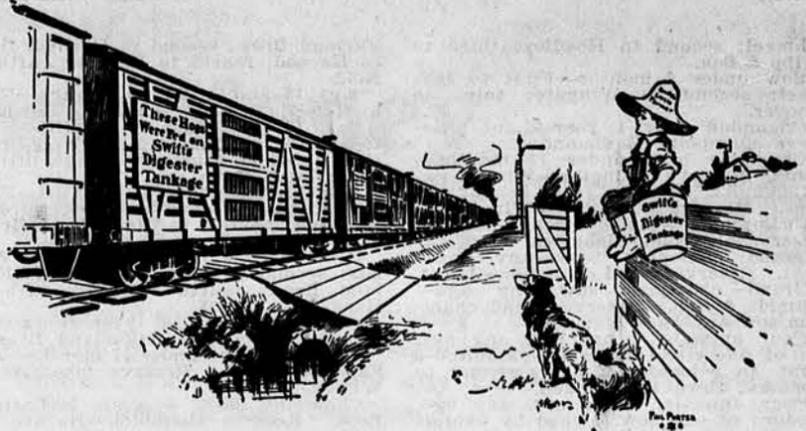
Boar under 6 months—First to Wingate; second to Tripp & Son; third to Hoadley.

Sow 2 years or over—First to Schmidt & Son; second to same; third to Merritt.

Sow 18 and under 24 months—First to Hunt; second to Cresswell & Carpenter.

Sow 12 and under 18 months—First to Wingate; second to Lunt; third to Schmidt & Son.

Sow 6 and under 12 months—First to



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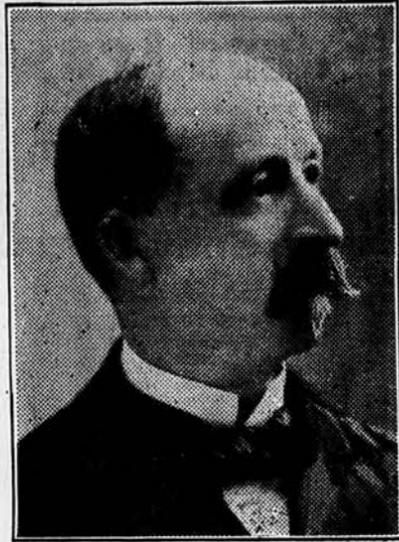
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Colon Cameron, of Lochiel, Arizona, the newly elected president of the American Hereford Breeders' Association.

ingham; third to Briggs on Senaphin d' Al' Vaux; fourth to Burgess & Son on Bruno Aitchard; fifth to Briggs on Champagn de Berthelm.

Aged stallion, 8 entries—First to Crouch & Son on Mon Sauhait; second to Briggs on Mouton de Lelling.

Three-year-old Belgians, 7 entries—First to Crouch & Son on Charon; second to Burgess & Son on Birmingham.

Two-year-old stallion, 5 shown—First to Burgess & Son on Fami; second to Crouch & Son on Vampire d' Alvaux; third to Burgess & Son on Fili; fourth to Crouch & Son on Nelson; fifth to Briggs on Bembacheur de Nolchat.

Champion stallion any age—Gold medal to Crouch & Son on Sauhait; reserved champion to Crouch & Son on Charon.

Champion group, 5 stallions, 3 entries—Gold medal to Crouch & Son; reserved ribbon to Burgess & Son.

Percheron Society Specials. (Animals competing may be owned by members of the Percheron Society of America and recorded in the Percheron Stud-book of America.)

Best American-bred stallion—Burgess & Son on Roget. Reserve to J. W. & J. C. Robison on Ragoleur.

Best five stallions—Briggs. Reserve to Burgess & Son.

Best three mares—J. W. & J. C. Robison. Reserve to same.

Best American-bred mare—J. W. & J. C. Robison on Ruberta. Reserve to same on Deborah.

Champion mare—J. W. & J. C. Robison on Ruberta. Reserve to same on Deborah.

Champion stallion—J. W. & J. C. Robison on Casino. Reserve to Crouch & Son on Buckingham.

GERMAN COACHES.

Exhibitors.—J. Crouch & Son, Lafayette, Ind. Judges: Prof. C. F. Curtiss, Ames, Iowa; R. B. Ogilvie, Chicago, Ill.; Prof. W. J. Kennedy, Ames, Iowa; Peter Hopley, Lewis, Iowa.

Aged stallion, 4 entries—First to Crouch & Son on Mohn; second to same on Izello; third to same on Helois; fourth to same on Orkus.

Stallion three years and under four, 5 entries.—First to Crouch & Son on Fridolin; second to same on Lubben's Admiral; third to same on Petro; fourth to same on Dettef.

Stallion two years under three—First to Crouch & Son on Rebus; second to same on Urias.

FRENCH COACHES.

Exhibitors.—McLaughlin Bros., Kansas City, Mo. Judges: Prof. C. F. Curtiss, Ames, Iowa; R. B. Ogilvie, Chicago, Ill.; Prof. W. J. Kennedy, Ames, Iowa; Peter Hopley, Lewis, Iowa.

Aged stallions, 3 entries.—First to McLaughlin Bros. on Chandernagor; second to McLaughlin Bros. on Crasville; third to same of Casse Tete.

Stallion three years and under, 4 en-

Farmer's Account Book and Five Year Diary of Events. An Indispensable Book. Providing for a record of exact information about every item of transaction or event on the farm for 5 years. It is divided into two divisions, Diary in one and accounts in the other. In the Diary there is space for five years. Here it shows you the occupation of the day; here are any special incidents that you wish to remember the date of. The Account part is indexed (read indexes) handy arrangement we think. Hired help. This is for your labor account; shows the name of the one hired, time worked, wages paid, how paid, etc. Expense; shows all the outlay for such items as Groceries, Labor, Clothing, etc. You can tell when you paid your Insurance, Taxes, how much they were; in fact, this department will show to a penny what it costs you to run the farm and also what you get for every cent of it. Live-stock account has a double ruling, sales and purchases for each kind of stock being side by side, and as this is to be for five years it makes an interesting comparison. Then over here you have a history of each deal that you make. Grain and fruit are ruled and printed in the same way, also space for sales on butter and milk or cream, eggs or poultry, in fact there is space for everything raised on a farm and all you have to do is to make the figures. It certainly is an easy matter to have your affairs in shape if you have a system like this. The inventory sheets are short but businesslike, you fill in under the proper headings the value of the different kinds of stock, grain, tools, bugles, wagons, etc., and the total is of course, the amount of your resources; then under this other heading you fill in anything you happen to owe on these things, and the difference is your actual worth. This is left in the book and the next year you do the same thing and the difference is your profit for the year. Bound in Leather and Cloth, or heavy board cover, and delivered to your express office, including a year's subscription to THE KANSAS FARMER, and THE HELPFUL HEN. Leather and Cloth \$2.50; Heavy Board \$2.00. Address The Kansas Farmer Co. Topeka, Kansas

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Ishmael; second to Hoadley; third to Tripp & Son.
 Sow under 6 months—First to Ishmael; second to Wingate; third to Hoover.
 Champion boar 1 year—Lunt. Reserve champion—Hammond.
 Champion boar under 12 months—Lentz. Reserve champion—Wingate.
 Champion sow 1 year—Schmidt & Sons. Reserve champion—Wingate.
 Champion sow under 1 year—Ishmael. Reserve champion—Ishmael.
 Grand champion boar any age—Lunt. Reserve grand champion—Lentz. Grand champion sow any age—Schmidt & Son. Reserve grand champion sow any age—Ishmael.
 Four animals, either sex, any age, get of one sire, owned by exhibitor—First to Schmidt & Son; second to Hoadley; third to Ishmael.
 Four animals, either sex, any age, produce of one sow, owned by exhibitor—First to Hoadley; second to Ishmael; third to Hammond.
 Boar and three sows over 1 year—First to Lunt; second to Hammond.
 Boar and three sows under 1 year—First to Lunt; second to Hammond; third to Lunt.
 Boar and three sows any age, bred by exhibitor—First to Hoadley; second to Hammond; third to Lunt.
DUROC-JERSEYS.
 Exhibitors.—McFarland Bros., Sedalia, Mo.; F. L. Bowman, Hamilton, Mo.; Geo. Kerr, Sabetha, Kans.; W. E. Brown & Sons, Cambridge, Kans.; B. W. Harned, Beaman, Mo.; H. H. Hague, Newton, Kans.; Michael Bros., Houstonia, Mo.; W. G. Unltt, Seward, Neb.; State University, Columbia, Mo.; Fagin, Brown- ing, Hess & McCabe, Ripley, Ill.; Harry Sneed, Smithton, Mo.; Clarence Beavers, Home City, Kans.; L. C. Wollen, Stanberry, Mo.; W. W. Wilcox, Nevada, Mo.; M. W. Greer & Son, Rushville, Ill.;

Farland Bros.; second to Harned; third to Reid.
 Sow 18 and under 24 months—First to McFarland Bros.; second to Bowman.
 Sow 12 and under 18 months—First to Harned; second to McFarland Bros.; third to same; fourth to Staadt; fifth to McFarland Bros.
 Sow 6 and under 12 months—First to Ferguson; second to same; third to Bowman; fourth to McFarland Bros.; fifth to Kerr.
 Sow under 6 months—First to Wilcox; second to same; third to McFarland Bros.; fourth to Kerr; fifth to Harned.
 Champion boar 1 year—Ferguson. Reserve champion—McFarland Bros.
 Champion boar under 12 months—McFarland Bros. Reserve champion—Wilcox.
 Champion sow 1 year—McFarland Bros. Reserve champion—Harned.
 Champion sow under 12 months—Ferguson. Reserve champion—Wilcox.
 Grand champion boar any age—Ferguson. Reserve champion—McFarland Bros.
 Four animals either sex or age, get of one sire—First to Harned; second to McFarland Bros.
 Four animals any age, either sex, produce of one dam—First to Ferguson; second to Wilcox.
 Boar and 3 sows over 1 year—First to McFarland Bros.; second to Harned.
 Boar and 3 sows under 12 months—First to Wilcox; second to McFarland Bros.
 Boar and 3 sows any age, bred by exhibitor—First to McFarland Bros.; second to Harned.
OHIO IMPROVED CHESTER WHITES.
 Exhibitors.—Dr. O. L. Kerr, Independence, Mo.; J. J. Hall, Graham, Mo.;

serve grand champion boar—Porter. Grand champion sow—Kerr. Reserve grand champion sow—Same.
 Get of one sire—First and second to Kerr; third to Porter.
 Produce of dam—First and second to Kerr; third to Porter.
 Boar and 3 sows over 1 year—First to Kerr.
 Boar and 3 sows under 1 year—First and second to Kerr; third to Porter.
 Boar and 3 sows any age, bred by exhibitor—First to Kerr; second to Sackman; third to Porter.
MULES.
 Exhibitors.—Blackburn & Jones, Warrensburg, Mo.; Chas. Newby, Plattsburg, Mo.; Robt. Gaynes, Camden Point, Mo.; J. G. Arbuthnot, Haworth, Kans.; W. B. Emison, Wellington, Mo.; W. H. & J. W. Adams; James Elan; Lewis Jersey.
 Aged mule, 8 entries—First to Blackburn & Jones; second to same; third to Newby.
 Mule 3 years and under 4, 7 entries—First to Blackburn & Jones; second to Gaynes; third to Arbuthnot.
 Mule 2 years and under 3, 6 entries—First to Newby; second to Emison; third to same.
 Mule 1 year and under 2—First to W. H. & J. W. Adams; second to Elan; third to Blackburn & Jones.
 Mule colt—First to Jersey; second to Blackburn & Jones; third to same.
 Grand champion mule—Blackburn & Jones.
 Pair aged mules—First and second to Blackburn & Jones; third to Newby.
 Pair mules 3 years and under 4—First to Gaynes; second to Arbuthnot; third to Blackburn & Jones.
 Pair mules 2 years and under 3—First to Emison; second to Newby; third to Blackburn & Jones.
 Sweepstakes pair of mules—Blackburn & Jones.
ANGORA GOATS.
 Exhibitors.—R. C. Johnston, Lawrence, Kans.; N. A. Gwin, Lawrence, Kans.; J. W. Troutman & Sons, Comiskey, Kans.; The Northern Angora and Live Stock Co., Helena, Mont.
 Buck 2 years and over—First to Johnston; second to Troutman & Sons; third to The Northern Angora and Live Stock Co.
 Buck 1 year and under 2—First to Gwin; second to Johnston; third to Troutman & Sons.
 Buck kid—First to Troutman & Sons; second to Gwin; third to Johnston.
 Doe 2 years and over—First to Gwin; second to Troutman & Sons.
 Doe 1 year and under 2—First to Johnston; second to Troutman & Sons; third to Gwin.
 Doe kid—First to Gwin; second to Johnston; third to Troutman & Sons.
 Sweepstakes buck—Johnston.
 Sweepstakes doe—Johnston.
 Flock exhibit, 1 buck, 2 does, and 2 kids—First to Gwin; second to Johnston; third to Troutman & Sons.

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Black Beauty 60685, owned by C. A. Lewis, Beatrice, Nebraska, and winner of first in her class at Nebraska State Fair, 1906.

Chas. M. Morris, Harrisonville, Mo.; C. Folgate, Stanberry, Mo.; R. W. Murphy, Dearborn, Mo.; G. V. Bush, Marshall, Mo.; W. L. Addy, Parnell, Mo.; Powell & Rudy, Smithton, Mo.; C. E. Pratt, Frankfort, Kans.; J. W. Reid, Portis, Kans.; J. F. Staadt, Ottawa, Kans.; O. N. Wilson, Silver Lake, Kans.; Watts & Dunlap, Martin City, Mo.; Dr. W. J. Ferguson, Sedalia, Mo.; J. W. Carnagey; Missouri Agricultural College, Columbia, Mo.
 Judge: Geo. W. Price, Oskaloosa, Ia.
 Boar 2 years or over—First to Ferguson; second to McFarland Bros.; third to Missouri Agricultural College; fourth to Harned; fifth to Michael Bros.
 Boar 18 and under 24 months—First to Carnagey.
 Boar 12 and under 18 months—First to McFarland Bros.; second to Bush; third to Sneed; fourth to McFarland Bros.; fifth to Harned.
 Boar 6 and under 12 months—First to McFarland Bros.; second to Wilcox; third to Sneed; fourth to Powell & Rudy; fifth to Bush.
 Boar under 6 months—First to Wilcox; second to Wilcox; third to Bowman; fourth to Bush; fifth to Watts & Dunlap.
 Sow 2 years or over—First to Mc-

W. B. Porter, Cameron, Mo.; P. K. Cor- der, Raymore, Mo.; L. L. Frost, Mira- ble, Mo.; G. W. Sackman, Mirabile, Mo. Judge: B. J. Hargan, Glencoe, Okla.
 Boar 18 and under 24 months—First to Porter.
 Boar 12 and under 18 months—First to Frost; second to Porter; third to Kerr.
 Boar 6 and under 12 months—First, second, and third to Kerr.
 Boar under 6 months—First to Kerr; second to Porter; third to Sackman.
 Sow 2 years or over—First to Sack- man; second to Frost.
 Sow 18 and under 24 months—First and second to Kerr.
 Sow 12 and under 18 months—First to Kerr.
 Sow 6 and under 12 months—First and third to Kerr; second to Porter.
 Sow under 6 months—First and second to Kerr; third to Frost.
 Champion boar 1 year or over—Por- ter. Reserve champion—Frost.
 Champion boar under 12 months—Kerr. Reserve champion—Same.
 Champion sow 1 year or over—Kerr. Reserve champion—Same.
 Champion sow under 12 months—Kerr. Reserve champion—Same.
 Grand champion boar—Kerr. Re-

AMERICAN ROYAL SALES.
The Shorthorn Sale.
 The crowd at the Shorthorn sale at the fine stock pavilion was a very large one, and the seats were crowded. Buyers came here from many differ- ent States, but they seemed to be look- ing for bargains. While the sale was a good one and the prices fairly satis- factory, the average was not up to that made at the sale last year. Had it not been for three calves which sold separate from their dams, the general average would have been at least \$10 higher.
 The auctioneers in charge of this sale were Cols. R. L. Harriman, Bunceton, Mo., R. E. Edmonson, Kansas City, Mo., and J. W. Sparks, Marshall, Mo. The sales were as follows:
COWS.
 Collynie Maid, John McCoy, Sa- betha, Kas. \$135
 Heifer calf from Collynie Maid, J. F. Stodder, Burden, Kas. 95
 Orange Butterfly, J. F. Stodder, 185
 Nonpareil 47th, R. E. Moffitt, Vin- tonsburg, Mo. 165
 Rosewood 87th, W. A. Betteridge, Pilot Grove, Mo. 200
 Orange Minna 3d, J. W. Hudberg, Herndon, Kas. 100
 Myra and bull calf, J. W. Fergu- son, Harrisonville, Mo. 115
 Gaster's Rose, Jno. O'Kane, Wis- ner, Neb. 300
 Little Gem, F. O. Lowden, Oregon, Ill. 110
 Sweet Orange, F. O. Lowden, 130
 Lady Charmer 4th, E. E. Booker, Beloit, Kas. 180
 2d Norwood Jennie Lind and heifer calf, E. E. Booker, 180
 Orange Blossom 34th, J. P. Newell, Carthage, Mo. 300
 Thorny Bud, D. R. Hanna, Raven- na, Ohio 325
 Lady Gloster, N. F. Shaw, Plain- ville, Kas. 100
 Bull calf from Lady Gloster, E. G. Erskine, Edgerton, Kas. 110
 Baroness Viscount, Fry Bros., Falls City, Neb. 150
 Mary Challenger 20th, Bellows Bros., Maryville, Mo. 150
 Poppy 99th and heifer calf, N. F. Shaw, Plainville, Kas. 130
 Sweet Rose, Bellows Bros. 110
 Orange Beauty, W. A. Betteridge, 170
 Minnie 37th, J. F. Stodder 130
 Sub for 31, Nellie of Ellerslie, W. T. Williams, Harrisonville, Mo. 150
 Meadow Ridge Victoria and heifer calf, A. W. Ferguson 225
 Glenfoyle Duchess Gloster, Dr. Giv- ens, Fayette, Mo. 180
 Sub for 35—Miss Josie B 2d and bull calf, Meal Bros., Cawker City, Kas. 185
 Orange Queen, J. Frank Prather, Williamsville, Ill. 275
 Lavender Rose 6th, Lott Bros., Pawnee City, Neb. 160
 Wildeyes Winsome 11th, T. J. Wor- nall, Liberty, Mo. 200
 American Girl and calf, F. W. Harding, Waukesha, Wis. 140
 Lavina, Bellows Bros. 350
 Golden Hue, Bellows Bros. 200
 Lucy Jane 12th, Henry Stunkle, Peck, Kas. 160
 Princess 2d, Will Reece, Pilger, Neb. 210
 Sycamore Matchless, S. C. Hanna, Howard, Kas. 170
 Heifer calf from Sycamore Match- less, S. C. Hanna 100
 Pro. Barmpton Bates 2d, F. M. Gil- ford, Wakefield, Kas. 110

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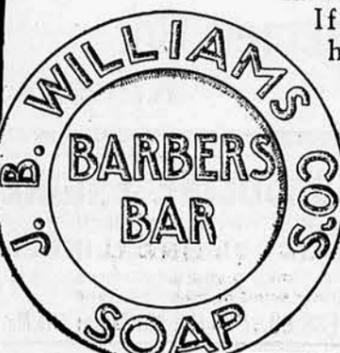
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Orange Blossom 33d, F. M. Gilford,	165
Penelope 5th, E. E. Booker	105
BULLS.	
Mayflower Chief 264248, Henry	450
Stunkle	270
Lavender's Choice 264806, Geo. B.	200
Ross, Alden, Kas.	235
Royal Sharon 224185, J. L. Hearne,	325
Kansas City	250
Aconites Count 264845, McClean &	300
Elliott, Warrensburg, Mo.	200
Nonpareil Stamp 188487, W. R.	130
Mansfield, Wisner, Neb.	150
Scottish Mist 258871, J. F. Green	225
& Co., Gregory, Tex.	70
Orange Major 264704, Morse &	330
Sons, Mound City, Kas.	200
Silver Knight 206653, N. F. Shaw,	105
Plainville, Kas.	80
Royal Dick 266145, J. F. Green &	65
Co.	100
Lord Filbert 223307, J. W. Leeper,	90
Auburn, Neb.	
(Sub) Select Goods 224462, F. P.	
Good, Beloit, Kas.	
Waterloo Victor 244061, H. M. Hill,	
LaFontaine, Kas.	
Victor Brawith 2d 264803, C. C.	
Trostal, Nickerson, Kas.	
Orange Boy 254620, A. Sloan, Wells-	
ville, Kas.	
Inaugurate 244625, R. M. Buck,	
Esckridge, Kas.	
Victor Barmpton 3d 262551, G. W.	
Hudiberg	
Comrade 262552, Geo. Gallatin,	
Triplett, Mo.	
Robin Adair 266315, Mark Bunker,	
Greenfield, Mo.	
Sarah's Crown 245024, W. D. Adams	
Boonville, Mo.	
SUMMARY.	
19 bulls brought	\$3,775.00
Average	198.69
39 cows brought	6,655.00
Average	173.20
58 head brought	10,430.00
Average	179.50

The Hereford Sale.

The American Royal Hereford sale was a success. Forty-seven head were disposed of at an average of \$192.66, which is the highest average made by any breed at the Royal this year. The top of the sale was brought by Onward 31st 187476, a two-year-old Funkhouser-bred bull, who went to O. Harris, of Harris, Mo., for \$575. The highest-priced cow was Miss Donald 21st, 184577, bred by O. Harris, and sold by Cargill and McMillan to E. R. Morgan, of Blue Rapids, Kansas, for \$330. The Wyoming Hereford Association of Cheyenne, Wyo., bought 13 head for \$2,790, and were the heaviest buyers of the sale.

Cols. J. W. Sparks of Marshall, Mo., L. R. Brady, Manhattan, Kansas, and R. E. Edmonson, Kansas City, Mo., did the work in the box and made the sale a success.

The sales were as follows:

BULLS.	
Duke 230674, Wyoming Hereford	\$215
Association, Cheyenne, Wyo.	
Beau President Jr. 244711, J. D. Sal-	275
yer, Jonah, Tex.	
Lincoln 32, 244741, John Gosling,	235
Kansas City, Mo.	
Reuben 244923, Wyoming Hereford	225
Association	
Beaunilla 210723, M. B. Packard,	190
Phoenix, Ariz.	
Levi 224025, Wyoming Hereford	140
Association	
Truworth 217196, Wyoming Here-	250
ford Association	
Sub. for 13—Fulfiller 7th 230512, E.	240
Miller, Alfred, Tex.	
Simpson 199217, Jones Bros, Comis-	300
key, Kas.	
Proud Beau 233050, F. F. Scidmore,	125
Tescott, Kas.	
Masterpiece 202642, Wyoming Here-	175
ford Association	
Alberta 230657, Wyoming	270
Dictator 244606, Wyoming	245
Sir Sigma 207191, Wyoming	200
Leslie 221969, Wyoming	125
Onward 31st 187476, O. Harris, Har-	575
ris, Mo.	
Auditor 244902, John Gosling	310
Redbird 201555, M. B. Packard	405
Good Luck 214585, Wyoming	165
Eric 234422, Wyoming	295
Princes 11th 218360, Wyoming	260
Chancellor 226512, G. I. Wooddall,	130
Fall River, Kas.	
Progressor 2d 228626, Ed. Harrison,	140
Piedmont, Kas.	
Fulfiller 5th 230510, M. B. Packard,	230
Beau Dale 207413, Wyoming	225
COWS.	
Sylvia 235609, William Risk, Lusk,	85
Wyo.	
Mercedes 195448, C. W. Armour,	155
Kansas City, Mo.	
Hilda 196978, W. W. Wheeler, Har-	100
lan, Iowa	
Byrdella 209616, E. R. Morgan, Blue	195
Rapids, Kas.	
Gertie 199347, F. W. McCutcheon,	115
Pilot Grove, Mo.	
Mabelle 20th 244713, Morris Cook,	135
Stewart, Ill.	
Prairie Lady 200649, W. W. Wheel-	145
er	
Sapphire and heifer calf 143612, C.	125
C. Lillie & Son, Piedmont, Kas.	
Miss Donald 21st 184577, E. R. Mor-	330
gan	
Coral Queen 189224, F. F. Scid-	105
more	
Celestia 182393 and heifer calf, Lil-	135
le & Son	
Cambria 4th 179396, W. H. John-	140
son, Frankfort, Kas.	
Eva 225990, William Risk	95
Duchess Pride 193126, J. A. Evans,	105
Granger, Mo.	
Picotte 205280, M. B. Packard	130
Nadina 196984, W. W. Wheeler	100
Saucy Girl 244924, Roberts & O'-	110
Brien, Lancaster, Mo.	
Twinkle (Twin) 203534, Steele	200
Bros., Richland, Kas.	
Laurinda 190794, Mousel Bros.,	185
Cambridge, Neb.	
Lupin 189230, Roberts & O'Brien,	100
Lancaster, Mo.	
Ruby 202643, Wm. Risk	150
Queen 199348, J. Sample, Luray,	120
Mo.	
25 bulls brought \$5,995, average	\$239.80
22 cows brought 3,060, average	139.09
47 head brought 9,055, average	192.66

The Galloway Sale.

Forty-nine Galloways were included in the Royal sale this year and it was considered successful by the visitors and buyers, some of whom

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That means a greater flow of saliva in the animal's mouth, a greater flow of all the juices and fluids in the digestive organs.

Hence the animal digests its feed more easily, more quickly and more thoroughly.

It gets more good from every pound of grain and hay it eats, and less of the ration is wasted by passing through the animal undigested

But that is not all. The tonic properties of Standard Stock Food quicken the circulation, aid in assimilation, tone up the entire digestive system, and produce that healthy, vigorous condition which means greater thrift in animals and bigger profits for you.

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That's why it costs you less to use Standard Stock Food than to use any other.

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Simply compare the feeding directions on packages of various makes and you can see this for yourself.

It costs you less per animal, per month, than any other.

We want you to try Standard Stock Food, not because we want to make a single sale to you, but because we know that if you give it a fair test you will become an enthusiastic, permanent customer.

More than 400,000 farmers and feeders have proved that "It Makes Stock Thrive."

We will sell it to you on a square deal, money-back guaranty—your money back if it does not do all we claim it will do.

You run no risk in trying it, and its use means bigger profits to you.



STANDARD STOCK FOOD
"IT MAKES STOCK THRIVE"

GO TO YOUR DEALER

and ask him to supply you. If he cannot, do not take a substitute but send to us direct.

We will ship immediately and protect you with our square-deal, money-back guaranty.

FREE TO YOU.

Our big stock book, "The Standard Feeder," 160 pages, 200 illustrations, 12 chapters on the feeding, care and handling of all kinds of live stock. Regular price 50 cents, and you could not buy its equal at several times the price. But free to you if you give us the name of your dealer and tell us how much stock you keep.

Standard Stock Food Co., 1517 Howard St., Omaha, Neb.

thought the quality was not up to the usual standard. The top price of the sale was brought by Caleb Miller 15863, who was consigned by A. M. Thompson, of Nashua, Mo., and bought by B. W. Spicer, Smithville, Mo., for \$335. The sale was as follows:

COWS.	
Substitute for 28—J. T. Fletcher,	\$195
Boulder, Colo.	
Heifer calf from substitute for 28	200
—W. M. Brown & Sons, Carroll-	
ton, Mo.	
Substitute for 24—Croft & Son,	150
Bluff City, Kas.	
Ophelin of Nashua 26053—H. I.	65
Clevenger, Holden, Mo.	
Nannie M. of Nashua—J. A. Man-	50
tee, Mound City, Kas.	
Margaret Ingels 24496 16979, and	80
bull calf—Chris Rasmus, Bunce-	
ton, Mo.	
Frontie of Nashua 16052, and bull	115
calf—Chris Rasmus	
Annie Davids 2d 19459—F. E. Moore	80
& Sons, Gardner, Kas.	
Scottish Rosalind 22724, and bull	170
calf, J. F. Spangler, Ness City,	
Kas.	
Empress Edith 26864, Chris Ras-	65
mus	
Alba 2d 23986, J. R. Tunnell,	50
Brownell, Kas.	
Highland Mary 7th 13298, J. W. Al-	110
lison, Girard, Kas.	
Lady Belle 23710, J. W. Allison	70
Naomi 2d 23989, and calf, Frank	65
Halblieb, Wauneta, Kas.	
Miss Midget 23802, and heifer calf,	150
J. W. Allison	
Eunice 3d 27089, J. R. Tunnell	65
Esther J. 23984, J. R. Tunnell	80
Lunita of Nashua 24508, and bull	85
calf, Chris Rasmus	
Thompson's Choice 24509, J. F.	90
Spangler	
Rosenfield of Nashua 24504, J. F.	80
Spangler	
Princess McDougall 27120, J. R.	80
Tunnell	
Hannah of Atlanta 13739, and heifer	95
calf, J. R. Tunnell	
Miss Corber of Nashua 16041, and	75
bull calf, Frank Halblieb	
Lady McGillie 3d 27167, J. R. Tun-	50
nell	
BULLS.	
Jumbo of Wildwood 27298, E. L.	

Davis, Davisburg, Mich.	\$95
Admiral Togo 2d 27748, J. H. Lew-	60
is, Bogard, Mo.	
Just Right of Nashua 26062, F. S.	65
Haun, Jetmore, Kas.	
Man Friday 28751, James Potter,	85
Pittsburg, Kas.	
Repeater 24290, Frank Barke,	60
Pratt, Kas.	
Oosaoola 29027, A. Blankin, Ed-	65
mund, Kas.	
Col. Judy 26518, J. F. Spangler	50
Caleb Miller 15863, G. W. Spicer,	335
Smithville, Mo.	
Thompson's Quality 26055, E. A.	70
Walmquist, Clay Center, Kas.	
Stately of Nashua 19977, J. W. Al-	75
lison	
Diamond Joe 29020, Chris Rasmus,	100
Folk 27254, J. W. Evans, Lamar,	75
Mo.	
Bonnie MacDougall 23812, A. F.	135
Craymer, Morris, Ill.	
Free Gold 28474, Robt. Dey, New-	80
ton, Kas.	
Missouri Chief 26056, A. M. Dun-	70
ham, Garden City, Mo.	
Rudolph 2d of Thornhill 19302,	260
F. P. Wild, Cowgill, Mo.	
Forbes 26897, Judge Morrison, Milo,	260
Mo.	
Conrad 28254, C. T. Snow, Atlanta,	65
Mo.	
Wild's McDougall 24673, J. E. Bales	260
& Son, Stockport, Ia.	
Jack of Wildwood 27160, Chas.	110
Glasgow, Oliphant, Kas.	
Watchman 23711, GeGo. Bale, Ack-	75
erland, Kas.	
Royal Chief 27747, A. B. Conklin,	55
Edmund, Kas.	
Prince Meadow Lawn 26843, Brook-	150
side Farm Co., Fort Wayne, Ind.	
Randolph C. 2d 28952, B. A. Pack-	75
ard, Phoenix, Ariz.	
Beauty's Prince 27259, J. F. Span-	45
gler	
SUMMARY.	
25 bulls brought \$2,755; av.	\$110.00
24 cows brought 2,315; av.	96.45
49 head brought 5,085; av.	103.87

The Angus Sale.

It fell to the lot of the Angus breed to appear first in the series of American Royal sales, and while the crowd in attendance was large, the sale was not successful in bringing the prices

at which the animals should have been valued. The top price of the sale was brought by Metz Ogarita 60992, a 4-year-old cow consigned by W. J. Miller, Newton, Iowa, and sold to McDonald & Bently, Princeton, Mo., for \$200. Black Knight of Highland 5th 83843, was the highest priced bull and was taken by M. A. Judy, Beecher, Ill., for \$160.

The sale was opened with speeches by Col. R. L. Harriman, Mr. W. C. McGavock, the sale manager, and Judge J. S. Goodwin, Chicago, president of the Angus Association.

The sale was conducted by Col. R. L. Harriman, Bunceton, Mo., and Harry W. Graham, Chillicothe, Mo., who did excellent work. The sales were as follows:

BULLS.	
Black Knight of Highland 5th	\$160
83943 to M. A. Judy, Beecher, Ill.	
King McCreary 4th 88866, to J. P.	80
Adams, Quincy, Ill.	
Maplehurst King 9th 80976, to M.	75
A. Judy	
Don of View Point 87190, to A. C.	120
Binnie, Alta, Iowa	
Helmet A 88092, to M. A. Judy	90
Elaine's Prince 89210, to Chas.	50
Simpson, Davenport, Ia.	
Maple Leaf I Am 81345, to M. A.	75
Judy	
Pride's Albion Model 94869, to Geo.	45
Langford, Lexington, Mo.	
Dexter 93919, to S. A. Linton, Avon-	75
lon, Mo.	
COWS.	
Maplechurch Coquette 4th 94861, to	120
W. J. Miller, Newton, Ia.	
Maplechurch Queen 6th 53916, to	105
H. C. Brentley, Princeton, Mo.	
Maplechurch Queen 30th 94865, to	150
McDonald & Brentley, Princeton,	
Mo.	
Queen of View Point, 92110, to H.	150
C. Brentley	
Fivy Belle 31690, to Paul M. Culver,	90
Edgerton, Kas.	
Sunflower Hope 2d 36201, to C. S.	55
Pugsley, Bogard, Mo.	
Caroline W. 93223, to C. S. Pugsley.	55
Metz Ogarita 60992, to McDonald &	200
Brentley	
Maple Leaf Ino 81348, to H. C.	150
Brentley	
Pride's Mollie 80353, to Jno W.	

Kerr, King City, Mo. 75
 Pride's Albia 78047, to C. S. Pugs-
 ley 40
 Goldsmith Maid 38994, with bull
 calf, to L. S. Miller, Dighton, Kas. 80

THE SUMMARY.
 9 bulls brought \$ 770, average \$ 85.55
 12 cows brought 1,270, average 105.85
 21 head brought 2,040, average 97.15

The Duroc-Jersey Sale.
 The Duroc-Jerseys appeared in the sale-ring on Thursday afternoon and were met by the largest crowd that attended any of the series of hog sales. The top of the sale was brought by Long Wonder, owned by W. J. Unitt, of Seward, Neb., who went to J. A. Staadt, Ottawa, Kans., for \$150. The top of the sow sale was brought by a gilt contributed by W. W. Wilcox and sold to C. A. Wright, Rosendale, Mo., for \$97.50. The average of the sale was \$47.80, which was gratifying alike to sellers and visitors. The sale was conducted by Col. A. C. Callahan. The sales were as follows:

1. Marshall Bros., Burden, Kans.	\$50.00
2. R. M. Cowhan, Mt. Ida, Kans.	35.00
3. J. F. Stodder, Burden, Kans.	70.00
4. J. H. Mosby, Mosby, Mo.	48.00
5. E. A. Horton, Weston, Mo.	67.50
6. H. G. Meyers, Hardy, Neb.	45.00
7. J. E. McHenry, Coln, Iowa.	25.00
8. Ralph Harris, Buck Creek, Kans.	47.50
9. H. W. Steinmeyer, Holland, Kans.	67.50
10. C. A. Wright, Rosendale, Mo.	97.50
11. W. J. Wiley, Scholten, Mo.	57.50
12. G. D. Sheway, Trimble, Mo.	55.00
13. Marshall Bros., Burden, Kans.	65.00
14. W. O. Rule & Sons, Ottawa, Kans.	47.50
15. J. E. Johns, Clyde, Kans.	25.00
16. R. M. Cowhan.	25.00
17. R. E. Mather, Centralia, Kans.	22.00
18. E. Sturdy, Bradford, Kans.	50.00
19. V. C. Brown, Bonita, Kans.	22.50
20. R. B. Marshall, Willard, Kans.	30.00
21. J. E. Fuller, Garnett, Kans.	22.00
22. W. C. Whitney, Agra, Kans.	40.00
23. J. A. Niblo, Milan, Mo.	20.00
24. J. A. Niblo.	25.00
25. Jas. Williams, Dodson, Mo.	17.00
26. F. L. Bowman, Hamilton, Mo.	137.50
27. R. H. Cowhan.	35.00
28. W. C. Stiles, Pilot Grove, Mo.	50.00
29. O. N. Wilson, Silver Lake, Kans.	80.00
30. R. H. Cowhan.	40.00
31. B. F. Porter, Mayfield, Kans.	52.50
34. R. W. Murphy, Dearborn, Mo.	35.00
35. T. J. Wooddall, Fall River, Kans.	31.00
36. J. A. Niblo.	35.00
37. Samuel Drybread.	87.50
38. E. H. Erickson, Olsburg, Kans.	31.00
39. R. H. Cowhan.	32.00
40. Maupin & Applegate, Shelbina, Mo.	37.50
41. G. W. Underwood, Valley Center, Kans.	36.00
42. J. F. Staadt, Ottawa, Kans.	150.00
43. W. Wheeler, Harlan, Ia.	40.00
44. J. M. Neill, St. John, Kans.	40.00
45. M. B. Sawyer, Cherryvale, Kans.	45.00
46. (Substitute) S. Walker & Son, Sharon, Kans.	37.00
47. J. H. McVicker, Creighton, Mo.	35.00
48. Maupin & Applegate.	90.00
49. R. B. Marshall.	40.00
50. W. C. Whitby, Agra, Kans.	38.00
51. W. Wheeler.	41.00

The Poland-China Sale.
 The Poland-China sale did not start out as briskly as was hoped by reason of the raw, chilly weather which seemed to make the crowd uncomfortable. It did not take Coll. Lafa Burger long, however, to warm them up, and then the bidding became spirited. The swine listed in the catalogue were sold rapidly and at good prices and still the crowd seemed hog hungry. F. A. Tripp, of Meriden, Kans., who had already topped the sale on a boar pig, brought out two sows that were not catalogued and announced that he would sell them if the crowd would give his price. This they proceeded to do at once. The general average for the entire sale was \$40, which was very satisfactory considering the inclement weather and the fact that the sale was made immediately after awarding prizes. The sales were as follows:

1. C. W. Dingman, Clay Center, Kans.	\$37.50
2. W. M. Williams, Harrisonville, Mo.	87.50
3. Guy Harrison, St. John, Kans.	30.00
4. C. W. Gilmore, Cameron, Mo.	27.00
5. D. E. Crutcher, Drexel, Mo.	25.00
6. C. W. Gilmore.	30.00
7. Creswell & Carpenter, Braymer, Mo.	75.00
8. Dick Hays, Bazaar, Kans.	31.00
9. A. L. Drummond, Norton, Kans.	33.00
10. John E. Sullivan, Effingham, Kans.	18.00
11. A. G. Gilmore, Asylum, Neb.	46.00
12. J. F. Harper, Wheeling, Mo.	21.00
13. Not sold.	
14. G. W. Gilmore.	27.00
15. A. L. Drummond.	19.00
16. W. A. Dalmeyer, Jefferson City, Mo.	20.00
17. Corbin & Hilton, Merwin, Mo.	27.00
18. A. L. Drummond.	31.00
19. W. M. Jacobs, Reading, Kans.	45.00
20. Dick Hays.	22.00
21. F. L. Netzert, Knob Noster, Mo.	30.00
22. J. W. Thompson, Holt, Mo.	25.00
23. Wm. McFarland, Chase, Neb.	44.00
24. H. E. Woodward, Tulsa, Okla.	15.00
25. Forrest Davis, Bronaugh, Mo.	21.00
26. Ira A. Merritt, Kellerton, Iowa.	22.00
27. Dick Hays.	28.00
28. A. L. Drummond.	25.00
29. Ira A. Merritt.	11.00
30. John E. Sullivan.	39.00
31. Not sold.	
32. C. A. Lewis, Beatrice, Neb.	297.50
33. M. B. Hall, Bellaire, Kans.	29.00
34. A. L. Drummond.	67.00
35. Chas. Hoffman, Perry, Kans.	42.00
36. G. W. Stone, Garfield, Kans.	26.00
37. Dick Hays.	29.00
38. W. H. White, Kansas City, Mo.	23.00

The Berkshire Sale.
 Although the Berkshires in the American Royal sale were not all in show condition, the sale was a satisfactory one and the average price was \$46.50. The crowd was large and under the skillful management of Col. Lafa Burger, Wellington, Kans., the bidding was spirited. The top price of the sale was brought by Lee Duke 1st, by Premier Longfellow consigned by G. G. Counsel, Vandalla, Ill., and sold to Hood Farm, Lowell, Mass., for \$161. Mr. T. F. Guthrie, who won the grand Championship on his boar, Ivanhoe, bought Premier Duchess 4th, a gilt consigned by W. S. Corsa, Whitehall, Ill., for \$120 and topped the sow sale. The sales were:

1. D. W. Marr, Liberty, Mo.	\$25
2. James Price, La Belle, Mo.	29
3. W. S. Corsa, Whitehall, Ill.	67.50
4. A. A. Jacobs, Neosho Rapids.	19
5. L. K. Hall, Harrisonville, Mo.	13
6. A. D. Gilmore.	51
7. Joe Snyder, Alma, Neb.	50
8. A. C. Miller, Marian.	15
9. R. M. Cowhan.	15
10. Hood Farm, Lowell, Mass.	19
11. M. L. Bishop, Clarksville, Mo.	50
12. R. B. Swift, Chicago.	50
13. G. W. Leeper, Princeton, Kas.	25
14. W. S. Corsa.	77.50
15. W. S. Corsa.	40
16. Eckels & Kerr, Green City, Mo.	51
17. F. T. Allen, Stanburg, Mo.	51
18. R. M. Cowan.	21
19. E. E. Peel, DeKalb, Mo.	20
20. Jas. Snyder, Alma, Neb.	32
21. T. M. Guthrie.	40
22. Jones & McGuire, Enor, Mo.	80
23. W. C. Halcliff, Cherryvale, Kas.	24
24. S. L. Hardy, Rockwell, Mo.	21
25. C. G. Nash, Eskridge, Kas.	39
26. Ralph Creighton, Creighton, Mo.	115
27. J. T. Tribble, Raymore.	11
28. A. J. Morgan, Lathrop, Mo.	20
29. W. E. Bradford, Columbia, Mo.	23
30. D. M. Groves, Almena, Kas.	26
31. F. A. Euing, Saxton, Mo.	14
32. Wm. Schaefer, Fontana, Kas.	75
33. A. A. Jacobs.	26
34. James Price.	50
35. A. J. Morgan.	50
36. W. S. Corsa.	60
37. Joe Snyder, Alma, Neb.	61
38. Hood Farm.	161
39. C. G. Nash.	26
40. W. W. Major, Kearney, Mo.	12

Sedgwick County Fair.
 The Sedgwick County Fair, which was held at Wichita, Kansas, Oct. 15 to 20, opened Monday morning with gloomy weather which lasted until Thursday morning. Thursday was the first successful day of the fair on account of the rain. The large attendance the latter part of the week made up in part for the failure of the first part of the week.

Great credit is due the fair association for preparing for this fair in such a short time, as they had not decided to hold a fair until about ninety days before it opened. The grounds were laid out and the buildings built after this date. This is the first agricultural fair that has been held in Sedgwick County for several years. The horticultural display was certainly a credit to the county, while the liberal premiums attracted a goodly number of live stock breeders.

The agricultural implement exhibit was large and varied, being made by local companies of Wichita as well as manufacturing concerns from other States. Wonderland Park was opened and run in connection with the fair, giving the visitors an opportunity to enjoy the free attractions of the park as well as those of the fair grounds.

The Right Way to Grow Hogs

Pigs have sometimes been called "mortgage lifters," and really it seems they deserve the title. What other animal from a beginning of only two pounds can grow to 1,000 pounds weight? And bear in mind statistics prove that it costs less food to grow a pound of pork than either beef or mutton. Do you know why? It is because of the large digestive capacity of the hog.

It is certain that all growth and milk production is in proportion to the amount of food digested and assimilated. The right way to grow hogs, therefore, is to take proper account not only of the feed, but the digestive system.

DR HESS STOCK FOOD

The prescription of Dr. Hess (M.D., D.V.S.) was intended for this purpose in particular. It takes charge of the digestive organs, compelling them to do their proper work.

Horses, cattle, cows, hogs and sheep are all dependent upon the digestion for every pound of growth and every ounce of milk. The cost of Dr. Hess Stock Food is paid back many times over, therefore, no stockman or dairyman can afford to be without it. Besides hastening maturity, Dr. Hess Stock Food cures and prevents disease.

Dr. Hess Stock Food owes its origin to the medical and veterinary colleges from which Dr. Hess graduated. Such medical authorities as Professor Winslow, Professor Finlay Dun, Professor Qulman and all the leading scientists recommend bitter tonics for improving digestion, iron for blood and tissue building, nitrates of soda and potassium for assisting nature in expelling poisonous material from the system. These ingredients and many others make up Dr. Hess Stock Food, and it is sold on a written guarantee.

100 lbs. \$5.00. 25 lb. pail \$1.60 Except in Canada and extreme smaller quantities at a slight advance West and South

Where Dr. Hess Stock Food differs in particular is in the dose—it's small and fed but twice a day, which proves it has the most digestive strength to the pound. Our Government recognizes Dr. Hess Stock Food as a medicinal tonic, and this paper is back of the guarantee.

FREE from the 1st to the 10th of Each Month—Dr. Hess (M.D., D.V.S.) will prescribe for your ailing animals. You can have his 96-page Veterinary Book any time for the asking. Mention this paper.

DR. HESS & CLARK, Ashland, Ohio
 Also manufacturers of Dr. Hess Poultry Pan-a-ce-a and Instant Louse Killer.
INSTANT LOUSE KILLER KILLS LICE.

The live stock awards were as follows:

SHORTHORNS.

Exhibitors—Henry Stunkle, Peck, Kas.; John Regier, Newton, Kas.; J. F. Stodder, Burden, Kas.; B. Levering. Aged Bulls—First to Henry Stunkle; second to John Regier. Bulls, 2 and under 3—First to Henry Stunkle; second to J. F. Stodder. Bulls, 1 and under 2—First to Henry Stunkle; second to B. Levering. Bull Calves—First to John Regier; second to Henry Stunkle. Aged Cow—First and second to J. F. Stodder. Cow, 2 and under 3—First to J. F. Stodder. Cow, 1 and under 2—First to Henry Stunkle; second to John Regier. Heifer Calves—First and second to J. F. Stodder. Champion Bull—First to Henry Stunkle. Champion Cow—First to Henry Stunkle. Exhibitor's Herd—First to J. F. Stodder. Breeders young herd—First to B. Levering. Produce of cow—First to B. Levering. Get of one sire—First to J. F. Stodder; second to Henry Stunkle. Croft & Son were the only exhibitors of Galloway cattle, receiving all the prizes for which they competed. C. F. Stone, of Peabody, Kans., exhibited a very fine herd of Holsteins in the dairy class.

ABERDEEN-ANGUS.

Parish & Miller were the only exhibitors of cattle in this class, carrying off all the prizes for which they competed.

PERCHERON HORSES.

Exhibitors—Burgess, Roseberry & Coons, Wenona, Ill. and Wichita, Kans.; J. W. & J. C. Robison, Towanda, Kans. Aged stallion, 8 entries—First to Burgess, Roseberry & Coons on Cardiff; second to Robison on Vigilant. Stallion 3 and under 4, 6 entries—First and second to Burgess, Roseberry & Coons. Stallion over 2 and under 3, 4 entries—First to J. W. & J. C. Robison on Raglour; second to Burgess, Roseberry & Coons on Anoreaux. J. W. & J. C. Robison were the only exhibitors of Percheron mares, having a fine show in this class. Two animals, produce of one mare—To J. W. & J. C. Robison, the only exhibitors in this class. The best five stallions were shown by Burgess, Roseberry & Coons; this was said to be the best exhibit of stallions ever shown in the State of Kansas by one firm. Burgess, Roseberry & Coons were the only exhibitors of Belgians and Hackneys, having a fine display of horses in these classes. They were awarded all the prizes, for which they competed.

POLAND-CHINAS.

Exhibitors—H. O. Sheldon, Wichita, Kans.; A. O. Wright, Valley Center, Kans. Aged boar—First to Sheldon on Columbia's Chief; second to Wright on Beautiful Sunshine. Boar 18 months and under 24—First to Wright on Dandy Rex. Boar 12 months and under 18—First to Sheldon on U. S. Columbia. Boar 6 months and under 12—First to Wright on Evertrue. Boar under 6 months—First and second to Wright. Aged sow—First to Wright on Anna Darko. Sow 18 months and under 24—First to Wright on Corrector Grl. Sow 12 months and under 18—First to Wright on Luminary. Sow 6 months and under 12—First and second to Wright. Sow under 6 months—First and second to Wright.

POLAND-CHINA CHAMPIONS.

Best boar over 1 year—First to Sheldon. Best boar under 1 year—First to Wright on Evertrue.

Best sow over 1 year—First to Wright on Luminary. Best sow under 1 year—First to Wright on Bonny Bell.

DUROC-JERSEYS.

Exhibitors—Mr. Wilkinson, Newton, Kans.; H. H. Hague & Son, Newton, Kans.; W. L. Critser, Wichita, Kans.; Thomas Fruit Farm, Wichita, Kans. Aged boar—First to Hague & Son on Sunnyside Prince; second to Wilkinson. Boar 18 months and under 24—First to Critser; second to Wilkinson. Boar 6 months and under 12—First to Hague & Son on Royal Prince; second to Thomas Fruit Farm. Boar under 6 months—First and second to Thomas Fruit Farm. Aged sow—First to Hague & Son on Wichita Pearl; second to Thomas Fruit Farm. Sow 18 months and under 24—First to Hague & Son on Faultless Perfection. Sow 12 months and under 18—First to Hague & Son on Melrose 4th; second to Hague & Son on Lady Go On. Sow 6 months and under 12—First and second to Hague & Son. Sow under 6 months—First to Hague & Son; second to Thomas Fruit Farm.

DUROC-JERSEY CHAMPIONS.

Best boar under 1 year—First to Hague & Son on Sunnyside Prince. Best boar under 1 year—First to Thomas Fruit Farm on Wichita Pearl. Best sow over 1 year—First to Hague & Son on Sunnyside Choice. Best sow under 1 year—First to Hague & Son on Best. ALL BREEDS CHAMPIONS. Best boar and five of his get, all breeds competing—First to Hague & Son. Best sow and five of her pigs, all breeds competing—First to Thomas Fruit Farm; second to Hague & Son. Herd boar and three sows over 1 year—First to Wright on Poland-Chinas. Herd-boar and three sows under 1 year—First to Hague & Son, on Duroc-Jerseys.

The Cowley County Fair.

The Cowley County Fair, held at Winfield, Kans., October 1 to 6, was the most successful fair held in Cowley County. The exhibits were better and the crowds larger than ever before in the history of the fair. The live stock awards were as follows:

DUROC-JERSEYS.

Exhibitors—W. E. Brown & Son, Cambridge, Kans.; J. F. Stodder, Burden, Kans. First on aged boar went to Brown on Missouri King, litter mate to Lord Goldfinch, sweepstakes boar at the Missouri State Fair, 1906, and Date Boy, sweepstakes winner at the same fair in 1905. These two and the Columbia College boar were all in the Royal prize list this week. These four and the great Mc's Pride, belonging to Marshall Bros., also of Cowley County, are litter brothers and out of the World's Fair champion sow, Date. Second prize was also awarded to J. F. Stodder on Mayboy. Boar 1 year and under 2—First to W. E. Brown & Son on Neptune. Boar 6 months and under 12—First and second to Brown & Son. Boar under 6 months—First to Brown; second to Stodder. Sow over 1 year—First and second to Stodder. Sow under 1 year—First to Brown; second to Stodder. Sow pig under 6 months—First and second to Stodder.

BERKSHIRES.

Exhibitors—Leon A. Waite, Winfield, Kans.; H. V. Baldock, Udall, Kans.; David Fox & Son, Atlanta, Kans. Waite and Baldock are young breeders just starting in the live stock business. They bought their stock from Fox. The Berkshires had by far the largest number and the best exhibit of hogs, and were better than the average exhibit of Berkshires at the county fairs. (Continued on page 1119.)

Home Departments

CONDUCTED BY RUTH COWGILL.

My Task.

I thought to work for Him. "Master," I said, "Behold how wide the field and good the seed! How few to sow! For thee all toil were sweet— Bid me to go!" He stayed my eager feet; "Not that, my child, the task I have for thee."

"Thou seest, Lord, how white the harvest bends; How worn the reapers are. Their cry ascends For help, more help to garner up the grain. Here am I, Lord, send me!" Alas, in vain. The Master said, "Let others bind the sheaves."

"Thy lambs, dear Lord, are straying from the fold; Their feet are stumbling o'er the pathways cold. Far in the night I hear their piteous cry— Bid me to lead them back—the wanderers—ere they die." "No. Other hands must lead them home again."

"Dear Master, dost thou see the bitter tears The mourners shed? Through all the long, sad years Their walls ascend. Wilt thou not bid me say Thy hand shall wipe each mourner's tears away?" "My child, I know their griefs, and I will heal."

"'Tis not for thee to sow the deathless seed; Nor thine to bind the sheaves; nor thine to lead The lost lambs back into their fold again; Nor yet to soothe the heart sore, crushed with pain. For thee, my child, another task is set."

And then He led me to a darkened room Filled with deep silence. 'Mid the gloom My task I found. Not what I would, but what He wills, is mine. And so I work, and pray His love to shine And lead me all the way to reach His throne.

—Anonymous.

Systematic Planning.

Good housekeepers are sometimes spoiled by having too much to do. They fall into the habit of hurrying through with a piece of work, doing it in an inferior manner, in order to accomplish everything on hand. Slighting one's work does harm in more than one way, but most seriously to the slighter, who gradually assumes the habit of not doing anything well and thus warps the whole character. The motto, "What is worth doing at all is worth doing well," is as good a rule now as when it was first uttered. But add to this motto, "But what can not be well done leave undone."

In this age of complex living we shall have to study to accomplish the work of the day with system, "using the head to save the heels," as far as possible. I would not call it "systematic slighting," but systematic planning. Order in the home is the prime factor in lessening the work. "Having a place for everything and keeping everything in its place" saves many steps and much worry. Those who have such orderly habits are able to go in the dark and find what is wanted, unless some one has misplaced it. But in the orderly home even the naturally disorderly are not so apt to put things out of order. Things that are the least essential to the comfort and happiness of the family should be marked off the day's calendar of work.

We can not yet entirely eliminate sweeping from our housework, but it may be lessened. Perhaps not far in the future we may have a compressed-air apparatus which will suck the dust and dirt up from everything instead of having to stir it up with a broom and inhale it into the lungs with germs of any kind. Such machines are now used on a large scale for housecleaning with great success. There is something that most any one can have, if she thinks so, that is such a labor-saver—the carpet-sweeper which takes up the dirt by pushing it over the floor. One may be bought for \$2.50 or \$3 and it lasts for years. It is not expensive even when considered only from the money standpoint, but when looked at as a saver of strength and vital powers, it is inestimable. The sweeping may be minimized greatly. The sleeping-rooms need not be thoroughly swept oftener than once a week. With a little care in picking up they may be kept in good order. The family room, being used all the time, may need sweeping oftener, but with the

use of the sweeper this is easy, and it requires but a few minutes to run the sweeper over the carpet, leaving it free from all loose dirt and dust. It creates very little dust in the air and requires much less effort to do the work than with a broom. The sweeper will not sweep the corners nor close to the wall, but that can be done with a broom. I heartily recommend to every one to leave a space between the carpet and the base-board so as to keep the dust well wiped up. Even a common soft wood floor may be used, by first staining it with Diamond stain and then oiling it. It is much more sanitary and lessens the amount of carpet to be swept. After sweeping with the sweeper, put a cotton flannel bag over the broom and wipe the dust from the floor border or wring a cloth out of water into which you have put a little kerosene and wipe the floor.

Dish-washing often requires a "lot" of time, but it may be dispatched in a little while, after the dishes have been put in readiness. The dishes should be thoroughly scraped and piled ready for washing. Wash them in hot suds and then rinse them in hot water and put them to drain with a clean cloth over them to keep the dust and flies off. They will not require wiping, but by the time you have washed the cooking utensils and finished the rest of the kitchen work, they may be put into their places. The glasses may be washed in the same way, only do not rinse them in water hot enough to break them. Turn them upside down on a folded cloth to drain. The tea-towels need not be washed every day, but provide enough so that they may be washed once a week, not with the regular washing, but put them to soak over night in a suds made with Pearline. In the morning boll them, then wash and rinse them well. When dry, fold them and put them away without ironing. It will require very little work to make them clean and sweet in this way.

The laundry work may be made much less laborious by the use of the washing-machine. Washers are made now so that they do the work quickly and well. Every woman should have one. The ironing may be lessened by about half, by leaving unironed most of the unstarched things. Let the sheets become thoroughly dry, then fold neatly and place on a clean, flat-bottomed chair and sit on them while you fold the common towels, underclothing, and such things, reserving your strength for the starched clothing. Place all the flat clothing on the chair and sit on it some more while you use your hands at something else or let them lie idle in your lap and rest. The wearing apparel should be hung on the clothes-rack to air before they are put away. Perhaps some "real nice" housekeepers will condemn this way of doing and call it shiftless and lazy, but when the day shows up more than can be accomplished well and more than can be done without sacrificing health and good nature or other things of greater importance, is it not better to leave something undone?

A Day at Little Rest Farm.

This letter is from a retired teacher, a woman of rare ability, but, best of all, is cheerful and happy with all her work. It is an entertaining letter and can not help making many of us feel contented with what has seemed a hard lot:

Westfield, Mass., Sept. 11, 1906.

Little Rest Farm.

"My Dear Cousin: Perhaps you would like to know how to-day has gone at Little Rest?"

"Last night we had 1,200 large asters disposed in jars, pails, and pitchers on the piazza. This morning we rubbed open our sleepy eyes at 5 o'clock, for to-day Arthur goes to Hartford. The pater goes to his morning work, matter to the preparing of breakfast and the delivery of expostulations to the sleepy lad upstairs—on the subject of early rising.

"Soon we sat down to breakfast, and then rose to pack up those asters in two long and wide baskets. At 6.10 a. m. the horse is at the door. Arthur and I start for the Springfield road to catch the early electric, as the car on our road does not pass till 7.30. We do the 3-mile ride or more in half an hour, and the boy goes on to get to Spring-

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Pretty big sum wasn't it?

Now can you figure up how much of the heat generated by that fuel was wasted?

If your stove is the ordinary, putty-jointed, side-door, under-draft affair, you can safely assume that over one-third the heating power of the coal was lost.

A dollar's worth of stove putty will plug up the seams in twenty stoves—but it won't keep them air tight.

A few weeks' use, and the putty shrinks and falls out, leaving air-sucking cracks, which force the heat and unburned gases up the chimney.

Whether you burn hard or soft coal, a great

percentage of the available heating power is gas—soft coal is fully one-half gas.

To get your money's worth from your fuel you must have a stove which is tight enough to hold back these gases until burned.

And Cole's Original Hot Blast Stove does this.

The air-tight construction (made without stove putty) holds back the gases until they are consumed by the patented top Hot Blast draft. There is absolutely no waste. A hat full of the cheapest coal costing one cent holds fire over night.



Shows leaky, putty-joint construction of other stoves.

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For Soft or Hard Coal

All imitations of Cole's Hot Blast lack the patented construction for top Hot Blast; the patented steel coil connection for the elbow casting to stove body, making an everlasting tight joint which cannot open under the fiercest heat; the patented compound hinge for ash door; the guaranteed smoke proof feed door, and other exclusive features which make the Original Hot Blast the best fire keeper and the most economical stove in the world. Prices, \$10 and Up

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Some Good Recipes.

Five-Minute Soup.—This recipe will be found a convenient one for the housekeeper who is in a hurry and has no time for lengthy preparations. To every four cups of tomatoes add two cups of water or stock. Season with four small slices of onions, a blade of mace, two even teaspoonfuls of salt, a liberal pinch of pepper, thyme and summer savory, with a bay leaf if convenient. Mix four tablespoonfuls of flour with one or two of butter, and gradually stir into the soup. Place the soup on the stove and cook for a couple of minutes, or until it begins to thicken. Then press it through a sieve that will exclude the seeds. Heat it again on the stove and serve with croutons. This soup is very appetizing.

Creamed Bacon.—Bake in the oven slices of bacon till they are brown and crisp; put them on a hot platter; add to the fat in the pan a tablespoonful or more of flour; stir till smooth, add gradually a teacupful and a half of milk and cook two minutes.

Starlight Cake.—Beat the whites of three eggs with one cupful of sugar, one cupful of sweet milk, in which is dissolved one teaspoonful of soda, two cupfuls of flour with two teaspoonfuls of cream of tartar well sifted in, and two-thirds of a cupful of butter. Beat the mixture for fifteen minutes, then pour into layer pans. When baked, fill the layers with whipped cream, covering the top one with an extra thick coating, and drop spoonfuls of orange jelly here and there over it.

Mince Pudding.—Use half a pound of cold meat of any kind finely minced, two ounces of bread crumbs, pepper and salt to taste, two ounces of cooked rice or macaroni cut small. Beat up an egg and add a teacupful of stock. Thicken with half an ounce of flour and flavor with minced herbs if liked. Line a thickly buttered basin with bread crumbs, fill with the mince, and cover with more bread crumbs. Bake for an hour or steam if liked better. Turn out and serve with good gravy.

Potato Souffle.—Boll four good-sized mealy potatoes and pass them through a sieve. Scald in a saucepan, one-half teacup of milk and a tablespoonful of butter, add to the potato with a little salt and pepper and beat to a cream. Then add one at a time the yolks of

"SARA L. HIGGINS."

four eggs, beating thoroughly, put a small pinch of salt into the whites and beat them to a stiff froth, then add them to the mixture, beating as little as possible. Have ready a well-buttered baking dish large enough to permit the soufflé to rise without running over and bake twenty minutes in a brisk oven. Serve at once in the same dish in which it was baked. It is nice to serve with meats that have gravies.

Liver and Bacon Pie.—Take an equal number of pieces of liver and fat bacon. Free the latter from rind, place in a clean pan and fry until cooked. Then dish up on a hot plate and reserve. Add the slices of liver to the fat remaining in the pan. Fry until cooked a nice golden brown hue. Take out and add to the bacon. Thicken the fat with a little flour and water and a tiny bit of butter mixed together and stir until quite creamy and of good brown color. Place the liver and bacon in a deep pie dish in layers. Add salt and pepper if necessary. Fill up the chinks with forcemeat balls, pour the gravy over the whole. Cover with a plain crust. Brush the top with a beaten egg and bake in a moderately hot oven until the crust is done; then serve at once.

Most Practical Books for Mothers.

The Woman's Club, of Washington, D. C., has decided on the following books as the most practical for a mother to take up when she is reading or studying with her children: "Society and Solitude," by Emerson; "Poets of America," by Stedman; "Thanatopsis," by Bryant; "Tales of a Wayside Inn," by Longfellow; "Idylls of the King," by Tennyson; "Merchant of Venice," by Shakespeare; "Camp and Field," by B. F. Taylor; "Poems," by Bayard Taylor; "History of England," by Hume; "Life of Christ," by Canon Farrar; "Winning of the West," by Theodore Roosevelt; "The Bible." Any mother that masters these volumes will have a fund of culture at her command which will never leave her helpless in the face of the queries of her children.—Borrowed.

The Young Folks

Young Women's Christian Association.
Any young woman who is planning to come to Topeka, will find peculiar advantages at the rooms of the Young Women's Christian Association, 623 Jackson Street. Rest rooms, reading room and lunch room are at the disposal of all women at any time. A boarding house directory is kept at the rooms, and also an employment bureau, free of charge. On each Sunday afternoon, at 4:15 a gospel meeting is held to which all women are invited. The first week of October is the time set for the opening of the club work, and the classes in Bible Study, in English, Parliamentary Law, Sewing, Water Color and Travel. The Gymnasium also opens then, with classes in Physical Training under a competent instructor. The printed announcements will be mailed on application to the General Secretary. A cordial invitation is extended to out-of-town women, especially to make use of the rooms.

Thoughts of the Commandments.

"Love your neighbor as yourself,"
So the parson preaches;
That's one-half the Decalogue—
So the prayer-book teaches.
Half my duty I can do
With but little labor,
For with all my heart and soul
I do love my neighbor.

Mighty little credit, that,
To my self-denial;
Not to love her, though, might be
Something of a trial.
Why, the rosy light, that peeps
Through the glass above her,
Lingers round her lips—you see
E'en the sunbeams love her.

So to make my merit more,
I'll go beyond the letter—
Love my neighbor as myself?
Yes, and ten times better,
For she's sweeter than the breath
Of the Spring, that passes
Through the fragrant, budding woods,
O'er the meadow-grasses.

And I've preached the word I know,
For it was my duty
To convert the stubborn heart
Of the little beauty.
Once again success has crowned
Missionary labor,
For her sweet eyes own that she
Also loves her neighbor.
—George Augustus Baker.

The Greatness of Little Things.

Charles M. Sheldon is a lover of young folks, and his influence over them is wonderful. They all love him. The least even to the greatest and little children will listen to his sermons and be interested. What he says is always helpful. I give you a part of a sermon that he preached this fall:

"It is human ambition to want to be great and do great things, but it is also human weakness and lack of vision to think that greatness is a result of a thing we call genius, or that great things are accomplished without any attention to what we call little things. On the contrary, it is true that great things in life, whether they be

what we call accomplishments or the sum total of character, are invariably due to the sum total of a multitude of little things well done. There is not a great thing in the world that is not traceable to little things. There is not a great character in history anywhere, that is not the result of careful attention to the minute details of everyday conduct.

IMPORTANCE OF DETAILS.

"This is specially true, so far as results are concerned, in the realm of character. What we call genius may and does do certain things which the average mind or skill can not accomplish; but even genius does not accomplish its wonders by neglecting details. It rather seems to be the mark of genius to pay more attention to details than the average man. Men like Mr. Edison insist upon it that it is not genius at all, but hard work. It is, of course, true that there is something added to the hard work in his case, which you and I do not possess; but it is also true that he would not do his work even with his superior mind for invention, if he were not tremendously painstaking over details.

"A man, who has made a comfortable living from the waste thrown on a dump heap, says he makes assortments of material in eighteen different barrels. He finds that old tin cans are in demand for the making of Christmas toys. Old corks are worth eight cents a pound. Every old shoe has one piece of leather in it which is good, and that is the instep. This is used by leather-makers in the formation of purses and little articles of sale for holiday goods. In the manufacture of calico, and in the process of making kid gloves, egg-shells are in demand, and one million pounds of them are used in the world every year. The man and his dump heap, represents the finding out of the value of apparently unimportant and even, useless things. The manufacturers of the world are beginning to find that the waste product of much material pays the running expenses of a department. The artist who made beautiful statues said, in reply to a question, 'It is easy to make statues, isn't it? Yes. All you need to do is to get a piece of marble and knock off all the little pieces you don't want.' But in the knocking of them off, the most scrupulous attention has to be paid to the minutest particles knocked off.

IMPORTANCE OF PROMPTNESS.

"Now there are certain habits of life which lie within the reach of the average person. They are not the property of genius. They are not beyond the reach of any one who has in any degree a mind or body fit to do anything. Let us take, for example, the habit of punctuality. Empires have been won or lost by obedience to this habit or the neglect of it. Mr. Mardin says of President Washington that he dined at four o'clock. New members of Congress invited to dinner at the White House would sometimes come late, and be mortified to find the President eating. 'My cook,' Washington would say, 'never asks if the visitors have arrived, but if the hour has arrived.' The same thing is told of Napoleon, who once invited his marshals to dine with him. They came just as he was rising from the table, and he said: 'Gentlemen it is now past dinner, and we will immediately proceed to business. Sir Walter Scott says: 'When a regiment is under march, the rear is often thrown into confusion because the front does not move steadily and without interruption. The same thing is true with business. If that which is first in hand be not instantly, steadily, and regularly dispatched, other things accumulate behind, until affairs begin to press all at once and no human brain can stand the confusion.' And Shakespeare reminds us of the value of time in his well-known command: 'Stand not upon the order of your going but go at once.' Promptness or punctuality does not mean hysterical haste, but it does mean keeping our appointments, keeping our word. As has been said: 'There is one thing that is almost as sacred as the marriage relation, that is, an appointment. A man who fails to meet his appointment, unless he has a good reason, is practically a liar, and the world treats him as such.' Young men are losing their positions, and making a failure of life every day because they are not prompt. It is a little thing, but upon it has depended the well-being of thousands of human beings over since the world began.

THE INITIATIVE QUALITY.

"By that I mean doing things without being told. I shall never forget a little story I read, when I was a boy not twelve years old, about a rich old

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Allen Moore, Chillicothe, Mo

man who was an invalid, living in a beautiful house, who was one day sitting at a window which overlooked the street. A teamster had carelessly hitched his horse to a young tree in front of the old man's house and the animal was tearing the bark off the trunk. The old man fumed and rang his bell for a servant, but none appeared. The teamster finally came along, unhitched his horse, and drove away. Up the street a school was dismissed and the children scattered down the sidewalk, laughing and playing as they went home. The old man, sitting in the window looking at the injured tree, rang his bell and stormed, but no one came. As he continued looking out of the window, one of the schoolboys happening along, saw the tree and stopped, looked around and found a rag in the gutter, took out of his pocket a piece of string, went up to the tree, carefully put back the pieces of bark which had been torn off, wrapped them around carefully with the rag and tied them with the string and then went along. The old man looking at it all was unable to open the window or call to the boy; but when a servant finally appeared he described the boy's appearance as well as he could, and told him to make every effort to find out who he was. I remember, as the story went on, it ended as a good many stories of that kind do, in the boy being found and sent for by the rich old man, who helped him to get an education and a position and gave him a start in life. That part of the story, of course, is not necessary to the moral. The main thing is, and that was impressed upon my mind, this boy saw what other boys did not see. He did not wait to have some one tell him to repair the injury to the tree, but did it without being told.

"One of the finest qualities in a workman in this quality. One of the rarest in a servant in the house is the doing of things that need to be done without being told. Young men working their way through college are invaluable if they have this quality. A tool is left out on the lawn; there is a nail off the fence; there is a lock broken from a door; there is a window-pane gone somewhere. The boy who tends to these things because they need attending to without specific directions is the boy who, other things being equal, is going to be in demand when he gets out into the world, and it is the attention to little things and the habit of observation, which sees what needs to be done and then does it, which makes exceedingly useful men and women. There will always be a position for such persons. There will always be a call to come up higher. It is in one sense a small thing to do these little things without orders, but it is the doing of them that makes great captains, great engineers, great artists, great architects, great workers in any department, and it is the absence of this quality that makes commonplace men and women, who will always have to live under the dominion of petty orders, men and women who do nothing unless they are told to do it. It is this quality which makes volunteers in church work, and the invaluable men and women who do not have to be stood over. They are the joy of the pastor's heart; they are the persons who do not have to be watched."

A Nickel Back.

A twelve-year old West Philadelphia boy of lively imagination was so sure he was sick one day last week that, though he was unable to describe any symptoms, his father took him to the family physician, says the Philadelphia Record. That wise man, after looking the youngster over and realizing the situation, shook his head seriously and said: "Your son is suffering from a severe case of hypochondria." He then wrote out a prescription, telling the father in an aside that it was for two ounces of pure water, but if administered by teaspoonfuls every two hours would probably cure the bad case of imagination without harm to the boy's system. At the drug store the father still accompanied by the boy, asked to have the prescription filled and also for a 20-cent bottle of a patent toilet preparation. When he came to pay, realizing that the bottle containing the water would probably cost something, he put down a handful of silver, which happened to be sixty cents. The druggist gravely picked one coin after another until only 5 cents was left. This he pushed back, and seeing that the customer looked surprised, said in explanation: "Twenty cents for the toilet water and 35 cents for the medicine." "Oh, is that all?" said the father,

picking up the 5 cents at last; "I thought perhaps the nickel was bad." —Ex.

A Chinese Schoolboy.

The Chinese school-children have instilled into them at an early age habits of hard, steady study. At the age of five a boy begins his schooling. At daylight he is given a task, and after it is completed is allowed an hour for breakfast. Again, later, he has an hour for luncheon, but he is at his study nearly twelve hours a day, seven days in a week. All the time that he is not saying his lessons he is learning aloud at the top of his voice. He is taught rudimentary astronomy, physics, and natural history, but greater stress is laid upon writing and his literary studies than upon any other branch.—Harper's Round Table.

The Little Ones

The Circus.

Once upon a time, a man—in Calcutta, Hindoostan, Thought he'd like to own a circus—just for fun— So he hired from the town a most fascinating Clown To assist him; and he found him just the one— For he'd travel west and east to consult with bird and beast, And persuade them, in his charming way, to meet Near the city of Khartoom, where they'd have abundant room For the cages, rings, and side-shows on the street.

Now the circus, all confess, was a wonderful success, And the Ostrich, with her feathers, proved the belle. The Orang-outang with ease swung upon a high trapeze, While a kicking Kangaroo performed as well. Some large Bulls, from far Madrid, made a living pyramid— How the leaping Leopard cleared it with a bound! Then an agile Ape, of course, jumped through hoops upon a horse And an Elephant threw daggers at a Hound.

People came from near and far just to see the Jaguar And a Tapir trip the trolley with a Seal. And a Salmon shoot the chute; while a Falcon played the flute. When the Lion looped the loop upon a wheel, On the whole, they did so well—from the Gnu to the Gazelle, That it truly was a wondrous sight to see! And they all had been so good that their master said he should Now release them from their promise, they were free.

Said the Yak, "We're quite content. No, we really can't consent. But I'll tell you what the animals will do— As we much prefer to roam, and we do not sigh for home, We will travel for, perhaps a year or two." All rejoined, "It's just the thing; we will meet then every spring, For we never will be parted from the Clown!"

The Backbone of a Mighty Nation

is good food—food for brain, food for brawn, food that is strengthening, that gives energy and courage. Without a proper appreciation of this great fundamental truth no nation can rise to greatness.

As an article of food, soda crackers are being used more and more every day, as is attested by the sale of nearly 400,000,000 packages of **Uneeda Biscuit**, which have come to be recognized as the most perfect soda cracker the world has ever known.

And so **Uneeda Biscuit** will soon be on every table at every meal, giving life, health and strength to the American people, thus in very truth becoming the backbone of the nation.

NATIONAL BISCUIT COMPANY

So it's possible you may see the circus some fine day, And the long procession going through the town. —October St. Nicholas.

What the Clock Says.

FERN ALEXANDER—AGE 12.

How many of us have ever stopped to consider the clock? I think that if one and all would, they might profit by its teachings.

As I sit and listen to it, it seems to say, "I am man's faithful servant, and toil all the day through. I always speak the truth. Many of your friends that appear to be true, will, in time, prove false—you will find that I am your true friend, and always attend to my own affairs. I don't meddle with any of your affairs, but sometimes you meddle with mine."

"I am proud to say that I own an innocent face, and not a sinful mark can you trace. I always wear the same countenance, though the weather be sunny and bright, or cloudy and dreary."

"Did you ever stop before to think that I have counted every second of your life? Even though you are not very old, you have lived many seconds, and what have you accomplished? I get very weary of counting the seconds, but if you will try to improve each one so as to accomplish some good, or make an unhappy person happy, life will not seem like such a great battle."

"I tell the people when to get up, breakfast, dine, sup, and retire. But still I have never heard any one address me saying, 'Thank you for your kind information.'"

"Time passes very quickly, a great dealer quicker than many people seem to think. I hurry the coming of the morrow, and I hope that it will find us farther than to-day.' I wait not for any man. Some seem to think that I will, so they linger along life's broad way, until some future day they find that it does not pay, and when they commence to be industrious, then they will certainly say that it is indeed very hard to make up lost time."

The Woman on the Farm.

As a rule, the woman on the farm has charge of the poultry. Goodness knows, she has plenty of small troubles in handling the birds to get the most productive results in weight of birds and number of eggs. To keep them well and healthy is the main problem.

We have just read a very interesting little book, entitled *Chicken Chat*, published by the Zenner Disinfectant Company, 61 Lafayette Ave., Detroit, and we understand that these people, the makers of Zenoleum Disinfectant and Insecticide, will be glad to send a copy of this booklet, charges prepaid, to any reader of this paper who will write for it.

We earnestly recommend that every woman reader write at once. The edition is limited, and the first comers will be served quickest. Better sit down and write a postal card now.

It is a grate art to be able to guide and control others, and not have them know it; this is genius.—Billings.

GREAT STOVE OFFER.

WONDERFUL REDUCTION IN PRICES.

Stoves reduced to prices heretofore unknown or unthought of. **69 CENTS** buys this wonderful value, new, high grade 1907 Model Airtight Sheet Iron Heating Stove. Large assortment of other airtight heaters at correspondingly low prices. Wonderful price reductions, astonishing offers, all shown in our new Special Free Stove Catalogue. Write for our Free Stove Catalogue at once.

\$1.89 buys this new 1907 Model Rocco Pattern Oak Heating Stove for coal or wood; has every up to date feature, perfect fire control, one of the very handsomest, strongest and best oak heaters made. Our new line of oak heaters of all kinds, the wonderful price reductions and our great stove offers shown in our FREE STOVE CATALOGUE will surprise you.

\$19.06 buys this large, extra heavy, self feeding, double heating return flue base burner heater; most elaborate large swirl silver nickel ornamental dome, elaborate nickel base, arms, nickel frame and other trimmings, mica (single) swing doors, every known up to date feature, the most beautiful, the best base burner made, with the improvements of all other fine base burners and the defects of none, the equal of base burners that retail up to \$50.00, beautifully illustrated and thoroughly described in our Free Special Stove Catalogue.

\$12.75 buys this big, full range, complete illustration with big, deep, porcelain lined reservoir, high shelf, warming closet, etc. Very much lower prices if you do not need the reservoir, shelf or warming closet. A marvelous bargain more fully shown in our FREE STOVE CATALOGUE.

\$22.58 buys this Acme Triumph, the highest grade and best steel range in the world, the equal of any range you can buy anywhere for \$50.00. Just reduced from prices ranging from \$27.95 to \$32.05. \$22.58 is now the astonishingly low reduced price for our finest Acme Triumph steel range, complete with porcelain lined reservoir, high back, big shelf and closet, the very best of every thing that money can buy. Write for our Free Stove Catalogue and learn all about these wonderful stove price reductions.

IN OUR OWN MAMMOTH FACTORY at Newark, Ohio, the largest stove foundry in the world, we make every variety of the highest grade stoves made in the world and we sell them direct to the user at about one-half the lowest prices you can buy elsewhere. Every stove is covered by our binding guarantee, is guaranteed to reach you safely, free from break or damage of any kind and we agree to furnish you any repairs in the years to come. Wonderfully low freight charges. We will tell you just how little the freight will be on any stove to your town and the freight will be so small it will surprise you. We have an immense stock on hand of every kind and size of stove and can ship your stove the day we get your order and it will reach you in just a few days.

OUR GREAT FREE OFFER. Cut this ad out and send to us or on a postal card or in a letter simply say, "Send me your FREE STOVE CATALOGUE." and by return mail you will receive, postpaid, free, our very latest special stove catalogue with all these and many other wonderful offers, all the marvelous price reductions, the most attractive stove proposition ever heard of. We have been able to make stove offer we or anyone have been able to make. Remember also, if you buy a stove from us you share hundreds of valuable articles and this great Profit Sharing Plan, the merchandise absolutely free to you. It is all explained in the stove book. Don't buy a stove at home or elsewhere until you get this great stove catalogue and all our offers. Write us this minute. Address **SEARS, ROEBUCK & CO., Chicago, Ill.**

Club Department

OFFICERS OF THE STATE FEDERATION OF WOMEN'S CLUBS.

President.....Mrs. May Belleville Brown, Salina
Vice-President.....Mrs. L. H. Wishard, Iola
Cor. Secretary.....Mrs. N. I. McDowell, Salina
Rec. Secretary.....Mrs. W. D. Atkinson, Parsons
Treasurer.....Mrs. H. B. Asher, Lawrence
Auditor.....Mrs. Grace L. Snyder, Cawker City

Our Club Roll.

- Excelsior Club, Potwin, Kansas, (1902).
Women's Literary Club, Osborne, Osborne County (1902).
Women's Club, Logan, Phillips County (1902).
Domestic Science Club, Osage, Osage County (1888).
Ladies' Social Society No. 1, Minneapolis, Ottawa County (1888).
Chalisco Club, Highland Park, Shawnee County (1902).
Cultus Club, Phillipsburg, Phillips County (1902).
Literateur Club, Ford, Ford County (1903).
Sabeau Club, Mission Center, Shawnee County Route 2 (1899).
Star Valley Women's Club, Iola, Allen County (1902).
West Side Forestry Club, Topeka, Shawnee County, Route 8 (1903).
Fortnight Club, Grant Township, Reno County (1903).
Progressive Society, Rosalia, Butler County (1903).
Pleasant Hour Club, Wakarusa Township, Douglas County (1899).
The Lady Farmer's Institute, Marysville, Marshall County (1902).
Women's Country Club, Anthony, Harper County.
Taka Embroidery Club, Madison, Greenwood County (1902).
Prentiss Reading Club, Cawker City, Mitchell County (1903).
Cosmos Club, Russell, Kansas.
The Sunflower Club, Perry, Jefferson County (1903).
Chaldean Club, Sterling, Rice County (1904).
Jewell Reading Club, Osage County.
The Mutual Helpers, Madison, Kansas (1906).
West Side Study Club, Delphos (1906).
Domestic Science Club, Berryton, Shawnee County (1906).
Mutual Improvement Club, Vermillion, Marshall County (1903).
(All communications for the Club Department should be directed to Miss Ruth Cowgill, Editor Club Department.)

The Travelling Library.

Two years ago the Travelling Library moved from its quarters in the State Library into well-equipped and much larger rooms on the basement floor of the State House. The popularity and usefulness of these little libraries grow so rapidly that the present facilities for doing the work are entirely inadequate and the commission will soon be obliged to secure more commodious quarters.

Orders for the libraries are coming daily and in increased numbers as the days grow cooler and the evenings longer. The past week or ten days have brought many orders for school libraries.

Mrs. Ella W. Brown, of Powhattan, called at the rooms of the Travelling Library recently and selected a splendid group of books along general lines. Mrs. Brown has organized a Young Men's Reading Club in the Congregational Church at Powhattan, and will interest its members in reading the Travelling Library books.

The fifth annual meeting of the First District Federation of Women's Clubs which met in Topeka recently brought many visitors to the department of Travelling Libraries. The club women of the State are always welcome visitors, for it was they who first thought of traveling libraries for Kansas, and it has been their unflinching interest that has so greatly contributed to the success of the work in Kansas.

Mrs. Kate I. Hixon, of Cunningham, Kans., is doing some fine work with the boys and girls of her town and neighborhood by securing the traveling libraries for their use. She has two traveling libraries at present, one that she circulates from the schoolhouse and the other she sends out from her home.

Mrs. E. W. Snyder, of Leavenworth, was a caller at this department recently. She is interested in securing libraries for two missions and some of the schools in Leavenworth.

Traveling Libraries have recently gone to the following stations: Powhattan, Arkansas City, Geuda Springs, Atwood, Mulberry, Colony, Marysville, Council Grove, Valhalla, Cedar Point, Parsons, Cawker City, Bucklin, Fall River, Burr Oak, Pleasanton, Parker-ville, and Buffalo.

For particulars in securing a library, address secretary of Travelling Libraries Commission, Topeka.

Daughters of Ceres.

Below is a clipping taken from a paper in an adjoining State. It is a suggestion of much that will help in the formation of clubs or circles, which are so much needed in rural districts where there is so little to call out the inmates of the home to mix with others. This article demonstrates also how easily it is accomplished and how helpful such meetings prove to be. I urge new clubs to send in reports of your efforts in this direction:

"The earth is the Lord's and the

fullness thereof; the world and they that dwell therein.—Psalms, 24:1.

"The Walnut Chapter of the Daughters of Ceres sends greeting to the Daughters of Ceres everywhere. Our name, 'Daughters of Ceres,' we share with every farmer's wife, daughter, or sister who wishes to join with us. The chapter defines in a measure the local position of this one out of many chapters.

"Our motto: Live and help live.
"Our object—Improvement.
"Our emblem: Goldenrod.

"We meet every two weeks on Thursday afternoon at the home of some member or friend. Quotations, which is the opening exercise, are ever good. 'Each one in its place is best,' and leaves a remembrance 'of having tasted something good.' No definite work that is continued from week to week is taken up, but topics and questions of interest are 'talked over' either in a social or business way, as need requires. Before going to our separate homes a dainty lunch is always served, and we go our way feeling that we have been helped and helpful—just how I do not think we can always tell. We really do not undertake as yet definite continued work (except the quotations and lunch), but the keynote of helpfulness is in the abundant good will that is brought to each meeting. I will be very glad if I can help to scatter a little of the sunshine that comes into our local organization."

Agricultural College Scholarships.

The following correspondence explains itself:

Mr. John A. Spoor, President, International Live Stock Exposition, Chicago.

Dear Sir: We all recognize and appreciate the work done by our agricultural colleges in advancing the cause of agricultural education in this country through the character and extent of their exhibits of live stock and field-products at the International show.

With a view of stimulating their efforts and to give an increased evidence to our farmers of the great value of their work, I hereby offer to you the sum of five thousand dollars to be distributed annually at the International Exposition in twenty agricultural scholarships to be competed for by the State Agricultural Colleges at your exposition.

The competition for the scholarships is to be based upon animal and grain exhibits from the several colleges and such other forms of agricultural student competition as may be recognized or established by the International Live-Stock Exposition. The details governing the competition are to be determined by the management of the said exposition, and the scholarships are to be known as the J. Ogden Armour Scholarships.

It is my desire that the recipients of the scholarships should be limited to boys whose parents are unable to give them the advantage of an agricultural education. Yours truly,

J. OGDEN ARMOUR.

Dear Mr. Armour: On behalf of the directors of the International Live-Stock Exposition Association, as well as for myself, I beg to acknowledge your favor and to accept with many thanks your most generous offer of five thousand dollars to be distributed annually at the International Live Stock Exposition in twenty agricultural college scholarships to be named the J. Ogden Armour Scholarships.

This endorsement by you of agricultural education is most timely and worthy, and the safeguarding of the scholarships so that they may only be given to boys who might not otherwise have the advantage of a college education is a wise provision. The International Live Stock Exposition, founded for the advancement of agriculture and the improvement of live stock, is honored in being made the medium through which your liberal endowment is to be distributed, and I beg to assure you that every assistance in the power of this association will be rendered to carry out the provision of your scholarship awards, so that the greatest possible good may be derived therefrom.

Please accept our renewed thanks with full appreciation of the generous spirit and motive that has prompted the gift. Very truly yours,

J. A. SPOOR, President.

"How to Make Good Roads" is the title of a pamphlet distributed free by the Union Pacific on the proper building and maintenance of country roads. It describes at length the split log drag for grading and surfacing, and points out the remarkable results and benefits which will accrue to the farmer who uses it. Inquire of E. L. Lomax, General Passenger Agent Union Pacific R. R. Co., Omaha, Neb.

Simpson-Eddystone Prints advertisement featuring a woman in a dress and text describing the quality and variety of the prints.

The Youth's Companion advertisement featuring a circular illustration of a family and text listing the contents of the publication.

Every New Subscriber advertisement offering a special offer to new subscribers of The Youth's Companion.

Ask for The Shoes With a Buffalo Calf advertisement featuring an illustration of a buffalo calf and a shoe, with text describing the durability of the shoes.

\$80 TO \$175 PER MONTH advertisement for the National Railway Training School, Inc., offering training for firemen and brakemen.

The Cowley County Fair.

(Continued from page 1114.)

Aged boar—First to Fox on Ideal; second to Waite on Big Star.

Boar 1 year and under 2—First to Waite on Pride of Winfield; second to Fox.

Boar under 12 months—First to Baldock; second to Waite.

Aged sow—First to Fox on Anna.

Sow 1 year and under 18 months—First to Baldock on Queen Gladys; second to Fox on First Choice.

Sow 6 months and under 12—First to Fox on Straight Edge.

Sow under 6 months—First to Baldock; second to Waite.

CHESTER-WHITES. J. S. Gilkey, Maple City, Kans., exhibited 4 or 5 pens of Chester-Whites, and won all prizes.

POLAND-CHINAS. Exhibitors.—Snyder Bros., Winfield, Kans.; Sheeks & Anderson, Winfield, Kans.; P. E. Hesse, Winfield, Kans.

Aged boar—First to Snyder Bros. on Mellow Sunshine.

Boar 1 year and under 18 months—First to Snyder Bros. on Meddler Correct, brother in blood to Illinois and Royal prize-winners in same class.

Boar 6 months and under 12—Giltner, Winfield, Kans., on Keep On and On; second to Snyder Bros.

Boar under 6 months—First to Sheeks & Anderson.

Aged sow—First to Giltner on Blackbird's Perfection; second to Snyder Bros. on Chief 2d.

Sow 6 months and under 12—First to Hesse; second to Snyder Bros.

Sow under 6 months—First to Giltner; second to Sheeks & Anderson.

Mr. P. E. Hesse is just starting in the live stock business and bought his stock from the famous Poland-China breeder, S. C. Shellenberger, Camden, Ohio, and his hogs are of the High Roller strain.

Champion boar all breeds—First to Fox & Son on Ideal.

Champion sow all breeds—First to Giltner on Blackbird Perfection.

Boar and four of his get, all breeds—First to Fox & Son; second to Stodder.

Sow and litter, all breeds—First to Fox & Son; second to Sheeks & Anderson.

Exhibitor's herd—First to Stodder; second to Fox & Son.

Fox & Son were the only exhibitors of Hereford cattle and made a very good showing. J. F. Stodder was the only exhibitor of Shorthorn cattle and showed some very good stock, securing all the prizes. Mr. Stodder's show herd was at Kansas City the same week, where it won its share of ribbons in the American Royal.

C. M. Garver's Sale.

The sale of C. M. Garver, of Abilene, Kan., held October 16, was conducted under very unfavorable conditions, the day being rainy and disagreeable. While some of the offerings went a little below what they were worth, it was a very satisfactory sale. H. B. Walters, of Wayne, Kan., topped the hogs on a gilt by Highland Chief, Jr., at \$63.00, while the entire offering averaged over \$23.00 per head. Medoc, the 2-year-old Scotch bull, brought \$205, and went to C. W. Taylor, of Pearl, Kan. The following are the purchasers and the prices paid:

- E. H. Duffy, Moonlight, Kan. \$25
C. N. White, Bennington, Kan. 22
W. F. Brusoe, Woodbine, Kan. 22
J. J. Hartman, Abilene, Kan. 20
Geo. Smith, Cuba, Kan. 20
W. B. Cenph, Abilene, Kan. 23
L. D. Arnold, Abilene, Kan. 22
C. N. White 16
B. P. Smith, Miltonvale, Kan. 36
E. E. Kreder, Abilene, Kan. 17
E. H. Duffy, Abilene, Kan. 25
W. Lightner, Abilene, Kan. 16
L. D. Arnold, Enterprise, Kan. 20
O. B. Smith, Cuba, Kan. 20
Jno. Book, Talmage, Kan. 20
H. B. Walter, Wayne, Kan. 63
A. R. Enos, Lost Springs, Kan. 30
L. Patton, Solomon, Kan. 25
A. R. Enos 41
A. N. Talbert, Carlton, Kan. 22
J. H. Taylor, Pearl, Kan. 21
J. Book 40
O. W. Feigley, Abilene, Kan. 20
J. J. Hartman, Talmage, Kan. 18
Jno. Book 20
Kansas Agri. College, Manhattan, Kan. 26
F. B. Close, Abilene, Kan. 21
F. B. Close 20
C. N. White 13
W. Entricker, Abilene, Kan. 35
O. B. Smith 34
J. Rumberger, Abilene, Kan. 17
Jas. Morley, Langdon, Kan. 16
L. D. Arnold 17
Jno. Book 20
Mrs. B. Welch, Garfield, Kan. 14
Mrs. B. Welch 14
Jas. Morley 18
K. S. A. C. 29
H. W. Schockey, Abilene, Kan. 21
Jas. Morley 16
Carl Jensen, Belleville, Kan. 32
J. J. Hartman 50
A. N. Kestling, Manchester, Kan. 20
E. Kline, Abilene, Kan. 21
J. F. Gorman 21
J. Page 32
E. Kline 22
W. E. Prewett, Asherville, Kan. 36
Gus Leonard, Enterprise, Kan. 15
A. R. Enos 23
T. Hamm, Abilene, Kan. 21
Jno. Book 24
T. Murphy, Abilene, Kan. 20
E. L. Dehl 16
Geo. Wilson, Abilene, Kan. 11
C. N. White 17
L. D. Arnold 25
Jas. Morley 20
C. N. White 17

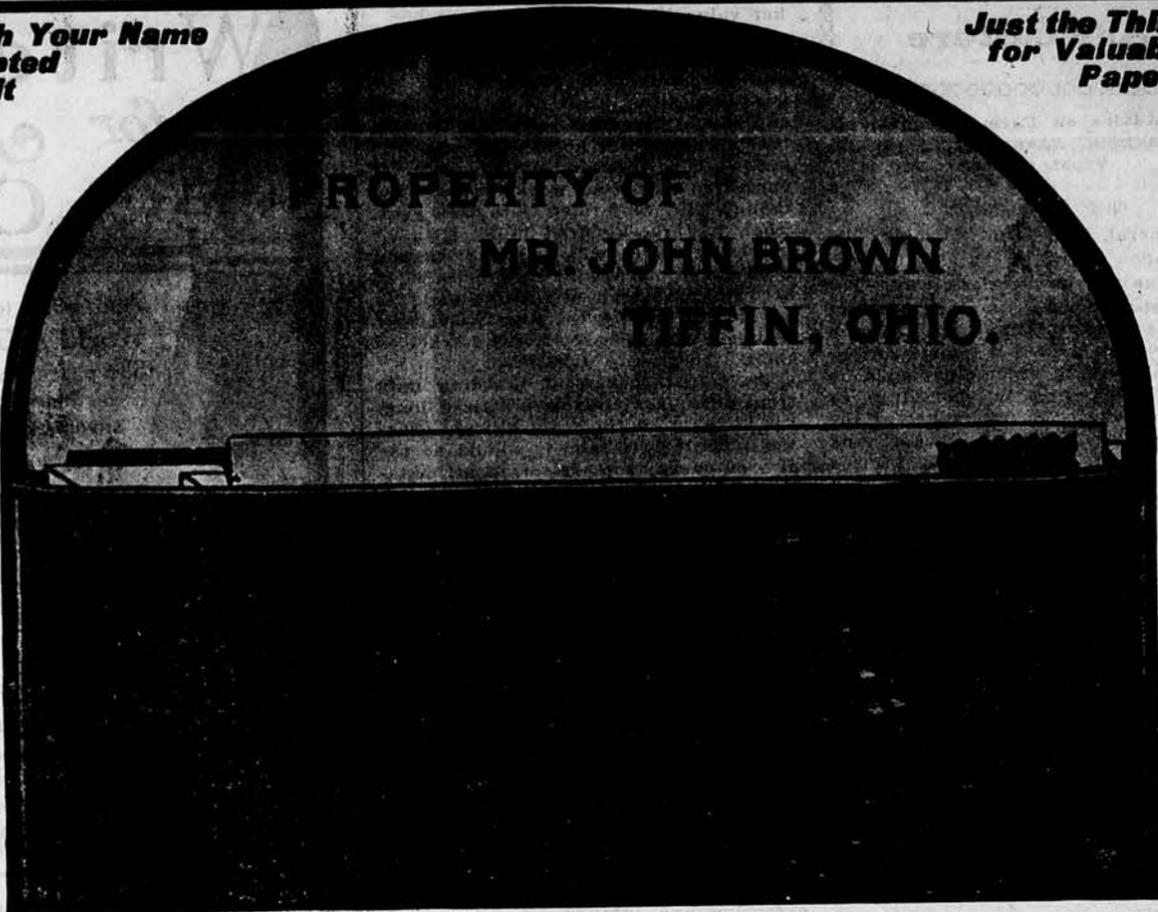
Frank Michaels' Sale.

The Poland-China sale of Frank Michaels, held at Summerfield, Kan., was well attended and a fair average was obtained for the stock, although the prices were not what they should have been considering the quality of the offering. Mr. Michaels knows how to breed the good ones and his offering of 50 head was one of the best ones of the year. We give below a list of the buyers and the prices paid:

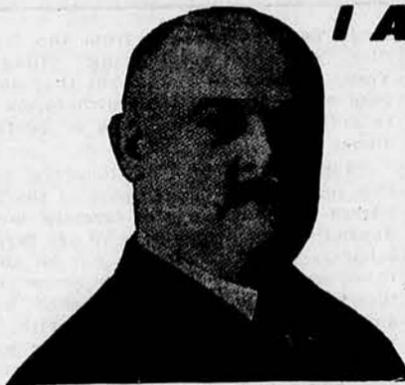
- R. Home, Summerfield, Kan. \$21

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Just the Thing for Valuable Papers



FREE FIVE THOUSAND POCKET BOOKS I Am Going to Give Them Away



CHARLES E. ELLIS.

I PUBLISH the greatest Farm Paper in the World—"The Metropolitan and Rural Home." Before I was a publisher, I was a farmer. Now I am intensely interested in both. I believe farming and publishing are the greatest and best businesses going. Sometimes I even think farming beats publishing.

A Great Big Illustrated Magazine FREE

mind you, The Metropolitan and Rural Home is a great big Magazine Paper. It is printed in clean, plain type on nice paper and there are lots of pictures every month. I just mention these things because they are extras—it's the stock, dairy and farm news, and good stories, that make my paper the best farm paper in the world.

If you don't tell me at the end of three months to stop the paper, of course, I'll keep your subscription—enter your name as a regular subscriber, and send you The Metropolitan and Rural Home for a full year.

Now I'm sorry I haven't got more of these Pocket Books, but there are only 5,000 to give away, so you'll have to hurry a little if you want one. They are such good Pocket Books that they'll go like wildfire, and you ought to stop right here, fill in the order blank and mail it to me at once, so as to be sure to get one of these Pocket Books. I put that blank in here so you needn't hunt for paper and ink unless you want to. Use a lead pencil, fill out the blank, inclose twenty cents (stamps or silver) and mail it to me just as quickly as you can. Do it right away, so the Pocket Books won't be gone when I get your subscription.

CHAS. E. ELLIS, Publisher, 22 NORTH WILLIAM STREET,

Metropolitan and Rural Home

SUBSCRIPTION DEPT. 267 NEW YORK CITY.

FREE POCKET BOOK BLANK Sign This and Send to Me at Once.

C. E. Ellis, New York. Dear Sir: Send me The Metropolitan and Rural Home for a year unless I tell you to stop it at the end of three months. Also send me one of those FREE Pocket Books with my name printed on it. I inclose 20 cents (silver or stamps) which you are to return to me if I tell you at the end of three months to stop my subscription to your paper. Yours truly,

Sign Name Address Town State

- C. J. Nevius, Chiles, Kan. 42
A. Ponska, Summerfield, Kan. 16
Chas. Bloom, Summerfield, Kan. 16
Burt Garrison, Summerfield, Kan. 56
Geo. Miller, Summerfield, Kan. 15
A. Eastman, Summerfield, Kan. 17
J. Ponska 15
Wm. Glenn, Summerfield, Kan. 18
Milt. Wymore, Summerfield, Kan. 20
R. Holmes, Summerfield, Kan. 31
Chas. Blue, Summerfield, Kan. 16
Geo. Hull, Burchard, Neb. 41
Geo. Hull 25
A. Ponska 21
W. E. Smith, Oketo, Kan. 21
A. Eastman 32
Ben Bell, Beattie, Kan. 21
Harve Welch, Summerfield, Kan. 15
A. Bowman, Summerfield, Kan. 16
J. Minnehan, Summerfield, Kan. 15
Smith Booker, Summerfield, Kan. 18
J. Minnehan 48
D. Smith, Summerfield, Kan. 19
J. Smith, Summerfield, Kan. 19



Cyclone Dish and Vegetable Washer

SENT ON FREE TRIAL.

Greatest Labor Saving Machine of the Age

With this machine you can wash and polish a machine full of dishes in less than one minute, and not touch your hands to the water or get a drop of water on the floor. Will not break the most delicate dishes.

Does Away With Drudgery and Saves Much Time Three Times Daily.

Unlike any other machine. Does not move the dishes, but the water is forced terrifically in and among the dishes, washing and polishing them quickly. Made in four sizes for families, boarding houses, restaurants and hotels. It will pay you to investigate the merits of this machine. Send for descriptive circulars, and our free trial plan. We pay freight.

Z. S. & L. C. Randleman, Manufacturers 1822 Des Moines St. - Des Moines, Iowa.

Agriculture

Some Advice on Farm Management.
A. M. TENNEYCK, KANSAS STATE AGRICULTURAL COLLEGE.

CROP MANAGEMENT.

In general, successful farming depends upon doing everything at the right time and in the right way. The farmer should push his work and not allow his work to push him. After a crop has been grown it should not be lost or allowed to become damaged by a little carelessness in handling or storing, through the negligence of the farmer. The quality of wheat and other grain is often seriously injured by harvesting too late, by leaving in the shock too long, by wetting or heating in the stack because of careless stacking, and by thrashing and storing damp grain, resulting in bin-burning, etc. Often wheat which might have graded No. 1 or No. 2, grades No. 3 and 4 or is rejected simply because of the neglect in taking proper care of the grain.

Much of the wheat sold grades low on account of being mixed or not pure in type. Farmers should grow well-bred, pure types of wheat, corn, and other grains. Nine-tenths of all the corn which the farmer sells grades as mixed corn because it is not pure in color. Pure white or pure yellow corn of the same quality as mixed corn will often sell for two or three cents more per bushel.

The subject of crop-breeding is now attracting great attention. It pays to breed and grow pure varieties of corn and other crops as well as to observe the same conditions in the raising of live stock. I believe that farmers should store and hold their grain longer and not sell so largely at harvest time. This practise throws a surplus of grain on the market, which usually results in low prices and less profits to the farmer, and perhaps not always greater profits to the dealer. Grain may be stored and kept for a time in small quantities with less loss to the growers than to the dealers when the same grain is bought and stored in large quantities. This is especially true with corn, much of which is sold in the fall and early winter, too damp to keep well when stored in large quantities. It is true also of wheat and other grain that when hauled from the thrashing-machine it may be too damp to store in large elevators. There is a risk to the dealers in handling such grain, hence the low prices. Also, doubtless there is a tendency on the part of the dealers to make as low prices as possible when the farmer sells the bulk of his crop. Some farmers are obliged to sell at once as soon as the crop has been harvested or thrashed, needing the money and having perhaps no suitable storage room. But this is a hand-to-mouth method of living and farming, and the thrifty, experienced farmer should make himself independent of such conditions as soon as possible.

From the results of several trials at different experiment stations, it appears that the shrinkage of grain put into the bin in good condition is very slight, and corn put into the crib in the fall fairly well cured and dry will not lose over 10 per cent in weight during the four or five winter months, the shrinkage usually being much less proportionately than the rise in price. Also, as sold in the fall, 10 to 15 per cent greater weight per bushel of ear corn is required by dealers than is required in the winter or spring.

A farmer should watch the market and take advantage to sell at the highest prices. A good seller is usually a successful farmer. Farmers should give more attention to the marketing of their products in this day of trusts and combinations. Farmers should cooperate and protect their interests in maintaining fair prices for their products. But let us urge as well that every farmer by his own efforts as well as by cooperation, seek first to prepare for the market a prime article, which on its merit will bring the highest price.

LIVE STOCK MANAGEMENT.

Sufficient live stock should be kept on every farm to consume the roughage and some of the grain produced on the farm. This is not only necessary in order to maintain the fertility of the soil, but it is necessary in order that farming may be profitably carried on.

A general farmer should raise well-bred stock, but not necessarily pure bred. In fact, he can hardly afford to raise pure-bred cattle, sheep, and hogs for the block, or pure-bred horses to

work in the field at the present market value of pure-bred animals.

The breeding of pure-bred stock is the work of the specialist. The general farmer should purchase and use pure-bred sires in his flocks and herds, and should breed his mares only to the best stallions, but he can not afford to keep a one-thousand-dollar team of pure-bred mares as work-horses, even though they may raise colts each year, when a three-hundred-dollar span of horses or mules will do the work and good grade mares will raise colts when bred to pure-bred stallions which, as a rule, will bring the average farmer as much money in the horse market as though they were pure bred.

True, if the plan of breeding only from pure-bred sires is practised long, the animals on the farm become practically pure bred, and it should be the aim of every stock-raiser to ultimately secure such a herd or flock.

It pays to give the best of care to well-bred stock. The scrub is usually kept at a loss any way, and it may not make so much difference financially what care the scrub receives, but with money invested in well-bred stock which is capable of returning a good interest on the investment with proper feed and handling, neglect becomes costly.

It is not possible here to discuss methods of breeding, feeding, handling, and marketing the several classes of live stock. For such information the reader must consult the writings of authorities on this subject.

FARM MACHINERY.

In these days of cheap machinery, extensive and intensive farming, and high-priced and scarce labor, it is essential to have enough efficient machinery on the farm to do the work well and at the proper time. The farmer can not afford to use old worn-out machinery when, for instance, the delay for a single day in harvest time, because of needed repairs for a worn-out binder, may cost the price of a binder in the loss of grain.

Although it is essential to have enough good machinery to do the work well at the right time, yet the purchase of more machinery than is actually needed is often an element of unnecessary expense, which may greatly reduce the net profits of the farmers who are improvident in this way. Buy the best standard machinery, even at the higher prices. The best is usually the cheapest. Make good use of the machinery and take care of it, both in the field and after the work is finished. Keep the bearings clean and well oiled, burrs tight, and the machine in good running condition when at work. Shed the machinery when not in use. More machinery is rusted out than is worn out. In Western United States probably less than one-fourth of the farms are provided with machinery sheds. A farmer can make no better investment in adding improvements to the farm than by building a good machinery shed.

After consulting with the manufacturers and dealers in farm machinery, with reference to the average life of harvesting machinery, thrashing machinery, etc., I have made this conclusion, that on the average farm in Western United States a farmer may make 33 per cent on the investment by building a machinery shed and properly housing the farm machinery when not in use, instead of letting it stand out in the weather as is the too common practise.

When machinery is brought from the field and put in the shed, it should be overhauled and cleaned and notes made as to what repairs are necessary. These repairs should be secured, and on some rainy day the machine should be put into proper running condition for next season's work. It is a waste of time, money, and patience to be obliged to wait for repairs for machinery when it is discovered that something is needed to put a machine in running order just as the machine is hauled out of the shed ready for the field.

THE FARM-LABORER.

Fortunately, farmers are usually blessed with large families, and the greater part of the work on many farms is done by the farmer himself, with the help of his good wife and children. Some hired help, however, must be employed at certain busy seasons of the year, and, on the larger farms, extra help is required for the whole year, or at least during a large part of the year.

The help which farmers now employ is good, bad, and indifferent—mostly indifferent. Many young men of good habits and of good education, or at least intelligent and ambitious, have started as hired men on the farms. Often they are farmer's boys from

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large families or sons from the families of the neighboring villages. These make good hands, but they soon pass on to farming their own farms or to college or into business or professional life.

Another class of farm-laborers, and this includes the larger part of the laborers upon whom the farmers must depend, consists of men who are farm-laborers because they can not be anything else. They have little or no ambition and are often ignorant and sometimes of evil disposition, with irregular habits and of a more or less roving nature. A large part of them are single men, but occasionally such laborers have families in neighboring towns and work about for the farmers in the surrounding country. This class of laborers is usually bad or indifferent.

A third class of farm-hands is made up of the traveling laborers, who move about from place to place during the harvest season. Some of these hands are men of good character who wish to do an honest day's work. They may be taking their college vacations this way, or they may be farmers' boys from other sections of the country who have come to help do the harvesting of another section. Also, there are among these men of roving disposition who are continually moving about from place to place and never settle down, living part of the time in the town or city and going to the country to work only during the time when laborers are scarce and wages high.

Of course such laborers are needed, and farmers will always require extra help in harvest time, but the farmers also need the efficient, steady help of men who have settled to the business of farming as a vocation for life.

We must all work for a living, and a large part of the people will, in the future as they have in the past, work for wages, in carrying on the business of the world, and there are plenty of men who would be as contented to spend their lives as farm-laborers as to live in the city and labor in the shops and factories, provided they could have comfortable homes for themselves and families in the country. In my judgment this is the solution of the "Hired Man on the Farm" question, namely to provide homes for the laborers and employ them by the year rather than for a few months at a time. By following out the plans for the farm-management mentioned in this discussion, including the rotation of crops and the raising of stock on the farm, men may be profitably employed the year around, and the distribution of the work throughout the year will make the employment of a large amount of extra labor at harvest time, when labor is scarce and wages high, less necessary; also, the farmer himself will be more regularly employed and there will

be less waste and a more economical use of time.

This method of employing laborers by the year and of furnishing the workmen homes in which to live will also settle the question of help for the farmer's wife. This will be supplied by the children of the laborers employed on the farm, who, having no direct employment at their own homes, will be glad, in order to earn something for themselves, to assist in the homes of their employers; also, the boys in the laborers' families will be handy help about the farm during the busy time of the year.

How to Keep Pumpkins.

I have a nice lot of pumpkins which I desire to keep till spring. Can any one tell me through the columns of *The Kansas Farmer* the best method? How would they keep by covering them with straw of old hay and then with dirt.

E. BURTS.
Squashes can be kept until spring or longer, if they are handled with care and properly stored. They should be gathered in the fall before frost, preferably as soon or shortly after they are ripe. In picking, the stem should be left on the squash or pumpkin. Immature squashes should not be used. After picking, they should be left in the field a short time—one or more days—so that the stem will dry. Extreme care should be used in handling, hauling, and storing them so that they will not be bruised. If the skin or rind is broken, decay is almost certain to occur. They should be hauled on straw or hay, and preferably in a wagon box set on springs. They should be stored in a dry room. They will keep well at a temperature of 50 to 55 degrees. Place them on shelves off the ground. Do not pile them deeper than two layers; one layer deep is better. It is well to look them over occasionally and pick out those that may be beginning to decay. The storage of pumpkins and squashes is a worthy undertaking. They are both valuable and highly prized vegetable. Success in storing is mainly dependent on care in handling, and a warm, dry room for storage.
ROBT. E. EASTMAN.

BLOCKS OF TWO.

Every opportunity to do a favor to a friend or neighbor should be improved. The subscription prize of *THE KANSAS FARMER* is \$1 per year. It is worth the money. But the publishers are extending the circulation rapidly by means of their blocks of two proposition. It is this:

Every old subscriber on sending his dollar for renewal is authorized to send the name and address of some one not now taking *THE KANSAS FARMER* and the dollar will pay for both subscriptions for one year. Address, *The Kansas Farmer Company, Topeka, Kans.*

Stock Interests

Gossip About Stock.

Roberts and Harter, of Hebron, Neb., have some fine Duroc-Jersey boars left. Write them if you want a good one.

If you want a Shetland pony write C. R. Clemons, Waldo, Kans. He has some good ones and his prices are right.

T. L. Livingstone, of Burchard, Neb., is offering Durocs to readers of THE KANSAS FARMER on what we think is a pretty good proposition. Look up his advertisement in the list of Duroc breeders and write him.

If you want to save your little pigs, it will pay you to invest a dollar in a box of Anti Scour. It is a sure preventive and cure for the dreaded malady, and no one can afford to be without it. See the advertisement in this paper.

James Holmes, proprietor of the Plainview herd of registered Poland-Chinas, has made an important change in his ad regarding some of the get of Perfection 104917, a son of G's Perfection 32992. Mr. Holmes has no pigs sired by Grand Perfection.

If you want a boar to head your herd, it will pay you to write Howard Reed, of Frankfort, Kans. His Spring Farm type of Polands are becoming widely and popularly known everywhere, and one of them will please you. Write him now and let him price his stuff to you.

H. W. Steinmeyer, of Volland, Kans., has a number of spring boars for sale, sired by Egypt Lad. Mr. Steinmeyer has been a very successful breeder of Duroc Jerseys and his stock has always given satisfaction wherever sent. Write him and mention THE KANSAS FARMER.

C. W. Merriam, owner of the celebrated Alysdales herd of Shorthorns, Topeka, Kans., says that he has six Shorthorn bulls that are all right in every way for buyers. The Kansas Farmer readily concurs in the statement that the bulls are all right, so, too, is Mr. Merriam all right.

John W. Jones, of Concordia, Kans., has the honor of breeding the sire of all the first-prize winning Durocs under a year old at the American Royal this year. We consider this quite an honor, but Jones and Son don't breed anything else but good ones.

American Poland-China record, volume 42, for the year 1906, has been received at this office. It contains the pedigrees of boars from number 101903 to 105231 and of sows from 256002 to 262508. It also contains a list of the stockholders of the American Poland-China Record Company and the names of the officers and directors for 1906.

W. L. Vick, of Junction City, Kans., still has a number of fine spring boars which he is pricing reasonable. Mr. Vick is one of the leading Duroc breeders of Kansas and his spring pigs by Vick's Improver 47385, Red Top 32241, and Fancy Chief 24923 are good enough to suit any one. Write Mr. Vick and tell him you saw the advertisement in THE KANSAS FARMER.

W. A. Prewitt, of Asherville, Kans., realized fair prices for his Poland-Chinas at his sale last week. The offering consisted of 45 head and the quality and excellent condition of his offering created a good demand and the average on the entire lot was about \$22.00 per head. Mr. Prewitt has a few more left which he will sell at private treaty. Write him.

W. W. Waltmire, whose sale advertisement appears in this issue, had a great herd at the Missouri State Fair and Carthage Fair that were admired by all lovers of really good hogs of any kind. The same quality and breeding is characteristic of his sale offering. Many of them are sired by his Missouri State Fair 1906 grand champion. Get catalogue and attend the sale or send your orders to auctioneer, Jas. W. Sparks.

On Tuesday, October 30, James Mosher, of Rydal, Kans., will sell about 40 head of hogs, they being the tops of his herd. Mr. Mosher is one of the oldest and best breeders in Kansas and his animals took away most of the prizes at the Belleville fair this year. Any one needing a good herd-header would do well to write for his catalogue and arrange to attend the sale.

The picture of the little jack colt shown on page 1080 of our issue of October 18 is that of the sweepstakes jack of the Missouri State Fair. This colt was only four weeks old at the time he won this prize, and was shown by Moore Bros., Atkinville, Mo. He was sired by Orphan Boy, the World's Fair champion jack, bred and owned by Louis Monsees, Smithton, Mo.

A breeding crate is as indispensable to the hog-raiser as are the hogs themselves. The risk you run can be entirely done away with if you own a good crate and the best one we know of is Garrison's of Beattie, Kans. He has sold hundreds of them all over the country, and everywhere we have seen them used, the owner has pronounced them the best on the market. Get one and have it ready for the breeding season.

O. B. Smith's sale at Cuba, Kans., October 31, will be one of the leading sales of Northern Kansas this year. The offering will consist of 45 head of top-notch stuff, including 21 boars, 18 gilts, and 5 summer and fall yearling sows that are the equal of anything we have seen this year. Twenty-four of the offering are sired by Keep Coming 84888, one of the best sons of Keep On, and several of them by Jumbo

U. S. 21760, a very large, smooth hog that will weigh 850 pounds in ordinary condition. Arrange to attend this sale or send bids to THE KANSAS FARMER fieldman.

T. P. Whittenburg, Pleasant Hill, Mo., writes as follows: "At Kansas City, November 1 I sell 2 Hereford cows in the McGavock, sale that are hard to beat for a money-making proposition. They are both safe in calf to top bulls, and the breeding on both sides is most all Anxiety. They are just off the grass, and I know they can't help but do the man good who buys them. Please send for catalogue and come to sale.

Through the absence of one of our editors the picture showing the exhibit of jacks from the famous Limestone Valley Farm of Louis Monsees & Son, Smithton, Mo., as printed on page 1081 of our issue of October 18, was unfortunately misnamed. This is not a show of mules at all, but a photograph of a string of the most famous and high-quality jacks in the United States. We regret that the portrait should have been labelled mules instead of jacks.

On Monday October 29, Ben Bell, Reattie, Kans., will sell 50 head of the select animals from his great Poland-China herd. Mr. Bell has one of the largest herds in Kansas and the animals, which he will offer in this sale will weigh about 250 pounds each on sale day. The majority of them are sired by Bell Metal, a son of old Expansion and one of the best boars in Kansas. If you have not already sent for Mr. Bell's catalogue, do so at once and arrange to attend the sale or to send a bid to the fieldman.

Dr. O. L. Kerr, the breeder and showman of the famous Kerr Dick and Big Mary World's Fair winning Poland-Chinas, is including in his November 2 sale at Independence, Mo., his Missouri State Fair and Kansas City Royal winners and there are a lot of them. The balance of the offering would have shared in the division of spoils had they been in these shows, all possessing the quality and merit of those selected for the exhibit. All are full of the above-named World's Fair winning blood. The catalogue is instructive and awaits your request. Send for it and be represented at the sale either in person or with bids in the hands of John D. Snyder or the other auctioneers.

Leon Calhoun writes that the selected lot of pigs he is selling October 30 are doing fine and it is to be expected that some of the greatest individuals sold at auction this year will be found in this sale, as nothing but the tops of his best litters are catalogued. Mr. Calhoun has been one of the best buyers in the business for the last year for really good ones, and has succeeded remarkably well in producing the kind he likes so well to buy. He has reserved the choice of his entire season's crop for this sale, and parties looking for herd-headers or choice gilts should send at once for catalogue and arrange to attend or have one of the auctioneers look after their interests. Buy for them a herd-header or some choice gilts to add to their herds or to their brood-sow sales. Address Mr. Calhoun, Potter, Kans., for catalogue. The sale will be held at Atchison.

Zimmerman, McGrew and Mitchell's catalogue is at hand and we find the dam of the Royal Champion, Peerless Perfection 2d, (owned by H. E. Lunt) catalogued, also, two full sisters to him, a fine litter out of On 2d, considered by the great On and On 2d, considered the greatest pig of the 1905 Kansas sales and the highest priced boar pig to sell at auction in the State last year. A number of choicely bred sows and gilts are either bred and safe or sold with breeding privilege to this great boar, Peerless Perfection, Truant Boy, and Chief Perfection 3rd. They are by above-named boars. On and On, and Chief Perfection 2d, and include such noted individuals as Goldies Last Perfection, Black Chief's Flower (who sells with a great On and On 2d litter), Chief 2d Lady that topped the W. J. Honeyman 1905 sale, and a number of others in the same class, which we would like to mention but space forbids. The catalogue tells all. Get it and come to the sale or send some bids to Jno. D. Snyder who will buy in your interest. Mention THE KANSAS FARMER when writing for catalogue.

Jno. Wiswell, Columbus, Kans., has for his combination sale some fine Percheron stallions listed that are extra well bred and possess the size and draftiness demanded by buyers of stallions. The jacks are a well bred lot, many of them extra good individuals. The trotting bred and driving horses are especially good in breeding and conformation. The sale will be held at Columbus, Kans., November 3, 1906, and all interested can yet get a catalogue and arrange to attend the sale. Any one contemplating the purchase of either a stallion or jack should have at once a catalogue and handlers of such stock should arrange to attend as no doubt some of the young things can be bought at a price that would pay well for developing them, and the mature stock will no doubt sell for enough less than they would in the spring to pay well for the wintering.

Col. Ed Green, who has long been known as an exhibitor and breeder of very high-class Shorthorn cattle, is nicely located on his 1,200-acre ranch near Florence, Kans. While he is an old-time exhibitor of Scotch Shorthorns and has a large number of ribbons that he has won in the greater fairs and expositions of the country, the writer believes that he now has better Shorthorns than he ever had before. This same remark applies to his Shropshire sheep and his Berkshire swine. Col. Green formerly lived at Morrison, Col., and will be remembered for the magnificent display that he made of Shorthorns, Shropshires, and Berkshires at the Kansas State Fair. Owing to ill health the Colonel did not take his

show-herd out this year, but they are on inspection at Green Dale Farm where he will be glad to meet visitors and answer inquiries.

H. W. McAfee, of Prospect Farm, near Topeka, brought home with him from the Hutchinson State Fair one of the finest mules the writer ever saw in Kansas. This mule was bought to match with one already on the farm. Since that time Mr. McAfee has bought the first-prize team of mules at the Kansas State Fair and added them to his field force. These mules weigh 1240 to 1260 pounds respectively. This is the third team of prize-winning mules that Mr. McAfee now has on Prospect Farm, the total cost of which was \$1600. Mr. McAfee is enthusiastic over these teams because he says he can not only get the best of service from them, but can sell them at any time for more money than they cost him.

The National Stockman says: "The demand for pork this year has astonished even the most sanguine friends of the hog. Both fresh and cured meats have been taken in large volume right along at prices which were so high that they were expected to check consumption. There are three reasons why this condition has existed and still exists. First is the prosperity of the South, a large consumer of cured meats. The Southern trade was never larger than it is to-day. Next is the growing foreign trade, which like our own seems to proceed regardless of prices. And, finally, the people of this country have learned to eat bacon. Its consumption is unprecedented in our history, and is still growing. There has been no shortage in numbers of hogs, but a vastly increased demand. This is why prophecies based on hog supplies have failed and are likely to fall in the future."

John W. Jones & Son, Concordia, Kans., have purchased Shorty Orion 17529a to head their great herd of Durocs. This is one of the finest boars that ever came to Kansas, and at the Illinois State Fair this year he was the first-prize boar under 12 months; sweepstakes boar under one year, and he stood at the head of the first-prize young herd, first-prize herd bred by exhibitor, first-prize herd of produce of sow, and first-prize herd as get of sire. This young ribbon-taker was bought by Mr. Jones at the longest price ever paid for a boar of the same age, and he is to be congratulated for placing such an animal at the head of the Famous Fancy Herd. Mr. Jones bred, raised, and sold the boar that sired the first-prize boar under twelve months, the sweepstakes boar under one year, the first, second, and third prize boar under six months, the first and second prize gilts under six months, the herd that won first in class, as get of sire, and also produce of sow, the first-prize herd bred by exhibitor, and the herd that won first under one year at the Missouri State Fair this fall. This hog was Nevada Prince, and he won with his get in most all of these classes at the Kansas City Royal. If you want something good in bred hogs, write to John W. Jones & Son.

We observe by the circular price list of the Northwestern Hide & Fur Co., just received, that green salted hides are bringing 13c, and fresh green 12c, which are the highest prices ever known. We likewise see by looking at the report from various wholesale centers, that cattle are about as low as ever was known. Taking as an example the South St. Paul market, the various sales range from poor to the choice cows and heifers from \$1.50 to \$3.00 per hundred pounds. From this has to be deducted freight and commission. The average will be about 2c on foot. The net results of shipping to other markets would be about the same. Veal calves range from \$2.00 to \$5.75, average about 4c. That makes a cow hide worth about six times as much per pound as the whole cow and four times as much as the calf.

It is not many years past that hides were worth but about twice as much per pound as cattle were on foot. Surely there is something wrong. While it is likely that with the advent of cold weather that the prices of hides will decline one or two cents, owing to the increase coming to the market, even then they would be five times as high as beef. It is evident that it will pay the farmer far better to slaughter his cattle at home, eat what he can and sell the rest to his neighbors and ship his hides and tallow to market, rather than to ship his cattle or sell to others who do. Besides that he will have the satisfaction of keeping the beef trust from getting most all there is in his cattle.

There are few things more aggravating to the farmer than to see his crops which have cost him so much time, labor, and money injured or destroyed by pests. One of the worst of pests that infests our Western farms is the gopher, and many have been the ways and means devised for his extermination. It is difficult to estimate how much damage a family of gophers will do in an alfalfa-field or when working on other crops. The man who devises a way or means for getting rid of this pest is a personal friend to each and every farmer. Flint Saunders of Lincoln, Kans., is the lucky man who has solved this problem. If you will note his advertisement on another page and write him, he will show you the means by which your troubles, on account of the gopher pest, will be over. This is a very important matter and like all important matters should receive immediate attention. Write at once and save money.

Editor's Note.—By an oversight the wrong name was inserted in this notice last week. Ford Skeen, whose name was used last week in place of Flint Saunders, is a prominent Duroc Jersey breeder of Auburn, Neb., who is advertising three very fine herd-boars for sale in this paper.

A fight is now in progress against the return to Congress of Hon. James W. Wadsworth, of New York. Mr. Wadsworth is known as a farmer Congress-

LOFTIS SYSTEM ON CREDIT Diamonds For Christmas Presents. The Merry X'mas time draws near, and with it comes thoughts and plans for bringing happiness to our dear ones by a loving remembrance. The Loftis System at X'mas Time is a great convenience to thousands. It enables persons in all circumstances to make beautiful and appropriate Christmas Presents with a small cash outlay. Why give a cheap, ordinary Present, when with five or ten Dollars for a first payment you can give a beautiful Diamond or Watch. Think of this carefully and write today for our Big X'mas Catalog and let us explain in detail the Loftis System. Our Big Christmas Catalog is replete with 1000 illustrations of beautiful Jewelry suggestions for Christmas Presents, taken from our enormous Christmas stock. Send for a copy today. Select the article you desire and we will send it to you subject to examination and approval. You are perfectly free to purchase or not, we take all risks, and pay all express charges. Upon careful examination it meets with your approval, retain the article paying one fifth the purchase price on delivery, balance in eight equal monthly payments. Send today for our Special Christmas Catalog. Do Your Christmas Shopping Now conveniently and leisurely in the privacy of your own home. Don't wait until the Christmas rush is on. Now is the time to make first and choice selections. Write Today for Catalog. Diamond Cutters Watchmakers, Jewelers Dept. 1208 92 State St. CHICAGO, ILL., U. S. A. LOFTIS BROS & CO.

man. He has been vigilant in defending and promoting farmers' interests, as he views them. On the oleomargarine question he has been with the beef-producers. On the question of the expense of inspection of packing-houses, he thought it ought to be met by the Government, knowing that if saddled upon the packers, it would eventually and very soon be charged back upon the farmers. Mr. Wadsworth is a useful member of Congress and should be returned by a big majority.

- Farmers' Institute Schedule. Oct. 26-27—Council Grove; TenEyck, Mrs. Calvin, Popenoe. Oct. 26-27—Altamont; Miller, Martin, Erf. Oct. 29—Erie; Miller, Martin, Erf. Oct. 30—Girard; Miller; Martin, Erf. Oct. 30—Moran; Erf. Oct. 31. Nov. 1—Fort Scott; Miller, Martin, Erf. Nov. 1-2—Paola; Miller, Martin, Erf. Nov. 2—(?); Miller, Martin, Erf. Oct. 29-30—Norton; TenEyck, Mrs. Calvin, Kinzer. Oct. 30-31—Phillipsburg; TenEyck, Mrs. Calvin, Kinzer. Oct. 31. Nov. 1—Smith Center; TenEyck, Mrs. Calvin, Kinzer. Nov. 1-2—Mankato; TenEyck, Mrs. Calvin, Kinzer. Nov. 2-3—Belleville; TenEyck, Mrs. Calvin, Kinzer. Nov. 7-8—Clyde; Shoemith, Wheeler. Nov. 8-9—Clay Center; Shoemith, Wheeler, Miss Dow. Nov. 7-8—Lincoln; TenEyck, Mrs. Calvin, Burkett. Nov. 8-9—Abilene; TenEyck, Mrs. Calvin, Burkett. Nov. 12-13—Washington; TenEyck, Mrs. Calvin, Dickens. Nov. 13-14—Blue Rapids; TenEyck, Mrs. Calvin, Dickens. Nov. 14-15—Seneca; TenEyck, Mrs. Calvin, Dickens. Nov. 15-16—Hiawatha; TenEyck, Mrs. Calvin, Dickens. Nov. 16-17—Troy; TenEyck, Mrs. Calvin, Dickens. Nov. 19—Great Bend; Miller, Popenoe. Nov. 20—Sterling; Miller, Popenoe. Nov. 19-20—Holton; TenEyck, Mrs. Calvin, Erf. Nov. 20-21—Oskaloosa; TenEyck, Mrs. Calvin, Erf. Nov. 21—Darlow; Miller, Popenoe. Nov. 21-22—Tonganoxie; TenEyck, Mrs. Calvin, Erf. Nov. 22—Wellington; Miller, Popenoe. Nov. 22-23—Ottawa; TenEyck, Mrs. Calvin, Erf. Nov. 23-24—Garnett; TenEyck, Mrs. Calvin, Erf. Nov. 23-24—Arkansas City; Miller, Popenoe. Nov. 26-27—Beloit; TenEyck, Burkett, Wheeler. Nov. 27-28—Minneapolis; TenEyck, Burkett, Wheeler. Nov. 26-27—Iola; Miller, Popenoe, McCormick. Nov. 27-28—Burlington; Miller, Popenoe, McCormick.

- SOUTHWESTERN SANTA FE SERIES. Nov. 5—Svracuse; Miller, Carleton. Nov. 6—Johnson; Miller, Carleton. Nov. 7—Richfield; Miller, Carleton. Nov. 8—Hugoton; Miller, Carleton. Nov. 9—Ulysses; Miller, Carleton. Nov. 10—Santa Fe; Miller, Carleton.

- UNION PACIFIC SERIES NO. 2. Nov. 7—Lucas; Dickens, Elling. Nov. 8—Waldo; Dickens, Elling. Nov. 9—Natoma; Dickens, Elling. Nov. 10—Plainville; Dickens, Elling.

"DRY LAND" INSTITUTES, NOV. 5-10. A series of farmers' institutes of more than usual importance is now announced by the Kansas Agricultural College, touching six of the extreme southwestern counties of the State, with the following appointments: Monday, Nov. 5, Syracuse. Tuesday, Nov. 6, Johnson. Wednesday, Nov. 7, Richfield. Thursday, Nov. 8, Hugoton. Friday, Nov. 9, Ulysses. Saturday, Nov. 10, Santa Fe. Mr. M. A. Carleton, of the United States Department of Agriculture, will assist in these institutes, talking on "Dry Land Farming." Such a series of meetings ought to do a great deal of good, and THE KANSAS FARMER hopes they will be well attended.

WANTED

A gentleman of ability and resource, with \$500 to \$1000 to represent a firm of mining engineers who have 25 years record for successful and honest enterprises. A straight bonafide and very profitable opportunity to the right man. We will give highest references and also expect them in return. We want the right man to write us and learn what our proposition is. Mining in Nevada is tremendous now and unheard of in the history of American mining. Nevada mines are producing millions and every day fabulous discoveries are being made, and the public which has so long refused to recognize the supremacy of mining is coming back in large numbers. Remember we are in the mining business as experts both in theory and practice and know what a mine is. Why should we trifle with a hole in the ground, when we are here right in the spot and have our own crews of engineers and prospectors in all the important camps? Will it pay us to fool the public? Won't it pay us to make the public profit on their investments? Just write us and we will explain the situation and what facilities we have. The Directors in nearly all the banks in the United States seeing the tremendous profits accruing from Nevada mines and mining stocks are loaning out depositor's money, making extraordinary profits, while the depositor must be satisfied with a 3 per cent. Does it ever strike you why some people steer away from the most profitable business in the world. Because they don't think. For the people who are doing the hollering against mining are those who after having read an attractively worded prospectus, rushed bareheaded and coatless to the bank, bought a draft and mailed it by special delivery, for fear his money would not arrive there in time. WOULD YOU BUY A LOAD OF PIGS IN THIS WAY? One does not buy a hardware store without examining the book and investigating the trade. Now there is more money in one year's mining in Nevada than most ordinary mortals can make in 100 years by hard work. It is for you to investigate our record and we can show you why you are protected simply because you are dealing with people who know the business from A to Z, and have a long record for safeguarding interests. Our interests are now so large that we must have cooperators and are willing to share our mines on equitable basis. Write for particulars to B. Dignowity Exploration Co., Reno, Nevada.

Heart Weakness.

Dr. Miles' Heart Cure has made many hearts well after they have been pronounced hopeless. It has completely cured thousands, and will almost invariably cure or benefit every case of heart disease.

Short breath, pain around heart, palpitation, fluttering, dizzy, fainting and smothering spells should not be neglected. Take Dr. Miles' Heart Cure and see how quick you will be relieved.

It cannot make a new heart, but will restore a sick one by strengthening the heart nerves and muscles, relieving the unnatural strain, and restoring its vitality.

"I had a very bad case of heart trouble. For six months I could not work. Last July I was plowing corn and feeling bad all day; in the afternoon in plowing one row I had to lay down, or fall down, three times. My heart throbbed as though it would burst through, and I had difficulty in getting my breath. I purchased a bottle of Dr. Miles' Heart Cure, and before I had used half of it I could lay down and sleep all night. Previously I had to get up from five to ten times a night. I have taken several bottles, and my heart is as regular as clock work. I feel like a new man, and can work considerable for an old man, 84 1/2 years old."

H. D. MCGILL, Frost, Ohio.

Dr. Miles' Heart Cure is sold by your druggist, who will guarantee that the first bottle will benefit. If it fails he will refund your money. Miles Medical Co., Elkhart, Ind

\$600 IN TWO MONTHS Write for free booklet

Capt. Jones of Kansas hauled 14 tons of hay with one mule in 12 hours. He made \$600 in two months with

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Two horses bale 15 tons in 10 hours. Can't smash feet. Fed with a fork, feeder does rest. Auto-Fedan Hay Press Co., Box 1084 Topeka, Kansas.

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Send your orders quick.

ORANGE LILY cures Weakness, Ulcerations Displacement, Painful Periods For a free trial address Mrs. H. F. FRETTER, Detroit, Mich.

Horticulture

The Beet-Sugar Industry in Kansas.
GEO. B. HARRISON, IN SEPTEMBER QUARTERLY OF THE KANSAS STATE BOARD OF AGRICULTURE.

THE LABOR QUESTION.

A farmer who raises sugar-beets extensively will need dependable help. German-Russian, Japanese, and Mexican laborers are mainly employed in Western Kansas. The sugar company makes a special effort to see that the growers are furnished with help, as this is otherwise likely to be a harassing problem of beet-culture. The Garden City company brought in a large number of laborers early in 1906, and is well prepared to handle this phase of sugar-beet growing.

An arrangement which is growing in favor around Garden City is a contract between farmer and helper to do the necessary work, from thinning to harvesting, at twenty dollars an acre. A German-Russian workman and his family can care for a considerable acreage and secure a better income than for an equivalent time in a city. Ellis County and Topeka, Kans., and Lincoln, Nebr., have contributed a large number of laborers for the Arkansas Valley beet-fields from their colonies of German-Russian. Some will remain as permanent settlers and others return to their former homes after harvest and work in the railroad shops or at other town labor until the beet-season calls them again.

As the sugar-beet industry develops in Kansas, the labor questions will tend to become more complex, especially where beets are grown in localities without large towns. The manufacturer and the railroad will, no doubt, take a large share of the burden from the grower, since it is so clearly to their interest to do so, but at a certain point the service of the State can be of great aid. A desirable class of foreign farm labor is procurable, but under present immigration laws an individual or corporation can not set forth the opportunities and bring immigrants over for the specific purpose of settling on or working the beet-fields. This is allowable when conducted by a State. It is not probable that the better class of farmers from the beet-growing district of Germany will contribute any number of settlers to similar sections of the United States unless their local conditions should materially change, and this is not probable in the near future. As Edward C. Post, of Michigan, a keen observer of foreign and home tendencies, puts it, "The German farmer runs the government over there now, and hence has no need to go elsewhere." But there are large numbers of small farmers, peasants, and farm laborers abroad who would make a class of immigrants greatly to be preferred to a majority of those now thronging Ellis County. At least seventy-seven per cent of the immigrants we receive remain east of the Alleghenies. Some take rank among our ablest citizens, but a great many colonize in city tenements and make a fester in our civic progress.

To raise the standard of immigration and distribute the immigrants more equally over the country are matters which demand attention from every citizen—the farmer and the business man of the large city alike. Sugar-beet farming, particularly where irrigation is practised, offers opportunities to solve some vexatious phases of the immigration problem.

Where beets are grown within easy reach of a large town or a city, school children afford a mutually profitable supply of labor. They can do certain parts of the work as well as or better than men, and the school vacation makes them available at an opportune time. As the beet-sugar area comes further east, this situation will assume more importance in Kansas, for it has not as yet become a factor.

The labor supply, while a very important feature, should not deter the prospective beet-grower, for a number of important interests combine to relieve him of embarrassment, and the matter is reasonably sure to be well looked after.

COST OF BEET-CULTURE.

Cost estimates in agriculture are frequently deficient, and this is commonly true in beet-growing. If the American farmer is to realize all possibilities in raising sugar-beets, he will do so through his ability as a superintendent and not as a drudge. A great value of beet-growing is that it demands as high executive and managing abil-

ity as any town business, and by its compensations therefore sooner or later raises the general level of farming. So when cost is considered it should be from the start on a thorough basis, including a fair estimate of the owner's time, interest on his land value, etc.; and, just as in department charges of factory costs, the beet-field should bear its share of the general charges. If beet-farming is not taken hold of along this line, it may still pay good profits, but it will not be a success, for the farmer will probably continue to raise ten or fifteen tons to the acre when he should be increasing his yield to thirty-five tons.

The following average estimate of the cost of beet-raising in the Arkansas Valley in Kansas is, therefore, not as high as the total may make it seem. It is figured on land worth from \$75 to \$100 an acre, within two miles of the factory or dumping-station:

	Per acre.
Plowing.....	\$1 00
Seed, 20 pounds.....	2 00
Planting.....	50
Burrowing and thinning.....	4 00
Hoing and cultivating.....	10 00
Harvesting and topping.....	8 50
Interest on land, irrigation, hauling, general charges.....	9 50
Total.....	\$37 50

The owner's time is mainly figured in the care and general items. Variations in this estimate on crops, with a fair wagon haul, are likely to be under the foregoing figures. As a general rule, the value of seven tons may be figured as the cost basis.

WHAT IS A STANDARD YIELD?

It follows that the better tonnage the grower can obtain, the larger his profit will be. This does not mean that he must work for large beets, for by doing this he is harming the industry instead of furthering it. Large, pithy beets are not workable at the factory. It is a common fault in a new beet district to grow beets for size, sacrificing sugar content and purity coefficient.

Beets grown for manufacturing purposes should taper well and weigh not more than five to seven pounds, including crown and leaves, and preferably less than that. The ideal topped beet is placed at two pounds, but the factories handle much larger roots. A large tonnage may be raised without including any oversized beets. The grower should not lose sight of the fact that his interests in preserving his market demands that he produce the best results for all concerned; accordingly, late irrigations or other practices which lower quality are poor policy.

The average yield in tons per acre in the Garden City district this year is probably twelve to fifteen. The average for the United States was 8.67 tons per acre in 1905. A favorable season and careful, experienced growing should in time bring the average in the Arkansas Valley (Kansas) region to more than twenty tons to the acre, with a high sugar content and purity coefficient. Theoretically, the perfect stand is forty-three tons, or more than double that amount. Surely it is not too high a standard, although not to be reached without a due combination of experience and intelligence. Land, water, and market are there; results depend upon the man.

DISEASES AND INSECT PESTS.

Beet-growing in Kansas has so far been comparatively free from ravages by diseases or insects. With the exception of curly-top in 1903, due to abnormal climatic conditions, and not recurring, no extensive trouble has occurred.

Some crown-rot has been noticeable near Garden City. This is caused by a fungus (Phoma) which attacks the leaves and crown, rotting the upper part of the beet and withering the leaves. The fungus may come from other crops, and may possibly have been placed on the land by manuring. A remedy inexpensive enough to be entirely satisfactory has not yet been definitely determined, although the experiments now being carried on by the Bureau of Plant Industry of the Department of Agriculture promise a method of checking this disease by next season. Other diseases which afflict beets have not appeared in Kansas.

Beets are subject to attacks by some insects common to other plants. Alfalfa and sugar-beets make a balanced ration for grasshoppers, a pest which should be warred on early. They preempt weeds along the ditches and on the edges of fields. Turkeys, poisons, and "hopperdozers" have been the successful means of extermination, although prevention by fall plowing, winter irrigation, or winter or early spring disking is still more advisable. It is more satisfactory to kill the eggs be-

First Aid to the Bowels

WHEN Heartburn, Sour Stomach, Headache, Bad Breath, coated Tongue, Belching of Stomach, Gas, or any of these forerunners of Indigestion appear, Old Dr. Cascaret wants to be right on the spot in your pocket.

Dr. Cascaret guarantees to cure the most obstinate cases of Constipation and Indigestion, without discomfort or inconvenience.

His medicine does not gripe nor purge, but exercises naturally the muscles that line the walls of the Intestines and Bowels.

Want of Exercise weakens and relaxes the Bowel-Muscles, just as it weakens Arm and Leg muscles.

Old Dr. Cascaret goes directly after these Bowel-Muscles. He wakes them up just as a cold bath would wake up a lazy person.

Then he works them (through the nerves) till they get so strong from that Exercise that they don't need any more help to do their duty.

Heavy dinners, late suppers, whiskey, wine or beer drinking, nervous excitement, sudden exposure to cold or heat and a dozen other everyday likelihoods tire the Bowel-Muscles.

In such cases a little Cascaret in time is worth fifty dollars worth of Treatment later on, to say nothing of the suffering, discomfort, loss of Business Energy, and loss of Social Sunshine it saves.

Little thin Cascaret Box, shaped so you don't notice its presence in purse or vest-pocket.

Contains six Candy tablets—Price Ten Cents a Box at any Druggist's.

Be sure you get the genuine, made only by the Sterling Remedy Company, and never sold in bulk. Every tablet stamped "CCC."

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Everyone who grows fruit, whether a large commercial grower, or one who has only a few fruit trees, a berry patch or a garden, should be interested in knowing how to get the most profit from his crops.

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ST. JOSEPH, MISSOURI

is the only magazine in America which is devoted exclusively to the interests of those who grow fruit. It is handsomely illustrated, and contains from 56 to 76 pages each month. It tells all about fruit of all kinds—and nothing but fruit—how to market, how to pack, cultivate, spray, prune, how to MAKE MORE MONEY from your crops. Sample copy will be sent free. Regular price is a dollar a year, and each subscriber is entitled to a choice of any one of our series of ten "Brother Jonathan" Fruit Books—the best in existence.

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None better, even at the high price. Special bargains SEEDS, 10 pkts. Annual Flowers, 10; 5 pkts. Vegetables, 10c. PLANTS, 5 boxes, \$5; 5 boxes, \$5; 5 boxes, \$5; 5 boxes, \$5. My catalog prices will surprise you. Catalog and packet Royal Giant Potatoes free.

C. Anderson, Columbus, Nebraska.

YOUNG MEN WANTED

To learn telegraphy. Write J. G. TIGHE, care of Santa Fe Railway, Arkansas City, Kans.

ore hatching than to deal with the hoppers themselves. If there are any "turkey-farmers" in the community they are always glad to let their turkeys range in the alfalfa. Poisoning is best done early in the morning, when the hoppers first come out to get the warmth of the sun. A mixture of 100 pounds of bran, 8 pounds of sugar, and 2 pounds of Paris green scattered where the hoppers are most in evidence will be effective. It is frequently advisable to disk a strip on each edge of the beet-field and then to drop the mixture on the strip. A mixture which has recently given satisfaction for grasshoppers in California beet-fields is composed of 5 pounds of arsenic in 10 pounds of bran, moistened with 2 gallons of molasses. Clean fields in the summer and fall and ditches unfringed with weeds will go far toward preventing too many grasshoppers the next year.

If the hoppers should become so numerous that ordinary means against them fail, a "hopperdozer" is the best thing. This can be made by any farmer at a cost of about five dollars. It was successfully used near Rocky Ford last year by a number of farmers. The dozer is described by its designer, Mr. E. K. Blinn, of the Colorado Experiment Station, as follows: "The bottom of the pan was a sheet of No. 24 galvanized iron, 30x96 inches, the size of sheets usually carried by hardware dealers. This bottom was nailed with common six-penny nails to a frame made of 2x4's that was 24x96 inches in size, and being the same in length as the sheet of iron, but six inches narrower, which allowed about three inches to be turned up and nailed to the outside of the frame on each side. This made the pan more secure. To prevent leakage a strip of tow candle-wicking was nailed beneath the iron between two rows of nails. A coat of paint completed a water-tight pan twenty-four inches wide inside by eight feet long. To the ends of this pan were bolted sled-runners four feet long, cut from a piece of 2x10. The runners were so placed as to carry the pan about four inches above the ground. Four small ten-inch cast wheels bolted near the ends of the runners supported them only one and one-half inches and steadied them over rough places. They lightened the draft and allowed the pan to be drawn over the hay without catching and dragging it.

"By hitching a horse in front of one runner with a short rope, and with a longer rope from the other runner hitched into the hame staple of the harness, the wheels will carry the dozer at right angles and entirely to the side of the horse, thus preventing the hoppers from being frightened away from in front of the advancing pan. At the back of the pan is a light frame three feet high secured by uprights that are braced in front to the runners. Over this frame is stretched a sheet of white table oilcloth with the smooth side to the front. Every grasshopper that hits the smooth surface of the oilcloth screen falls into the pan, which is filled with about two inches of water and about a pint of kerosene oil on the surface. The lower edge of the oilcloth is nailed with strips to the inside of the pan at the back to prevent slipping."

The "hopperdozer" was used in alfalfa by following the mower and also with success over uncut fields. In this way the insects can be killed when alfalfa is cut and before they can do harm to an adjoining beet-field.

The web-worm and cut-worm have done considerable damage in fields outside of Kansas. Applications of Paris green dry, two or three pounds to the acre, or sprayed in a dilution of one pound to fifty gallons of water, have brought results with web-worms if applied promptly at their first appearance. Large numbers of gray-brown moths over the beet-fields in May or June would indicate web-worms. The arsenic mixture recommended for grasshoppers is desirable for cut-worms; it should be sprinkled on the ground, preferably before planting or before the beets have come up, placing it late in the afternoon.

The best practise, when any insect or disease with which the grower is unfamiliar attacks the beets or is seen on the field, is to write for information to the director of the experiment station, at Manhattan. It is usually helpful to send a specimen of the diseased plant or insect.

VALUE OF SUGAR.

Sugar, well designated "concentrated sunshine, air, and water," is considered a household necessity, but has not been many years out of the ranks of the luxuries. As a luxury it is ancient. It is said that it was eaten by the Chinese 2,000 years before it be-

came known to Europeans. It has played a part in history, caused wars, and made both riches and poverty.

Sugar has gained its place because it has an actual food value. It is a food for muscular work and for the man whose occupation keeps him out of doors. It is valuable alike in the tropics and in the arctic zone. Tests have established its value, even if popular approval had failed to place it where it is.

A Farmer's Idea of Farmers' Institutes.

Editor Kansas Farmer.—I have read with interest and profit the article written by Prof. J. H. Miller, of the State Agricultural College, and published in last week's number of THE KANSAS FARMER. Many of the recommendations offered by him have been practised in our (Brown County) farmers' institute for twenty years or more, and I feel proud to say that the people of this county take a very deep interest in our annual sessions. The interest is growing so as to make it necessary to hold institute meetings during four days each year. All the members of the farmer's family take an active part in these meetings. The mothers and housekeepers have nearly one day allotted them, and the young people about the same. The farmers attend these special sessions in even greater numbers than they do their own. We find that by varying our program to suit these different members of the farmer's family, a greater interest is created and we are constantly training our young people for institute work.

While I greatly appreciate the assistance given at our institutes by members of the State Agricultural College, I trust that a few words of friendly criticism may not be considered out of place. Too much time is taken up by these professors in the discussion of topics that are of little interest to the farmers of this State. Take, for instance, the subject of "Orcharding," which is often made a leading subject.

Kansas farmers in nearly every part of the State should try to maintain a family orchard containing, as far as possible, all the different kinds of fruit raised in this climate, but only in a limited amount to supply the family's wants. But when our professors advocate the planting of a large commercial orchard, they will seldom find practical farmers who are inclined to follow this advice. Land in the Eastern part of the State that is selling for \$75 to \$100 per acre, land that can produce corn, wheat, oats, clover, and alfalfa, all the food necessary for raising and fattening great herds of cattle, sheep, and hogs, as well as horses and mules for which there is an ever-growing market, this land should not be brought in competition with the Ozark region of Missouri and Arkansas where land is selling from two to five dollars, especially when we note the fact that cheap land produces, per acre, two or three times the quantity of fruit that can be raised on our high-priced land.

Brown County. J. C. LACROIX.

Cancerol, a Mild Treatment for Cancer.

The originator of Cancerol claims more cures from its use than from all other treatments combined. Costs but a trifle to satisfy yourself. Write for handsome free booklet. Address Dr. L. T. Leach, Indianapolis, Ind.

Cures Ringbone.

Tacoma, Wash., Jan. 17, 1906.

Dr. B. J. Kendall Co.

Dear Sirs:—Please send me your book, "Treatise on the Horse and His Diseases." I have used your Spavin Cure for ringbones and find it to be all you recommend.

Respectfully yours,

STEPHEN JOHNSTON, 3704 S. J. St.

Take Care of Your Apples.

This season's apple-crop is one of the greatest Kansas has ever had. Thousands of bushels of apples will be put in cold storage. These will not represent one-third of the apple-crop. What will become of the apples that are not taken to the market? Are you going to let them rot, or make three gallons of cider from each bushel, which will find a ready sale at 20 to 30 cents per gallon this winter at your grocery store? In fact every family ought to have a barrel of sweet cider for home use. There is nothing nner than cider with pumpkin pie on a cold winter evening. The Chemical Supply Company, of Topeka, Kans., after years of experimenting is able to keep cider sweet and is offering its recipe, "Cider-ine Formula," for sale for 10 2-cent stamps. This recipe is guaranteed to keep cider sweet, and it meets the requirements of the pure-food laws. Every person having apples going to waste should look out for a rainy day and supply the family with a barrel of sweet cider for their winter use.

STIFFNESS, STITCHES, LAMENESS, CRAMP, TWISTS AND TWITCHES, ALL DECAMP WHEN YOU APPLY



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in the shortest possible time, do it easy, save all the hard work, the wages of the hired man, put the grain away in better shape and utilize all the space in the building. The "Little Giant" is one of the greatest money-savers you can add to your farm equipment—soon pays its cost. Ask for letters from farmers who use the "Little Giant" and see what they say about it. We will send all the information you want.

Write for catalog telling all about the apparatus, how it works and how it soon saves its cost in time saved. Ask for letters from farmers who use the "Little Giant" and see what they say about it. Do it to-day.

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Save Money on Oil

We Sell Premium Machine Oil at Less Than Half the Price You Now Pay.

Our Premium Machine Oil is sold at \$3.50 per barrel. Thousands are using it and find it all right. Every barrel guaranteed, and you be the judge. Other oils cost 35c to 40c per gal.; ours costs \$3.50 per barrel. Freight rate is 32c per barrel all points within 100 miles of Benedict, Kans. For each additional 25 miles add 2c.

After receiving and using 5 gal. if not satisfactory, return the balance, with bill of lading, and I will refund full price paid for said oil.

We Can Save You Money on Cylinder Oil. Write for Particulars.

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Dairy Interests

Milking by Machinery.

What may be safely said to be a unique and unparalleled performance in the milking-yard, is the record established by Mr. D. Buchanan, of Hawera, Taranaki. This gentleman, who we might say is an enterprising and progressive dairyman, has made Ayrshire cattle a specialty, and his herd numbers some very valuable animals, which have secured numerous show awards. Seventy cows is the average number milked during the season, and owing to the trouble, annoyance, and anxiety experienced at the hands of the hired milkers (which, in Mr. Buchanan's case, was all the more acute by reason of their objections to milking short-teated Ayrshires), he was on the point of giving up dairying altogether, when he received a letter from his brother-in-law, Mr. W. P. Brisbane, of Weerite, Victoria, the champion Ayrshire breeder, giving the results of his three-years' experience with the "L.K.G." milkers, and strongly advising their adoption. Mr. Buchanan promptly acted on the advice, and installed a milking-outfit, consisting of a 2 1/2 horse-power oil-engine, vacuum-pump, and two "L.K.G." milkers, in the early part of the season, and the kindly way the cows took to the machines and gave down their milk was quite a revelation. After the first two or three milkings, no bother of any sort was encountered, and cows with short teats, which were most difficult and tedious to milk by hand, were milked out by the machine in one quarter the time. The quantity of strippings obtained by hand after the machines had done their work was so small, when once the cows had become thoroughly used to machine-milking, that Mr. Buchanan says he will abandon stripping after the machines this season. Having had such an unsatisfactory experience with hired labor, Mr. Buchanan determined that he would undertake the whole of the work himself, and throughout the season he milked 70 cows with two machines, doing the bailing-up, leg-roping, manipulating the machines, and performing whatever stripping was necessary without any assistance whatever, the whole operation occupying about 2 1/2 hours night and morning. The work, says Mr. Buchanan, was light and pleasant, and was in no sense fatiguing, as the machine makes milking quite a different occupation, and on no consideration would he go back to hand-milking. That the ma-

chine will soon come into general use, and lead to an enormous expansion of the dairying industry in all parts of the Colony, Mr. Buchanan does not hesitate to affirm. He is loud in the praise of the working of his milking-outfit, which ran without a hitch of any kind during the season; and as evidencing the amount of labor it saved, Mr. Buchanan's experience is most striking, and nothing nearly approximating to his performance has hitherto been recorded in any part of the world.—New Zealand Farmers' Union Journal.

The Production of Milk.

There are three main things for which we plan: First, the time of freshening the cow; second, her feed; third, her shelter.

We aim to deliver at the cheese-factory acceptable and wholesome milk; and an abundance of it. In order to do this most easily and economically, we have our cows freshen in April and May. By getting a good start at a favorable season, we are more certain of success. It is soon after freshening, if the cow is properly cared for, that she gives her greatest daily amount of milk. In order to keep up this abundant flow of milk as long as possible, we take advantage of this favorable season, both in regard to temperature and feed, which are now given us in the best condition. The large amount of milk that is now produced requires considerable work on the part of the dairyman, and he is in better trim to do it than in winter. The shorter the time he keeps his milk under his own care, the more economically will it be produced and in better condition will it reach the cheese-factory. About the first of May, milk is delivered to brick-cheese factories both morning and evening. So the milk from this time on is in the farmer's charge the shortest length of time possible. It ought, therefore, to reach the factory in the best possible condition.

The spring of the year is regarded as a favorable and economical time for the coming in of cows, for then the climatic conditions are right and the feeding problem begins to take care of itself. The next thing we plan for is how to keep up this large flow of milk as long as possible without interruption. And this leads us to consider the supplying of feed. The feed given the cow will affect the quality as well as the quantity of milk produced. The kind of feed used is, therefore, of great importance to the producer and consumer, if not also to the cheese-maker.

Pasture grass is a balanced ration for the cow, and one reason for starting in spring is that we may supply this balanced ration to the cow abundantly the whole summer, or as long as possible.

Therefore, I plan to have an abundant supply and succession of pasture for the whole growing season, and to select such as will not unfavorably affect the quality of milk. The first grass the cow gets in the spring is from the old, or permanent pasture, which is made up of a variety of grasses according to its location. Much of it is June grass which starts early in spring, and is at its best for a short season only.

But as it is limited in quantity, it forms but a small part of her ration. Her regular winter feed must be kept up and only gradually diminished as the grass increases in quality and abundance. For the main cow-pasture, a field of red clover is prepared every year. This is quite necessary, as second-year clover is much more apt to winter-kill than new seeding. But because clover starts to grow early, we do not turn our cattle on it early; we wait till it gets a good start and covers the ground abundantly. The cows are not left on the clover all day, nor is it, even yet, their only feed. They are fed some hay, at least in the morning before they are turned on to the clover, and the permanent pasture is still made use of so as not to over-feed the cows on clover, or have them run over the field needlessly when they have had sufficient for the day.

If, in the course of the summer, this one clover pasture does not prove sufficient, we get a new supply by using the second crop of clover for pasture, instead of mowing it for hay. And if, still later in the fall, this should also prove insufficient, we have still a third supply of clover new and unused in the new seeding of the present year grown in the fields of grain. We depend mainly on clover for pasture, and with our three different sources of supply during the same year, we have a relay that does not often fail.

In order that there shall be no unnecessary diminution in the flow of milk for want of sufficient and proper feed, a system of partial soiling is

DE LAVAL CREAM SEPARATORS Are Not Only the Best BUT ALSO THE CHEAPEST Have the Greatest Capacity DO THE CLOSEST SKIMMING Run the Easiest and Last FROM TWO TO TEN TIMES LONGER Than Any Other Machine THE DE LAVAL SEPARATOR CO. Randolph & Canal Sts., CHICAGO. 1213 Filbert Street, PHILADELPHIA. 9 & 11 Drumm Street, SAN FRANCISCO. General Offices: 74 CORTLANDT STREET, NEW YORK. 109-113 Youville Square MONTREAL. 75 & 77 York street, TORONTO. 14 & 16 Princess Street; WINNIPEG.

practised. For this purpose we use corn in a limited way, even if the pasture is fair. And if the pasture should be short, we start using it as early as possible, according to necessity. When once we have started using corn it is never discontinued, but it is used in addition to clover pasture and not exclusively. At this time of the year we make a special effort, if need be, to keep up the flow of milk, for the price is nearly as high as in winter. If pasture should be short earlier in the season, before the corn is mature enough, we have used the different grain-crops for soiling purposes. If they would not greatly increase the flow of milk, they would at least keep it from going down, and that is one of the chief things to guard against in the production of milk.

Housing the cows includes not only protection against the cold, but also shelter against the excessive heat of summer. Open sheds or convenient wood-lots will often be sought by well-fed cows in summer. When thus provided, the flow of milk is not appreciably diminished by any external annoyance to the cows. Inasmuch as it is more laborious to stable cows than to let them run out, the proper housing of them is often unduly delayed in fall, but always at considerable loss. It does not take more feed to house them but it takes more labor, and it is labor that will well repay you, for the bad effects of a storm continue to a great extent for the rest of the season. In connection with stabling, too great care can not be taken to secure cleanliness of the milk. This can be secured only by keeping everything else clean. One advantage of having cows come in in the early summer is that cleanliness is secured with greater

ease than at any other time. Cleanliness is of the utmost importance in producing milk for cheese-making purposes, for here, not only the cream but the whole milk is used. If there be some fault with the milk, it is most difficult to eliminate it from the cheese. In conclusion, then, it will be seen that by having the cows freshen in spring they have a long season before them when it is possible to produce a large amount of milk with the least labor and care on the part of the manager. The milk is delivered in the cleanest and best possible condition because it is not held over by the farmer, but taken directly from the milking to the factory. There will be a time, from the middle of February to the middle of April, when the farmer delivers no milk to the factory. If this practise were univer-

MILK CANS ROB YOU Look through a microscope at milk set to cream in pans or cans and you'll see how they rob you. You'll see the caseine—the cheese part—forming a spidery web all through the milk. You'll see this web growing thicker and thicker until it forms solid curd. How can you expect all the cream to rise through that? It can't. This caseine web catches a third to half the cream. You stand that loss just as long as you use pans or cans for they haven't enough skimming force to take out all the cream. But, just the minute you commence using Sharples Dairy Tubular Cream Separator, you stop that loss. Sharples Dairy Tubular Cream Separators have 100 times more skimming force than pans or cans, and twice as much as any other separator. They get all the cream—get it quick—get it free from dirt and in the best condition for making Gilt Edge Butter. Caseine don't bother the Tubular. The Tubular is positively certain to greatly increase your dairy profits, so write at once for catalog I-165 and our valuable free book, "Business Dairying." The Sharples Separator Co. West Chester, Pa. Toronto, Can. Chicago, Ill.

Bone Spavin No matter how old the blemish, how lame the horse, or how many doctors have tried and failed, use Fleming's Spavin and Lingbone Paste Use it under our guarantee—your money refunded if it doesn't make the horse go sound. Most cases cured by a single 45-minute application—occasionally two required. Cures Bone Spavin, Ringbone and Sidebone, new and old cases alike. Write for detailed information and a free copy of Fleming's Vest-Pocket Veterinary Adviser. Ninety-six pages, durably bound, indexed and illustrated. Covers over one hundred veterinary subjects. Read this book before you treat any kind of lameness in horses. FLEMING BROS., Chemists, 212 Union Stock Yards, Chicago, Ill.

AGRICULTURAL COLLEGE FINE STOCK SHORTHORNS—Ravenwood Admiration 186157, by the champion Lavender Viscount. Also one of his good sons and some helpers. HEREFORDS—Soldier Creek Columbus 4th 256179 by the \$5,100 Columbus 17th. Also two good bulls sired by him. Also one good ANGUS coming yearling bull. HOGS—A few of the best from 200 spring pigs—DUROC-JERSEYS, POLAND-CHINAS, BERKSHIRES, TAMWORTHS, and YORKSHIRES. Only the tops will be sent on order. Department of Animal Husbandry, Agricultural College, Manhattan, Kansas

THE COMBINATION OF THE YEAR The Kansas Farmer, one year.....\$1.00 The Review of Reviews " "..... 3.00 Woman's Home Companion " "..... 1.00 Success Magazine, " "..... 1.00 Regular Price.....\$6.00 We will send this grand combination of papers, all, one year for..... only \$3.75 ADDRESS THE KANSAS FARMER CO., Topeka, Kans.

there would be no so-called "fodder-cheese" made—a term which ought not to be used. It would also give the cheese-maker a yearly vacation, and would greatly lessen the farmer's duties for a part of the year.

A system of four different relays of culture is used. First, the permanent culture, then the main field of new seedling, after harvest the second crop of clover, and last, the young seedling sown with the present year's grain-crop for late fall pasture. To supply still further any possible deficiency, the corn-crop is used for feeding purposes.

There are other field-crops that could be used in the production of milk but objectionable on account of the taint they impart to milk, especially when not carefully fed. We get along with the least amount of grain and commercial feeds; but give some good feed and oil-meal a while before the cow freshens. Stabling the cow should be begun sufficiently early in the fall, and some shelter should be neglected even in summer.

If rightly conducted, the production of milk for cheese-making purposes, is an exacting, yet profitable, business—profitable for the farmer, the maker, and the consumer. But if the requirements of cleanliness and economy are disregarded, few enterprises will prove so unsatisfactory and unprofitable.—Lewis Ostenson, in Cheese and Dairy Journal.

price of strychnine, the most expensive ingredient in the formula, the price of the prairie-dog poison is now \$2 per half-gallon can, and the price of the gopher poison \$1.10 per quart can, these being the quantities of the respective poisons put up by us. Full directions for use are given on each can. Lots of one to three cans will be sent wrapped in paper; above that number, they will be boxed. Small lots will go more cheaply by express, but large lots should be ordered to come by freight. There is no charge for boxing, the goods being delivered to freight or express company in Manhattan at the prices stated. The best time to poison gophers is in October and November, when they are most active; but they may also be successfully poisoned in the spring or at any time when they are working. It is not usually necessary to go over the ground with poison more than once; but unless neighboring farmers cooperate, the work will have to be attended to about once in two years.

For Mice and Prairie-Squirrels.—We have recently had considerable complaint of the destruction of young orchards by field-mice. Experiments in the use of this poison to kill the mice have been very successful. We use the gopher poison with wheat as a bait. The poisoned wheat is eaten readily, and two or three applications will easily destroy all of the pests in the orchard. For prairie-squirrels the poison is used in the same manner, the wheat being placed near the openings of their burrows.

For Rabbits.—Corn poisoned as directed for pocket-gophers has been used successfully for these orchard pests. Kafir-corn is also a good bait, but perhaps the most successful method of all is to use prunes, pieces of apple, or sweet potato as a bait. Dry-powdered strychnine may be rubbed on the cut surface of the bait or our liquid poison poured over the pieces.

For Rats.—Rats about barns or corn-cribs are hard to poison because they have such an abundance of food at hand; yet they will often leave unpoisoned grain to eat that which has been poisoned with our poison. While we do not claim that it will entirely exterminate rats about farm premises, we are sure that the pest can be greatly reduced in numbers by its use. As in the operations with the poison or any other form of strychnine, against all rodents living in burrows, the great majority of the victims die in the burrows and are never seen. For this reason it is not a desirable means of destroying mice in occupied dwellings. In all cases of its use, great care is necessary to avoid placing the poison or baited food where it might be found by domestic animals or persons ignorant of its deadly character.

Orders for poison should be accompanied by payment, and should state for what purpose the poison is desired. Make money orders or drafts payable to Miss Lorena E. Clemons, who is secretary of the college. Method of shipment preferred should also be stated. The poison can not be sent by mail, and we do not ship it outside of Kansas. E. A. POPENOE, Field-Agent. Manhattan, Kans., Sept. 26, 1906.

Miscellany

Poisons for Prairie-Dogs and Gophers.

ESS BULLETIN NO. 153, KANSAS EXPERIMENT STATION.

It is well known to most of the citizens of Kansas, that the Experiment Station at Manhattan has been engaged for several years in the manufacture and sale of poisons for the destruction of the prairie-dog and the gopher—two pests that yearly cause much loss to farmers in regions infested by them. For four years this work was carried on by means of appropriations by the State Legislature, but at the last session this aid was withdrawn since which time the support of the enterprise has been assumed by the station alone. However, the price of the poison has been set at a figure that renders the work practically self-supporting, the work having been placed in the hands of the entomologist of the station without extra remuneration.

The poison for prairie-dogs is made according to a patented formula of which the State-right was purchased from the inventor, Mr. David W. Stables, of Craft, Okla., and the poison for gophers is an adaptation of the formula better suited for attracting the gopher. Both of these poisons have been used very generally throughout the State, and have given great satisfaction to all who have used them. By the use of the poison for prairie-dogs, that animal has become nearly extinct in districts where before it was very abundant and destructive. While similar results are scarcely to be expected in the case of the gopher, owing to its peculiar life and distribution, it has been greatly reduced in numbers in localities where formerly abundant, and diligent land-owners have found it possible, by use of this poison, to keep their fields practically free from its incursions on crops.

The following extracts from the correspondence of our patrons show the estimates placed on the poisons used by them:

- J. V. A., Medicine Lodge: "The batch you sent me worked to perfection."
- W. H. B., Alton: "I am surprised at the result attained with so little effort."
- F. H. W., Ness City: "The prairie-dog poison is ahead of all and everything else that we have tried."
- J. C. B., Ogallah: "We have about had a complete success of killing prairie-dogs."
- J. C. S., —: "The prairie-dog poison furnished by the Experiment Station beats all other preparations I have ever tried. It is a sure killer, if properly used."
- W. I. N., Wilson: "Used two gallons this afternoon, and can now pick up the dogs by the header-box full."
- C. S. M., Sun City: "We used the poison and found it O. K. Thanks for your efforts in securing for the State of Kansas such a sure dead shot."
- Mrs. A. R. Goodland: "Allow me to offer my very sincere congratulations. You have done a great thing for this Western Kansas."

Owing to advances in the wholesale

Milk Can Be Made to Yield Larger Profits

But the volume of the profits depends largely on the way your milk is handled. Everybody knows it is the cream that makes milk "rich," as we say, yet a large number of milk-producers are letting dollars slip through their fingers by continuing the use of old-fashioned methods of skimming cream when a modern cream-saving machine like the United States Separator would make their profits very much larger. The United States has proved to many a dairyman that it is the most profitable machine ever put on a farm. This is strikingly shown in the experiences related by Mr. R. A. Shufelt, on another page, which may give some "pointers" to dairymen who still persist in using the old gravity methods of skimming. The United States is a thoroughly standard, reliable cream-separator, and made by a concern who have been successfully manufacturing dairy machinery for more than thirty-three years. Their new catalogue is very interesting reading, and contains many illustrations from photographs of the different parts of the machine, so that its construction and operation is made perfectly plain. They will be very glad to send one if you will just write to "Send new catalogue No. 91."

OPERATIONS AVOIDED

Two Grateful Letters from Women Who Avoided Serious Operations.—Many Women Suffering from Like Conditions Will Be Interested.



When a physician tells a woman, suffering from female trouble, that an operation is necessary it, of course, frightens her.

The very thought of the operating table and the knife strikes terror to her heart. As one woman expressed it, when told by her physician that she must undergo an operation, she felt that her death knell had sounded.

Our hospitals are full of women who are there for just such operations!

It is quite true that these troubles may reach a stage where an operation is the only resource, but such cases are much rarer than is generally supposed, because a great many women have been cured by Lydia E. Pinkham's Vegetable Compound after the doctors had said an operation must be performed. In fact, up to the point where the knife must be used to secure instant relief, this medicine is certain to help.

The strongest and most grateful statements possible to make come from women who, by taking Lydia E. Pinkham's Vegetable Compound, have escaped serious operations.

Margrite Ryan, Treasurer of St. Andrew's Society, Indianapolis, Ind., writes of her cure as follows:

Dear Mrs. Pinkham:—"I cannot find words to express my thanks for the good Lydia E. Pinkham's Vegetable Compound did me. The doctor said I could not get well unless I had an operation for the trouble from which I suffered. I knew I could not stand the strain of an operation and made up my mind I would be an invalid for life. Hearing how Lydia E. Pinkham's Ask Mrs. Pinkham's Advice—A Woman Best Understands a Woman's Ills.

Vegetable Compound had saved other women from serious operations I decided to try it, and in less than four months I was entirely cured; and words fail to express my thankfulness."

Miss Margret Merkley, of 275 3d Street, Milwaukee, Wis., writes:

Dear Mrs. Pinkham:—"Loss of strength, extreme nervousness, severe shooting pains through the pelvic organs, cramps, bearing-down pains, and an irritable disposition compelled me to seek medical advice. The doctor, after making an examination, said that I had a serious female trouble and ulceration, and advised an operation as my only hope. To this I strongly objected—and I decided as a last resort to try Lydia E. Pinkham's Vegetable Compound. To my surprise the ulceration healed, all the bad symptoms disappeared, and I am once more strong, vigorous and well; and I cannot express my thanks for what it has done for me."

Serious feminine troubles are steadily on the increase among women—and before submitting to an operation every woman should try Lydia E. Pinkham's Vegetable Compound, and write Mrs. Pinkham at Lynn, Mass. for advice.

For thirty years Lydia E. Pinkham's Vegetable Compound has been curing the worst forms of female complaints, all functional troubles, inflammation, ulceration, falling and displacement, weakness, irregularities, indigestion and nervous prostration. Any woman who could read the many grateful letters on file in Mrs. Pinkham's office would be convinced of the efficiency of her advice and Lydia E. Pinkham's Vegetable Compound.

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We manufacture and sell the celebrated American Manure Spreader to the consumer direct from our factory—saving all the middle profits made by jobbers and dealers. These profits are left out of consideration in the prices that I want to make you direct from our factory on an American Manure Spreader.

This means that you can buy from our factory at factory prices—be a Wholesale Buyer. And that isn't all! We don't ask you to pay cash in advance.

We sell the American Manure Spreader on Time—

liberal time payments—giving our customers easy terms to pay for their Spreaders—letting the Spreader really pay for itself as it earns for you.

We are the only concern in the United States manufacturing and selling Manure Spreaders direct to the user on time and on trial at low factory prices.

The American Manure Spreader has 40 per cent more exclusive features than any other Spreader. It is high-class in every respect—made to last a lifetime.

There is no question about the American Manure Spreader being the standard Spreader of the world.

30 Days' FREE Trial

To prove all of our claims for the celebrated American Manure Spreader, we allow 30 days' trial on every Spreader we sell.

This permits the customer to use the Spreader on his own farm for a full month to be satisfied that it is just as represented. If not as represented it can be returned to us. We pay all freight both ways—trial being FREE.

The low price I want to quote you on an American Manure Spreader will be for the Spreader delivered at your station.

We Pay All Freight

This price will be for the Spreader on time—this price will be for the Spreader on trial—and this price will be a price that is lower than dealers are charging for Spreaders that are not nearly so good as the American. When you examine all the exclusive features of the American you will agree with me.

Write for my price—and write for my catalogue and booklet. They will tell you all about the American Manure Spreader and give you a lot of good information on the question of fertilizing—a question that every farmer is interested in and wants to know all about.

Just write me today on a postal card. I will see that you get our book and my special price at once.

W. W. COLLIER, Gen. Manager
AMERICAN HARROW CO.
10141 Hastings St. DETROIT, MICH.

WHEN WRITING ADVERTISERS, PLEASE MENTION THIS PAPER.

The Veterinarian

We cordially invite our readers to consult us when they desire information in regard to sick or lame animals, and thus assist us in making this Department one of the most interesting features of The Kansas Farmer. Kindly give the age, color, and sex of the animals, stating symptoms accurately, and how long standing, and what treatment, if any, has been resorted to. All replies through this column are free. In order to receive a prompt reply all letters for this Department should give the inquirer's postoffice, should be signed with full name and should be addressed to the Veterinary Department of The Kansas Farmer, Topeka, Kansas, or to Dr. C. L. Barnes, Veterinary Department, Kansas State Agricultural College, Manhattan, Kansas.

Ergotism. This disease, which affects cattle more generally than other live stock, is caused by eating grain or grass that has become ergotised, that is, has been attacked by a fungus called ergot. It attacks all grains and many grasses. In an article on this subject, describing its symptoms and effects, prepared by Dr. C. L. Barnes, veterinarian at the Kansas Agricultural Experiment Station, and which appeared in the Kansas Agricultural Review, published by the students at the college, the Doctor also prescribes treatment for animals which have been attacked by the disease. He says that the first symptom of ergotism is a slight lameness in one or more limbs; later a dark line forms around the limb somewhere between the knee and hoof. This line develops into a crack containing pus. The crack shows the line of separation between the dead and living tissues of the limb. When heated, ergot produces a contraction and finally a closing of the blood vessels in the extremities of the body (limbs, tail, and ears), with the result that the parts below the line of obstruction die and later drop off. Pregnant cows may abort. It is not uncommon to see a cow or a steer with but one toe on a foot, or the absence of an entire foot. The treatment suggested is as follows:

"The affected animals should have a change of feed and then given a physic to get rid of any ergot in the intestines. Then give tannin in one-half dram doses twice daily for a few days to destroy the ergot not absorbed. To increase the circulation in the extremities, chloral-hydrate in one-half ounce doses twice daily is often beneficial. Affected parts should be bathed with as hot water as the animal can stand. After this apply disinfectants to the skin, such as Zenoleum (a teaspoonful to a quart of water). When the foot has started to come off, nothing can be done for the animal, and it is best to put it out of its misery."

Sick Colt.—I have a mare colt, six months old, that has been running at the nose from the time it was born. When it sucks, the milk comes through the nose and if it eats corn it comes back through the nose. It coughs a little. Otherwise it is nice and fat. Severance, Kans. H. R.

Answer.—We are unable to give you much assistance in regard to your animal, as it will probably be necessary for you to employ a competent veterinarian to make a personal examination in order to affect a cure.

Colt Out of Condition.—Will you advise the best way to treat my young mule colt. It was born July 2, and was ruptured when born. The fistula bag is about as large as a man's fist but seems to be doing fine. Can it be cured or will it get all right itself, and will there be any danger in castrating? Please answer through your most valuable paper. M. C. K. Holyrod, Kans.

Answer.—You had better have your colt operated upon by a competent veterinarian as I think that will be the best method of successfully treating your animal.

Poll Evil.—Will you please advise me in regard to an ailing horse? The horse has a lump on each side of the head behind the ears. I first noticed these lumps about a week ago. They have been growing larger ever since but do not seem to be sore. The one on the left side is the largest and is now about as big as a man's fist. The horse is about 12 years old and otherwise is in good condition, except a ring-bone or two. I have done nothing for the lumps on his head yet, and await your advise regarding the same. Rock Hill, N. Y. A. C.

Answer.—In regard to your horse that has lumps back of its ears, will say that I fear that the horse is getting what is known as poll evil. You had better use a stimulating liniment

over the lumps daily until sore, then withhold for a few days and begin again.

Summer Sores.—I have a sick horse and I would like to know if you ever had a case before like this. He broke out with sores all over him. One hind leg will swell and then go down and then the other one will swell. He seems to be getting poorer every day but eats well. He also swells under the belly where the hair is coming off. His feet are also sore. This horse is brown in color, six years old, and weighs 1,400 pounds. Has been healthy all his life. W. H. M. America City, Kans.

Answer.—I think your horse has what is known as summer sores and would therefore advise you to use one ounce of eucalyptin in two quarts of water. Have the water very cold and wash the parts several times daily. I have had several reports of this affection this summer and have been very successful in treating them by the method described above.

Horse With Decayed Frog.—I have a German coach stallion that has been much affected. Flies caused his first difficulty, biting him in hind fetlock, then he would bite it until it became a bad sore. I consulted a veterinarian and he advised the use of Liquid Koal, applied full strength, but I discovered it was an irritant, taking the cuticle off. Then I used vaseline and bismuth as a salve. The sore soon broke out above the fetlock on the cord of the leg and it became badly swollen, making the horse very lame. I then applied hot water as a bath and reduced the swelling, but it is still swollen some and sore and the horse is somewhat lame. I now use Lysol as a wash and powdered iodoform and the sore is apparently healing. Is this proper treatment?

The horse is also having trouble in the frog of his feet. They seem to be decaying. One is now hardening and the horse is quite lame and a bad odor comes from the feet. I have been cleaning his feet frequently, thinking they would dry. I think the horse is partly lame because his toes have broken too close, his shoes having been removed. However, his frogs are not in a very good condition. W. M. Minneapolis, Kans.

Answer.—In regard to the coach stallion which has had some sores in its fetlock joint, will say that if there continues to be any swelling at the affected part, would advise that you use Thermofuge as a poultice. I think your treatment has been all right, but the Thermofuge will bring down the swelling as nothing else will. The foot that has a bad odor coming from it evidently is affected with thrush and you had better use calomel after cleaning the frog thoroughly and then pack the foot with the calomel. Before putting the calomel in the foot, it would be advisable to use peroxide of hydrogen, full strength, to clean all the decayed material out of the foot.

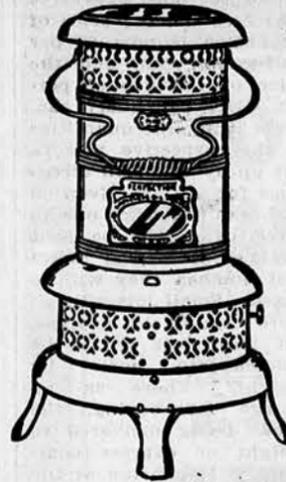
Ailing Pigs.—I have a half-blood Duroc-Jersey sow. In June, about the 15th, she brought six pigs, saving five. After about four or five days one of the pigs seemed to shiver terribly and staggered about and was hardly able to go to the stall. About three weeks later it died. I thought the sow had only stepped on it and paid no more attention to it. About three weeks ago one of the same litter started the same way. The pigs will probably weigh 30 pounds. It staggers around, shakes terribly, and trembles all the time. Is anything to be done for the ailing pigs or would it be best to kill them. E. F. O. Yates Center, Kans.

Answer.—We are mailing you a Press Bulletin on "Some Troubles of Swine," which may give you some assistance in treating your animals. I would suggest that you look to the feed for the cause of the trouble in your hogs. I fear there is something wrong there. Failing to get the desired results by making a change in the feed, let me hear from you again.

Fistulous Withers.—I have a 4-year-old gelding that has a swelling on top of the withers on left side. Have used liniment but it seems to do no good. It was caused by mother horse biting him. I am afraid it is going to cause fistula. W. R. D. Jewell, Kans.

Answer.—We are sending you by mail a press bulletin on poll evil and fistulous withers which you requested in your letter. I trust that it will aid you in successfully curing your animal. Failing to receive the desired results, write me again. C. L. BARNES.

A lazy man is always tired.—Billings.



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If you only knew how much comfort can be derived from a PERFECTION Oil Heater—how simple and economical its operation, you would not be without it another day.

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Made in two finishes—nickel and japan. Brass oil fountain beautifully embossed. Holds 4 quarts of oil and burns 9 hours. Every heater warranted. If you cannot get heater or information from your dealer, write to nearest agency for descriptive circular.

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There are 38 years of practical experience in paintmaking back of PITKIN'S BARN PAINT. It costs only 85c a gallon and will cover more square feet of surface, gallon for gallon, than paints of inferior quality, and remember when you put on PITKIN'S you put on a Paint that is guaranteed for five years.

PITKIN'S BARN PAINT won't peel; it won't blister; it won't crack; it won't wash off. We import the English oxide of iron ourselves so that we will be certain of producing the brightest and most permanent colors possible. Just ask your dealer. If he handles PITKIN'S he will be enthusiastic in endorsing it—the longer he has sold it, the more enthusiastic he will be. If he doesn't handle PITKIN'S, he will later thank you if you induce him to get it for you.

Write today for a free trial can, booklet, color cards, etc.—all sent FREE. Address

Rural Dept. L. GEO. W. PITKIN CO., Chicago, Ill. Originators Ready-to-Use Barn Paint.



Destroy the Gophers

In Your Alfalfa Fields by Using

Saunders' Gopher Exterminator

It is a machine which forces a deadly gas through their runways and is warranted to kill gophers within 100 feet of operation. With it a man can clear from five to six acres of gopher-infested land in a day at a cost of twenty cents per acre. The poison we use can be gotten at any drug store. Satisfaction guaranteed or money refunded. Complete outfit for \$5.

Flint Saunders, Lincoln, Kansas

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CONDUCTED BY THOMAS OWEN.

Examine Your Stock.

Now is a good time for the poultryman to look over and examine into the merits of his young stock and ascertain which individuals he shall retain for his breeding yard next season. The following qualities should be fully known:

Is the selected specimen hardy? Has it ever shown symptoms of disease or weakness? Has it shown a disposition to take care of itself, and displayed its strong constitution by taking the lead among its mates? Rapid maturing, a desirable quality in all breeds, is seen in rapid growth, early feathering, and activity. These points being understood as to each specimen, then select with reference to the following facts:

The male should be elegant in symmetry, good in color, strong, vigorous, courageous, and gallant; size, a good average of his variety. The females should show strong constitutions, large size, and good color. By all means the shape should be good. The theory that good shape and symmetry should be present in the male, while anything will do for the female, may do where fine points are not of great importance, but in nice poultry breeding, it will not do to hope for handsome progeny from coarse and angular females, no matter how good the male may be in that respect.

After having made the selections, then by all means care for them, for to this may be attributed the success or failure of the season in a great measure. If the stock designed to breed from is improperly fed and cared for, and they are suffered to go into the breeding season not fully matured or rounded out, they can not be expected to produce the best of young. Push your birds, therefore, with all they will stand of pure, wholesome food and see that they are well housed also.

Poultry Pointers.

Never in the history of the West has poultry paid so well as at the present time. Hens selling for 9 cents per pound and eggs at 25 cents per dozen is a profitable business. This should induce every farmer to pay more attention to his poultry. Poultry is fast becoming as big a source of revenue to the farmer as his hogs and cattle, only the farmer is more neglectful of his fowls than any other thing he raises on the farm. Some don't even have a shed for the fowls in roost in; but allow them to roost in the trees. Because the fowls don't bring in a big lump of money all at one time, as do the hogs and cattle, they seem to be neglected as things of not much account, forgetting that a large number of small things amount to a very big sum in the aggregate.

You should provide something in the way of green feed for the winter, to take the place of the grass that the fowls have been in the habit of getting during the summer. Cabbage, turnips, beets, small potatoes, all are good. So are alfalfa-leaves either dry or put into the mash and scalded with boiling water.

A great many people have the notion that salt, in any quantity, is harmful to fowls. This comes, we presume, from some fowls at some time having had access to salted fish or salted fish in undue quantities. We have known of fowls having been killed by eating salt fish that had been thrown out, on account of being partly spoiled. The fowls gorged themselves on too much of the stuff. A little salt in their food is relished by all fowls and is good for them, but it won't do to let them have access to a whole salt-barrel.

There are probably a number of feeble and droopy fowls in your flocks of chickens. It would be well to do away with them in some manner before the cold weather comes, as they are almost sure to die anyway and it is a waste of feed to be feeding them in the meantime.

Keep an eye on the big, fine chicks, those that grow the fastest and feather the most rapid. This may be important by and when you are selecting stock for exhibition or breeding purposes.

It is none too early to be preparing your birds for the winter shows. Some of them are to be held very early this season, many of them in November, and December is full of them. See, therefore, that your chickens are getting into suitable condition for show purposes. The birds ought to be coop-

ed up for some time before the show so that they may be comparatively tame when the judge comes to handle them. A scary, flighty bird will lose several points in his score by not behaving properly when in the hands of the judge.

One great regret in a show-room is to see so many birds that have had their combs frosted. A badly frosted comb on a bird makes several points difference in its score. The great difficulty in having birds properly housed is the cause of this defect. One lets the birds out too early some frosty morning, or forgets to close the door of the poultry-house some cold night and the deed is done before one knows it. And "not all the king's horses nor all the king's men" can restore a frosted comb again. After that first experience, one usually takes better care of the fowls and very likely not another case of frosted comb will be seen the rest of the winter. But that first cold snap—how much it has cost one. Experience always costs money. Do not say this year that you have not been warned. Beware of the first cold snap and see that your fowls are snug and warm in their house.

Remember that the State show this year is to be held at Wichita, Jan. 7 to 12, and that it will be one of the biggest State shows ever held in Kansas. The secretary is now soliciting advertisements and securing copy for the premium list. The regular premiums are more liberal than ever and the special premiums will largely exceed anything ever before offered at a State show.

Thanksgiving and Christmas are not so very far away, and if you have some surplus stock that you wish to sell by that time, it would pay you to take special pains and fatten them up in the meantime. Whether they are chickens or turkeys, it will pay to coop them up and feed them all they will eat three times a day of specially prepared poultry food. Oatmeal should be the bulk of it, though cornmeal will answer if the other is inaccessible. Mix into a mash with skim-milk and feed as stated three times a day, and they will fatten up in a few weeks' time. A poor, scrawny chicken or turkey is unsalable, but plump, fat ones are in constant demand at good prices.



Now is Just the Time to Buy that New Buggy.

In the fall of the year, after the hard Summer's work is over, the weather settled, and the roads are usually good, it's a fine time to have a new buggy.

The Ohio Carriage Manufacturing Company of Cincinnati, Ohio, manufacturers of the celebrated Split Hickory vehicles, say that you will be surprised to know what a splendid fall business they have on their made-to-order Split Hickory vehicles.

They say that a few years ago they did not receive many fall orders, but that now people have commenced to realize that the fall of the year is a fine time to get in their new buggy, on account of the good roads, and the fact that people seem to use buggies later in the season than they used to.

The Ohio Carriage Manufacturing Company is one of the largest manufacturers of high-grade vehicles in the country, and they sell the product of their entire factories direct to users by mail. They issue a fine catalogue, and their prices on vehicles, quality considered, are very low.

If you think you would like to have a nice new buggy this fall, why not write to the Ohio Carriage Manufacturing Company now, and get their free catalogue at once? If you have never seen it, you will be surprised to know what a fine buggy book this concern issues, how reasonable their prices are, and how liberal their methods of doing business. Their address is the OHIO CARRIAGE MFG. COMPANY, Station 251, Cincinnati, Ohio.

If a man is a good man, the more pedigree he has the better; if he is a bad one, the less pedigree he has the better.—Billings.

When writing to advertisers please mention this paper.

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No other ready roofing can talk about 12-year-old roofs. They can't find them. Most ready roofings are wrecks or patch-works at that age. But Black Diamond instead of making the vague statement "Lasts for years," says "Here are Black Diamond roofs that have lasted 10 years, 15 years, and are still good roofs!"

May be you only want a roof that will last a year or so. Even then you will probably get Black Diamond on account of its unusually low price. But if you want a roof that endures, you must buy Black Diamond—the roofing with a record. Take a look at that record. It is in our free Booklet in the photographs and stories of old roofs where Black Diamond gave long service and satisfaction. Ask for a Sample at the same time. We will gladly send both free for the asking.

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WHITE ROCKS AND WHITE WYANDOTTES—Young and old breeders for sale at attractive prices. W. L. Bates, Topeka, Kans.

BARRED PLYMOUTH ROCK EGGS—From free range stock, no other fowls kept on the farm. Price \$1 for 15; \$5 for 100. Mrs. C. F. Brown, Box 61, Manchester, Oklahoma.

B. F. ROCKS AND BUFF ORPINGTONS—Eight grand matings. Send for price list on eggs and Collie pups. W. B. Williams, Stella, Neb.

SPECIAL SALE ON BARRED PLYMOUTH ROCKS.

I will sell 60 yearling hens to make room, at \$1.00 each. These hens are barred to the skin. All my last season's pen breeders, the kind that produce exhibition cockerels. Right here is a chance to get some No. 1 stock at a low price. Let me rate up a trio or a pen that will start you right. I will also sell 10 cock* including the 2d and 5th prize cockerels at the Kansas State show of 1906. Description, price and photographs of any winners sent free. I will also sell cockerels until December 1 at \$1.50 each, sired by my first prize males. Write for prices on exhibition stock. Satisfaction guaranteed or money refunded. A. H. MILLER, Bern, Kans.

White Plymouth Rocks EXCLUSIVELY.

Good for Eggs, Good to Eat and Good to look at W. F. Rocks hold the record for egg-laying over every other variety of fowls; eight pullets averaging 289 eggs each in one year. I have bred them exclusively for twelve years and have them scoring 94 to 96%, and as good as can be found anywhere. Eggs only \$2 per 15; \$5 per 45, and I prepay expressage to any express office in the United States. Yards at residence, adjoining Washburn College. Address THOMAS OWEN, Sta. B, Topeka, Kans.

LEGHORNS.

ROSE OMB BROWN LEGHORN EGGS, 15 for \$1.50 for \$2.50, 100 for \$4. Mrs. John Holshay, Bendena, Kans.

BUFF LEGHORNS AND BUFFORPINGTONS. Catalogue free. W. H. Maxwell, 1240 Quincy St., Topeka, Kans.

FOR SALE—A limited number of S. C. White Leghorn cockerels; pure bred birds bred for laying and size. Price \$1, if sold at once. Mrs. F. R. Wolfe, Conway Springs, Kans., Route 2.

STANDARD-BRED SINGLE-COMB BUFF LEGHORNS—Headed by first prize pen Chicago show 1903 and took six first prizes and first pen at Newton 1904. Eggs \$3 for 15. S. Perkins, 801 East First street, Newton, Kansas.

SINGLE-COMB WHITE LEGHORN cockerels, \$1 each; two or more, 80 cents each. Fine white, pure, thoroughbred birds. Also a few Barred Plymouth Rocks, barred to the skin—fine, pure and vigorous; hens, cocks and pullets, \$1 each; two or more, 80 cents each. All of our customers are very well pleased. We will make reductions on large lots. Meadow Poultry Farm, Coultersville, Illinois

EGGS FOR SALE—S. C. W. Leghorns, W. Wyandottes, \$1 per 15. W. H. turkeys, \$1.50 per 9. Emden geese, 30c each. W. African guinea, \$1 per 17. All guaranteed pure-bred. A. F. Hutley, Route 2, Maple Hill, Kansas.

FOR SALE—Exhibition S. C. Black Minorca cockerels, \$2. I guarantee them. Address George Kern, 817 Osage street, Leavenworth, Kans.

Pure Single Comb Brown Leghorn Eggs—80 for \$1; 100 for \$3. F. P. Flower, Wakefield, Kans.

Johnnie Chase, Glasco, Kas.

Breeds Black Minorcas, S. C. Brown Leghorns and Barred Rocks. Second to none in the state. Eggs, \$2 per sitting.

COCKERELS COCKERELS COCKERELS

Of thirty-two of the leading varieties, being farm raised, no two on the same farm. To make room for winter quarters, Leghorns three for \$5, all other varieties in proportion. Address W. F. Holcomb, Mgr. Nebraska Poultry Co., Clay Center, Neb.

The Talbott Poultry Farm

Breeders of the best in the world. Strain of Buff, Brown and White Leghorns, Barred Rocks and White Wyandottes. My birds have won at Chicago, Galesburg, Moline, Illinois, Fremont, Hebron and State Poultry Show of Nebraska, and they will win for you. 300 old birds for sale at \$1.50 each; also 1,000 youngsters at \$1.00 and up.

W. R. TALBOTT, Prop. Hebron, Nebr.

WYANDOTTES.

SILVER LACED WYANDOTTES—Thorough bred cockerels, \$2; pullets, \$1.50. Jewett Bros., Dighton, Kansas.

WYANDOTTES—Pure white. Young stock at \$1 each. L. E. Brown, Norton, Kans.

WHITE WYANDOTTE COCKERELS—Show birds or choice breeders at \$1.00 to \$5.00 each. S. W. Arts, Larned, Kans.

RHODE ISLAND REDS.

ONE DOLLAR buys 15 eggs of either Rose Comb R. I. Reds or Barred Rocks from prize-winning stock at the college show. Mrs. A. J. Nicholson, Manhattan, Kansas.

BRAHMAS.

LIGHT BRAHMAS—More prizes than any breeder in the state; 10 first this season. Eggs, \$150. Cockerels, \$2 to \$4. T. F. Weaver. Blue Mound, Kansas

MAMMOTH BFONZE TURKEYS.

MAMMOTH BRONZE TURKEYS FOR SALE—Inquire of B. D. Kinger, Puffer, Kans.

Eggs for Hatching

M. B. turkeys, \$3 per 10. Golden Wyandottes, \$2, \$1.50 and \$1.25 per 15. Satisfaction guaranteed. Mrs. A. B. Grant, Emporia, Kansas.

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CHOICE BREEDING STOCK—Barred Plymouth Rocks, White Plymouth Rocks, Buff Cochins, Partridge Cochins, Light Brahmans, Black Langhans, White Wyandottes and Brown Leghorns. Single birds, pairs, trios, and breeding pens. All inquires promptly answered and orders promptly filled with choice stock. Circulars free. Write your wants. A. H. Duff, Larned, Kans.

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being about over, we wish to thank our patrons from the Atlantic to the Pacific. We are ready to quote prices on our famous Golden Buff Langhans, and forty other different varieties. Our object the best for the least money. America's Central Poultry Plant, J. A. Lovette, Prop., Mullinville, Kans.



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All about the chicken industry in Kansas, the bees and pigeons. Full of information illustrated and made plain for the people. Practical, by and for practical people. The paper that reaches the chicken folks. If you are interested in poultry, bees, or pigeons, THE HEN will interest you. Address THE HELPFUL HEN, Topeka, Kansas.

Stock Interests

PURE-BRED STOCK SALES. Dates claimed only for sales which are advertised or are to be advertised in this paper. October 26, 1906—Poland-Chinas. O. W. Stalder Salem, Neb. October 27, 1906—Poland-Chinas. Chas. A. Lewis, Beatrice, Neb. October 28, 1906—Jno. W. Jones & Son, Concordia, Duroc-Jerseys. October 29, 1906—Poland-Chinas, B. M. Bell, Beatrice, Kansas. October 29, 1906—Klaus Bros., Bendena, Kansas, Poland-Chinas. October 30, 1906—Leon Calhoun's sale of Poland-Chinas at Atchison, Kans. October 30, 1906—J. B. Davis & Son, Fairview, Kans., Duroc-Jerseys. October 30, 1906—Herefords at Mt. Pleasant, Iowa. D. R. Mills, Des Moines, Iowa, Manager. October 31, 1906—C. O. Hoag, Calvin Bros., and Geo. P. Dawson, Poland-Chinas. October 31, 1906—Poland-Chinas. O. E. Smith, Cuba, Kans. November 1, 1906—Poland-Chinas. Carl Jensen & Sons, Belleville, Kans. November 1, 1906—Frank Zimmerman, Centerville, Kans. November 1, 1906—Shorthorns at Mt. Pleasant, Iowa. D. R. Mills, Des Moines, Iowa, Manager. November 1 and 2, 1906—Herefords and Shorthorns, Kansas City, Mo., W. C. McGavock, Mgr., Springfield, Ill. November 2, 1906—Champion herd O. I. C. Swine, Dr. O. L. Kerr, Independence, Mo. November 3, 1906—C. W. Taylor, Abilene, Kans., Duroc-Jerseys. November 7, 8, 1906—Sale of all beef breeds, Kansas City Sale Pavillion, R. A. Ford, Lawson, Mo., Manager. November 8, 1906—T. P. Sheehy, Hume, Mo. November 9, 1906—Poland-Chinas at Fredonia, Kans. H. E. Bacheider, manager. November 10, 1906—Duroc-Jerseys at Fredonia, Kans. H. E. Bacheider, manager. November 13, 1906—Howard Reed, Frankfort, Kans. November 14, 1906—Poland-Chinas, H. B. Walters, Wayne, Kans. November 14, 1906—Poland-Chinas. F. R. Barrett, Cadmus, Neb. November 16, 1906—G. M. Heberd, Peck, Kans. November 17, 1906—Herefords, Henry Ackley, Wellsville, Kans. November 20, 21, 22 and 23, 1906—Blue Ribbon Sales of Shorthorns, Herefords, Aberdeen-Angus and Galloways at Fine Stock Pavillion, Kansas City. D. K. Mills, Des Moines, Iowa, Manager. November 23, 1906—H. B. Haynes, Osage, Kans. November 24, 1906—Duroc-Jerseys, Marshall Bros., & Stodder, Burden, Kans. November 24, 1906—Shorthorns, Hall Brothers & J. P. Newell, Carthage, Mo. November 27, 1906—L. C. Caldwell, Moran, Kans. November 27, 28 and 29, 1906—Shorthorns, Herefords and Aberdeen-Angus at South St. Paul, Minn. D. R. Mills, Iowa, Manager. November 28, 1906—Snyder Bros., Winfield, Kans. Poland-Chinas. November 30, 1906—U. S. Ison, Butler, Missouri Poland-Chinas. December 6, 1906—American Galloway Breeders' Association Combination Sale, Chicago, Ill. December 11-12, 1906—Imported and American bred Herefords, James A. Funkhouser and Charles W. Armour, sale pavillion, Kansas City. December 13, 1906—Hereford cattle at Coffeyville, Kans. H. E. Bacheider, Fredonia, Kans., manager. December 14, 1906—Shorthorn cattle at Coffeyville, Kans. H. E. Bacheider, Fredonia, Kans., manager. December 14-15, 1906—Dickinson and Marion County breeders sale of Herefords at Hope, Kans. J. B. Shields, 104 Spring, Kans., Secretary. December 15, 1906—Poland-Chinas, Duroc-Jerseys and Berkshires at Coffeyville, Kans. H. E. Bacheider, Fredonia, Kans., manager. December 19-20, 1906—Webber, Apperson & Co., Tecumseh, Neb., Berkshires and Red Polled Cattle. December 18, 19, 20 and 21, 1906—Shorthorns, Herefords, Aberdeen-Angus and Galloway at South Omaha, Neb. D. R. Mills, Des Moines, Iowa, Manager. December 19, 1906—Herefords, E. B. Morgan Blue Rapids, Kans. Jan. 1, 18 and 19, 1907—Shorthorns, Aberdeen-Angus and Herefords, South Omaha, Neb., W. C. McGavock, Mgr., Springfield, Ill. January 29, 1907—Grant Chapin, Greene, Clay County, Duroc-Jerseys. February 6, 1907—C. A. Cook, Salem, Nebr., Duroc-Jerseys. February 6, 1907—Wm. Brandon, Humboldt, Neb., Duroc-Jerseys. February 7, 1907—R. F. Miner, Tecumseh, Nebr., Duroc-Jerseys. Feb. 7, 1907—Ward Bros., Republic, Kans., Duroc-Jerseys. February 8, 1907—A. J. Russell, Crab Orchard, Nebr., Duroc-Jerseys. February 9, 1907—Poland-Chinas, C. O. Parsons Clearwater, Kans. February 12, 1907—Duroc-Jerseys, T. P. Teagarden, Wayne, Kans. February 13, 1907—Poland-Chinas, H. B. Walters, Wayne, Kans. February 13, 1907—J. B. Davis & Son, Fairview, Kans., Duroc-Jerseys. February 15, 1907—Frank Dawley, Osborne, Kans., Poland-Chinas. Feb. 18, 1907—C. W. Taylor, Pearl, Kans., Duroc. February 19, 1907—Jno. W. Jones & Son, Concordia, Duroc-Jerseys. February 20, 1907—Poland-Chinas, Lemon Ford, Minneapolis, Kans. Feb. 20, 1907—J. E. Jones, Clyde, Kansas, Duroc-Jerseys. Feb. 21, 1907—Leon Carter & Co., Asherville, Kans Duroc-Jerseys. February 22, 1907—J. C. Larrimer, Derby, Kans., Poland-Chinas. February 27, 1907—Poland-Chinas, W. H. Bullen, Belleville, Kans. April 3, 4 and 5, 1907—Herefords, Aberdeen-Angus and Shorthorns, Kansas City, Mo., W. C. McGavock, Mgr., Springfield, Ill. May 1, 2 and 3, 1907—Aberdeen-Angus, Shorthorns and Herefords, South Omaha, Neb., W. C. McGavock, Mgr., Springfield, Ill. Improved Stock Breeders' Association of the Wheat Belt—November 12, 14, 15, 1906, at Arkansas City, Kans., I. E. Knox, Nardin, O. T., manager; Dec. 5, 6, 7, 1906, at Anthony, Kans., Chas. M. Johnston, Caldwell, Kans., manager; Dec. 18, 19, 1906, at Wichita, Kans., J. C. Larrimer, Derby, Kans., Manager; Feb. 13, 14, 15, 1907, at Caldwell, Kans., Chas. M. Johnston, Caldwell, Kans., manager.

Axline's Sale. The annual Poland-China sale held by E. E. Axline at the home farm at Oak Grove, Mo., on October 8, was a great success. The attendance was large, the weather good, and the sale one of the snappiest of Mr. Axline's many snappy sales. The crowd in attendance was made up of buyers, and the average for 64 head was \$44.60. Leon Calhoun, of Potter, Kan., topped the sale by paying \$200 for a March gilt. The highest-priced boar went to Missouri for \$155. Buyers were present or represented from Kansas, Illinois, Missouri, Oregon, Oklahoma, and Nebraska. The sale was conducted by Colonels J. W. Sparks, Marshall, Mo.; Lafe Burger, Wellington, Kan.; W. D. Ross, Otterville, Mo.; and D. P. McCracken, of Illinois. The sales were as follows: Wm. Wingate, Trenton, Mo.....\$155 S. R. Rice, Independence, Mo..... 90 H. L. Faulkner, Jamesport, Mo.....\$75.50

Table listing various stock sales and prices, including names like Leon Calhoun, Potter, Kan., and prices ranging from 200 to 27.50.

Profitable Stock Feeding

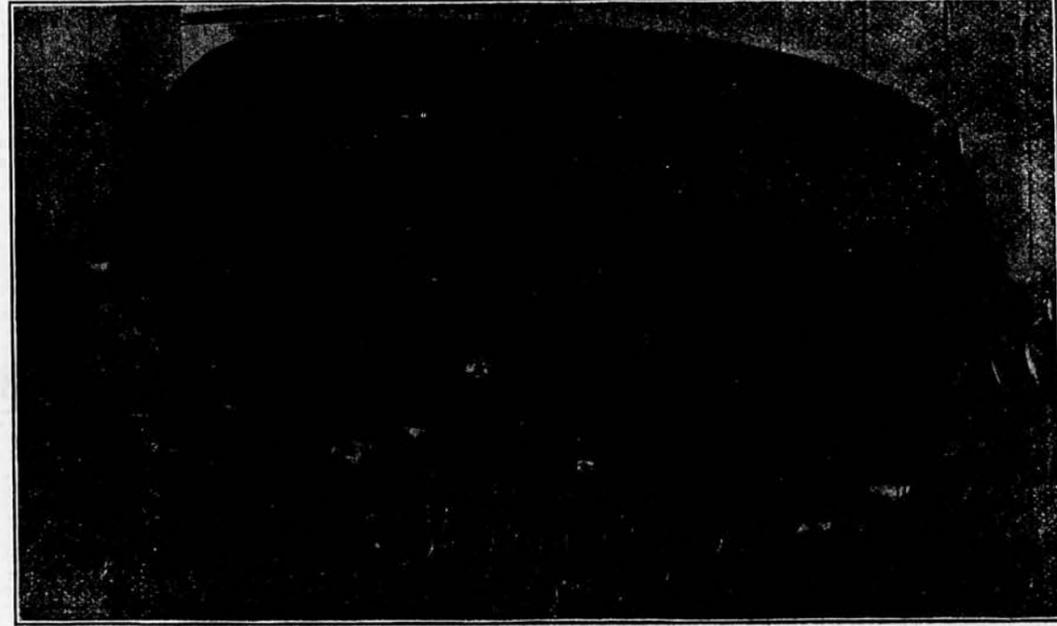
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Table listing names and prices, including J. W. Handley, Reynolds, Neb., and prices ranging from 31 to 21.

The O. L. Kerr Sale of O. I. C. Swine. Dr. O. L. Kerr, of Independence, Mo., who won all the championships at the Louisiana Purchase Exposition and at the recent American Royal, and who

plon boar, any age, at the Missouri State Fair this year. This hog weighs in the neighborhood of 1,000 pounds, yet is as sprightly and stands up on his toes like a yearling. He is a hog of wonderful scale, and at the same time a hog of remarkable smoothness and style. Most of the offering in this sale, which will consist of 10 fall and winter boars, 10 spring boars, 10 bred yearling and fall sows, and 10 spring gilts, will be the get of the champion, Mr. Waltmire has in service on his place also the boar Plato 10651, whose sire, Tenderfoot 6999, was first in class at the St. Louis World's Fair, and whose dam, Juno, was second in class at the same show. Plato was not shown at that time, but a litter brother of his was first in class for boars under six months. He was, however, shown at the Ohio and Michigan State Fairs and won first in the class for boars under six months. One of Plato's get was first in class at Sedalia this year. Among the dams in Mr. Waltmire's herd is Walnut Park Pride, one of his own breeding, a second-prize sow at the St. Louis World's Fair, and first-



Missouri Chip 2d, the great Poland-China boar at the head of C. P. Brown's herd at Whiting, Kansas.

Table listing names and prices, including H. E. Woodward, Leon Calhoun, and prices ranging from 31 to 150.

A. D. McGlothlin's Sale. The closing-out sale of the State Line Herd of Durocs, held by A. D. McGlothlin, of Chester, Neb., Oct. 13, was one of the most successful ones of the season. His stuff was in the pink of condition and so good that every buyer wanted some of it. Over 80 head were sold, and the average was a little over \$30. Below we give a complete list of buyers and prices paid:

Table listing names and prices under the heading 'BOARS', including Young Model 33111, herd-boar, T. P. Teagarden, Wayne, Neb., and prices ranging from 30 to 70.

Table listing names and prices under the heading 'FEMALES', including Royal Lass 3d 91206, F. D. Church, Chester, Neb., and prices ranging from 25 to 55.

will hold a public sale of O. I. C. swine at Independence on Friday, Nov. 2, tells how he prepares his sale stuff, as follows:

"My method of preparing a sale is to breed the very best that can be bred and retain the choice ones for auction sales. To the people who have attended my sales I only need to say that the quality will be as good as in the previous ones, while in reality it will be much better. There will be 35 boars that will make many herds famous for their quality and breeding, and 25 champion-bred open gilts that will make show mothers. This offering is produced by my great World's Fair prize-winners and will include the grand champion boar, a yearling, and other prize-winners of the recent American Royal show, where my hogs won all the firsts except one that I had entries in and six champion ribbons. "It is not in keeping with my pleasure to boast, but you must know something of the quality offered to get you to attend. I do not ask you to buy, only come and see, but I do pledge my honor as a breeder to show you stock both in the sale and in my breeding herd that you would be proud to own."

Waltmire's O. I. C. Sale. Breeders of Improved Chester White hogs, and persons looking for stock with which to found a herd of hogs of the kind that have plenty of pork in each package, will find it to their interest to read the advertisement in this issue of the public sale to be held by W. W. Waltmire, of Raymore Mo., at Pleasant Hill, Mo., Saturday, November 3. Mr. Waltmire stands right in the front rank of Improved Chester-White breeders, his herd having been a heavy winner of prizes at the shows for several years past. At the world's fair in St. Louis, he won fourteen prizes on thirteen hogs, not a bad record, it must be admitted. At the Missouri State Fair this year he won the following: First on aged boar; first on aged herd; first on herd bred by exhibitor; champion boar, any age, and second on yearling boar, 2-year-old sow, yearling sow, produce of sow, and get of sire. At the Carthage, Mo., fair this year he won not only the bulk of the prizes in classes, but the Jasper County Court special prize of \$25 for boar and three sows under 6 months, all breeds competing and eight herds representing four breeds in the ring. Something of the quality of Mr. Waltmire's offering may be learned from a look at his chief herd boar, Champion 10313, the grand cham-

prize winner at numerous county fairs in Missouri, and in a number of instances champion over all breeds. She weighs about 700 pounds. For further mention of this offering, see this department in later issues. Write to Mr. Waltmire for sale catalogue, mentioning this paper.

Where to Buy Herd-Headers.

Chas. P. Brown, a young Poland-China breeder, of Whiting, Kan., has about 20 boars yet for sale that are fit to be in any man's herd. One of them is a yearling, sired by U. C. Perfection, his dam being by Top Chief Perfection 2d, by Top Chief. Here is an animal of excellent breeding as well as a good individual, and he should go to head the herd of some enterprising, young Poland-China breeder. Mr. Brown also has a young boar by Nemo L's Duke which we consider one of the best animals we have seen this season, and he is pricing him so reasonably that whoever gets him will secure a rare bargain. The rest of his boars are sired by Mo. Chip 2d, Elite Perfection, and Williamson's Perfection 2d, who is a son of the great L's Perfection. We desire to make a few comments on Mo. Chip 2d, who stands at the head of this good herd. He is one of the smoothest animals that we have ever seen, has excellent feet, a long, deep body, and a head and ear that is almost perfect. He is a prolific breeder, and we doubt if there is a better boar in the State of Kansas than this great animal. If you need a herd header, it will pay you to write this young man. His business methods have enabled him to build up a good trade and if you buy from him you will be treated honestly.

Shorthorns at Auction at Kansas City, November 2.

Over sixty head are catalogued for the McGavock auction of Shorthorns at Kansas City on Friday November 2. Twenty of these are Scotch, and 40 are Scotch-topped, and uniform merit is maintained throughout the entire offering. There are 20 bulls, including the Missle bull, Morning Flash, whose sire and dam were both imported, and at five years old is one of the best breeding bulls in this country and no better bred Scotch bull could possibly be found. His son, Goldust, a yearling and a highly bred Scotch bull throughout is also one of the choice ones, and there are many other herd-headers to be found among the bulls catalogued. There are several imported cows and among them we must mention Fairy Maid 3d a daught-

er of the noted bull Mirabeau, and one of the best of all the Scotch cows brought to America. She is seven years old, a regular breeder, has heifer calf at foot by the champion, Lavender Viscount, and is in calf since August 27 to Modern Marshall. She is consigned by W. L. Wright, Vandalia, Mo., and was purchased for him by the noted judge of Shorthorns, Col. Geo. P. Bellows, from the herd of W. Wood I. Wood, Williamsport, Ohio. Mr. Wood is selling two of her daughters in his dispersion sale this week, and Mr. Wright retains in his herd a bull and a heifer from her, both of which are sired by Imp. First in the Ring. Space will not permit us to go into details concerning the various animals, but breeders, farmers, and stockmen generally will find that Mr. McGavock has assembled an unusually good offering for this occasion. A full list of the consignors will be found in the advertisement.

Kansas Breeders Always Get the Best.

The junior sweepstakes Galloway bull, Meadow Lawn Medalist 28750, bred and shown by C. E. Clark, St. Cloud, Minn., has been purchased by G. E. Clark, of Topeka, Kans., for a valuable consideration, probably the highest price ever paid for a Galloway calf. Meadow Lawn Medalist has a great show record for 1906. He carried off first in class and sweepstakes in all the following great shows: Minnesota State fair, at Minneapolis; Interstate Stock Fair, at Sioux City, Iowa; Missouri State Fair, at Sedalia; Interstate Live Stock Show, at St. Joseph, Mo., and the Great American Royal at Kansas City. He has the distinction of being the best Galloway bull of his age, to-day. He is sired by the grand champion Galloway bull at the Louisiana Purchase Exposition, St. Louis, 1904, Imported Worthy 3d 21228 (7762) which possesses a show-ring record that has few equals, and is out of the noted cow, Santern of Wavertree 17820, a cow that always raises prize-winners, and that cost Mr. Clark \$480 at a Kansas City sale. Mr. Clark has about one hundred head of registered Galloways in his herd at Topeka, Kans., and has selected this fine young bull to assist Lost Boy of Platte 12633 in heading his herd. He has a number of very choice cows in his herd and has shown good judgment in making his selections of herd-bulls. He believes in getting the best, as he says they are always the cheapest in the end.

Rhea Brothers' Stallions.

A few weeks ago our fieldman visited the stallion farm of Rhea Brothers at Arlington, Neb. The Rhea Brothers are breeders and sellers of high-class Percheron stallions, and we believe that any one who contemplates buying an animal this winter should go to visit their farm before making a purchase. At the present time they have nearly a hundred head of young stallions on their farm ranging in ages from 1 to 3 years, and as for individuality they are the equal of any in the country. At the Nebraska State Fair this year these gentlemen exhibited 11 animals, winning second and fourth on 4-year-olds, and first on 3-year-olds; second, third and fourth on 2-year-olds, and first, second and third on yearlings; while at the Interstate Fair at Sioux City, Iowa, in seven entries they secured five places; second on 4-year-olds, first and third on 3-year-olds, second on 2-year-olds, and first on yearlings. These gentlemen handle home-bred horses exclusively, and their animals have the advantage of being acclimated. Being raised in pastures, they are not tempered with feed and drugs, and are able to go out and give good satisfaction from the start. We were surprised at the prices they quoted us on these animals and when the quality and their breeding is taken into consideration, we believe their prices are as low as the lowest and that the stallion buyer can save many dollars by buying from them. Write them or visit their herds and mention The Kansas Farmer.

Buy One of These Herd-Boars.

Ford Skeen, of South Auburn, Neb., who is advertising three herd-boars in The Kansas Farmer, is one of Nebraska's prominent young Duroc-Jersey breeders, and the animals he is offering are worth your careful consideration. One of these animals is Liberty Challenger 31519, by Tom Thickett 16589. He is a 2-year-old, and is one of the largest, smoothest animals in Nebraska. He won first place at Nebraska in 1905 as a yearling and was pronounced by competent judges to be one of the finest animals ever shown at that great fair. Any one buying him will get a great bargain. The other two animals are McClellan 42497, by a Tip Top Notcher by old Top Notcher, and Pride of Long View 45385. Both of these fellows are strong, smooth, spring yearlings and good enough to head any herd. Look up his advertisement and write him at once.

The Kansas City Hereford Auction November 1.

It is an attractive offering of Herefords that will go under the hammer under the management of W. C. McGavock, Springfield, Ill., on November 1. Some of the best bulls with pedigrees that are unsurpassed are catalogued. There are 20 head of these and many of them should command the attention of the best breeders that are in need of herd-headers. The 40 cows and heifers catalogued, are of such quality that few breeders would care to part with them at the present time, but in them will be found the buyer's opportunity for splendid investments and the formation of high-class herds. At the recent Kansas City sale, held under the auspices of the National Association, the bulls averaged \$239.80 and the cows and heifers \$133.10. The females were considered about as good as the bulls and the \$100.00 per head difference in price demonstrates that Hereford females are selling too low and that they must advance. The cow that will raise a \$239.00 bull is worth more than \$100.00 and the man of judgment will be buying them, when such sale figures must be recorded. There is no more valuable

beef animal than the get of a Hereford bull; no bull has greater value than a Hereford; and the cow that produces him is bound to be appreciated. The buyer who buys Hereford females now is sure to reap richly and this auction on November 1 affords one of the best opportunities to secure bargains. A full list of consignors will be found in the advertisement.

CHRONIC ASTHMA CURED.

Miraculous Recoveries From Asthma and Catarrh Due to Vienna Treatment.

Evidence of the wonderful cures effected by the Vienna Toxic treatment in asthma, catarrh, and bronchitis continue to pour in from all parts of the country. Diseases of the respiratory tract have evidently this time met their master. Obstinate cases are cured in less than sixty days. The dose is minute and acts directly on the membranes and tissues and it has a wonderful tonic effect. The Toxic Laboratory, 1269 Broadway, New York City, who are the sole dispensers, have generously offered to send a test treatment to every sufferer who will write for it.

September 24, 1906.

Messrs. Z. S. & C. L. Randleman, Des Moines, Iowa.

Dear Sirs: A test of your dishwasher has greatly surprised me. If housekeepers only knew its absolute reliability and value, few homes would be without one.

When by the simple revolutions of a crank, which "turns at a touch," a person can accomplish in ten minutes what would otherwise require at least forty, it seems to good to be true.

No immersion of the hands in soapy, greasy dish-water is necessary, and this means freedom from rough and chapped hands even in cold weather. No kitchen is complete without it.

As a time and labor-saver to women, I believe it should prove as great a boon as is the sewing-machine.

Very truly,
Mary Madaline Wood.

Does Advertising Pay.

If any one is in doubt they should see some of the letters we are receiving daily at this office. For example, A. F. Reynolds, Winfield, Kans., did his first advertising with us this fall and in a recent letter says: "I have sold all my Chester-White breeding stock, thanks to THE KANSAS FARMER. I shall want to use space in your paper early next spring."

Sixty Weeks for \$1.75

Don't put off until tomorrow the matter of subscribing for THE YOUTH'S COMPANION. The publishers offer to send to every new subscriber for 1907 who at once remits the subscription price, \$1.75, all the issues for the remaining weeks of 1906 free.

These issues will contain nearly 50 complete stories, besides, the opening chapters of Hamlin Garland's serial, "The Long Trail"—all in addition to the 52 issues of 1907.

Whatever your age, six, sixteen, or sixty, you will find THE COMPANION to be your paper. It touches every worthy interest in life—every interest that promotes cheerfulness, develops character, enlarges the understanding, and instills ideas of true patriotism.

Full illustrated Announcement of THE COMPANION for 1907 will be sent to any address free with sample copies of the paper.

New subscribers will receive a gift of THE COMPANION'S Four-Leaf Hanging Calendar for 1907, lithographed in twelve colors and gold.

Subscribers who get new subscriptions will receive \$16,290.00 in cash and many other special awards. Send for information.

THE YOUTH'S COMPANION
144 Berkeley Street, Boston, Mass.

Buy a Keen Kutter.

Three out of every five men have the tool hobby. Three out of every five men are figuring on some time fitting up a corner in a store-room, cellar, or barn, where they can keep a nice set of tools. They will do it at once—now—if you show them the way. They haven't known just what tools to select. They haven't known just where and how to keep and arrange them. You show them a KEEN KUTTER tool cabinet. That's what they want. They recognize it at a glance. It's the whole thing complete, the tools, the place to keep them, the arrangement, the assortment, all perfect.

You know personally a number of men who want this cabinet. Perhaps the very day you get the cabinet in, one of them will pass the door. You call him, "John, come in here and have a look at this." That's all you have to do. You don't have to push them. No man likes tools can stand long in front of a KEEN KUTTER cabinet and not make up his mind to buy it.

Maybe you'll call his wife in instead. Christmas is coming. She has been wondering about a suitable present. Her decision is made when she sees the KEEN KUTTER cabinet.

How do you feel about it? Do you want to take advantage of this opportunity? A seller like this is not put on the market every day. We are taking advantage of it. Hundreds of our good customers are taking advantage of it. We want you to take advantage of it also.

Note the Special Prices figured on combinations of cabinets. These are for immediate acceptance. We don't promise to fill your orders at these prices next week, but we will now. Order to-day, and get started.

The Armour Meat Meal Pigs.

The three pigs shown at the American Royal for the purpose of illustrating the Value of Armour's Meat Meal as a growing and a fattening ration, and which were mentioned in our notes on the American Royal, were sold on their merits on Monday, October 15, at the extreme top of the market. At the time of their sale they were 196 days old and averaged 220 pounds. They sold for \$6.50 per hundred. Mr. J. O. Benton,

KANSAS FARMER.

Established in 1868.

Published every Thursday by the
Kansas Farmer Co.,
Topeka, Kansas

SUBSCRIPTION PRICE: \$1.00 A YEAR

Entered at the Topeka, Kansas, postoffice as second-class matter.

ADVERTISING RATES.

Display advertising, 20 cents per line, agate (fourteen lines to the inch). Continuous orders, run of the paper, \$1.52 per inch per week.

Special reading notices, 30 cents per line. Special rates for breeders of pure-bred stock. Special Want Column advertisements, 10 cents per line of seven words per week. Cash with the order. Electrotype must have metal base.

Objectable advertisements or orders from unreliable advertisers, when such is known to be the case, will not be accepted at any price.

To insure prompt publication of an advertisement, send cash with the order; however, monthly or quarterly payments may be arranged by parties who are well known to the publishers, or when acceptable references are given.

All new advertising orders intended for the current week should reach this office not later than Monday.

Change of copy for regular advertisement should reach this office not later than Saturday previous to publication.

Every advertiser will receive a copy of the paper free, during the publication of the advertisement. Address all communications to

KANSAS FARMER CO.,

625 Jackson St., Topeka, Kans.



Special Want Column

"Wanted," "For Sale," "For Exchange," and small want or special advertisements for short time will be inserted in this column without display for 10 cents per line of seven words or less per week. Initials or a number counted as one word. No order accepted for less than \$1.00.

CATTLE.

SPECIAL SALE—4 extra good Angus bulls aged 26 to 20 months, at low prices for quick sale. These are low blocky bulls good herd headers. Also heifers bred or open. Write for prices. R. H. Clay & Son, P. O. Hill, Mo.

WANTED TO BUY—One pure Scotch red Shorthorn bull between one and two years old, good enough to head a herd of registered cows. H. G. Brookover, Aureka, Kans.

WANTED TO BUY—One bull, and four to six cows of heavy milking breed. Write to Thomas W. Houston, Leavenworth, Kansas.

SPECIAL SALE—5 straight Cruickshank Shorthorn bulls for sale at bargain prices for quality. H. W. McAfee, Topeka, Kans.

REGISTERED GUERNSEY BULLS—Ready for service. Also pure-bred Scotch Collie puppies. Dr. J. W. Perkins, 422 Altman Bldg., Kansas City, Mo.

PUBLIC SALE of registered Hereford cattle, Poland China and Duroc-Jersey hogs at farm, 4 miles south of Frederick, Rice county, Kansas, on October 31, 1906. Parties arriving on train at Frederick will be furnished conveyance to farm and return. Hooper Monroe, Lyons, Kans.

ABERDEEN-ANGUS CATTLE and Percheron horses. Stock for sale. Garret Hurst, breeder, Peck, Sedgewick County, Kans.

FOR SALE—Four very fine D. S. Polled Durham's bulls, at reasonable prices. C. M. Albright, Overbrook, Kans.

FOR SALE—About 200 head of high-grade, long, 2-year-old steers. Forty head of high-grade Angus, balance Durhams and Herefords; all deborned. Come or write at once. Telephone connections with ranch. Smith Bros., Wilmore, Kans.

FOR SALE—Yearling Jersey bull, old enough for service, sired by Dairymaid's King 66908, a grandson of King of St. Lambert out of a daughter of Old Exile of St. Lambert, the greatest of all bulls of the breed. Dam of young bull is Andie's Commodity 157184 by commodity, a grandson of Paymaster out of a daughter of Combination. The dam is a five-gallon Jersey with extra good bag and large teats. Price \$50. Also the registered cow Luzena's Exile 178154, a granddaughter of Old Exile out of a granddaughter of the great Pedro. Due to calve to Dairymaid's King (above) Oct 24th. She was dropped June 17, 1902 and is a choice animal in every way. Price \$100. George West Maffet, Lawrence, Kans.

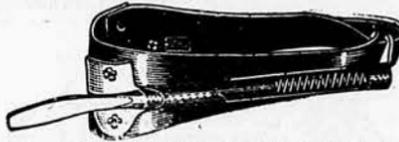
SERVICE TABLE

Every farmer and breeder of stock should have one. Tells just when animals are due at a glance. SAVE THE YOUNG BY KNOWING WHEN TO LOOK FOR THEM. Absolutely correct. Only 10c. Send today E. W. SMOLTY, 508 W. Main St., SPRINGFIELD, ILLINOIS

Onago, Kansas is the selling agent for the Armour Meat Meal which has proved a wonderfully efficient concentrate for feeding pigs.

A Husker's Experience.

"I've husked many a bushel of corn; had my wrist and hands nearly paralyzed from strain. I've used lots of different kinds of huskers. Some were better than others, but I haven't struck anything that fills the bill better than



Akin Husker, made by Smith & Davis, Ames, Iowa. It's easy on the hand and relieves the wrist because there's a piano-wire spring at the butt of the peg. When you jab your hand with the husker on it into a tough husk, the spring takes up the shock and gives your hand and wrist a lot of comfort. You can work fast and often beat the fellow in the next row. It fits snug too, and holds the fingers together so my hands don't get blistered as easily as they used to.

"I got my Akin Husker by sending a quarter by mail to Smith & Davis. I guess in most places the stores keep them."—One Who's Had Experience.

HORSES AND MULES.

FOR SALE—Registered black Percheron Stallion, weight 1900 pounds, 8 years old. Will trade for horses or cattle. Elmer E. Stormont, Dighton Kans.

FOR SALE—At reasonable prices, Black Imported Percheron stallions. E. N. Woodbury, Cawker City, Kans.

FOR SALE—One black team, 6 and 7 years old, weight 2,800 pounds. Mr. & Mrs. Henry Schrader, Wauneta, Kans.

CUT PRICES on registered Clydesdale horses, Shorthorn and Jersey cattle; P. C. and O. I. C. and Duroc Jersey hogs; 40 varieties of poultry and pet stock; pure seeds and nursery stock. Money saving catalogue 10 cents. A. Madsen & Son, Atwood, Kans.

SWINE.

FOR SALE—Seven Poland-China boars, April and May farrowed, sired by Keep On Jr. by Keep On and Imperia Chief. Also 7 Shorthorn bulls. Adam Andrew, Girard, Kans.

POLAND-CHINA BOARS—Serviceable age, choice April farrow. Now ready for sale. Write or call on H. C. Horner, 1336 Lane St., Topeka, Kan

FOR SALE, O. I. C. HOGS—2 choice boars and 1 sow at reasonable prices. W. W. McDie, Osage City, Kans., R. 2, telephone C 3 rings.

FOR SALE—Thoroughbred Duroc-Jersey pigs, boars large enough for service. Prices right. I. W. POULTON, Medora, Kansas.

REAL ESTATE.

WE HAVE for sale one of the best ranch and farm propositions in Kansas. Write us for particulars. We are in the big four country. Corn, cattle, hogs and alfalfa. J. C. Hoyt, Eldorado, Kans.

POULTRY.

COLLIES—More of those richly bred pups, ready to ship; sired by a grandson of Ormsirk Galopin. From \$4 to \$7. A. P. Chacey, North Topeka, Kans.

SCOTCH COLLIES.

The breed that lays in the breed that pays—100 cockerels for sale. S. C. B. Leghorns, nice and dark, not yellow necked. \$1 each. \$4.50 for six. Jewell Brothers, Humboldt, Kans.

MISCELLANEOUS.

WANTED—A man to run dairy on shares, modern equipment new, and thoroughbred Jersey herd. For further particulars address D. C. Darroch, M. D., Fredericksburg, Texas.

WANTED when the season opens Kadri corn and sunflower seed; also wheat, barley, corn and oats. Wm. Kotsted Company, 64 West Kinzie St., Chicago.

Write W. J. O'Connor, Eureka Springs, Ark., for fruit and mineral lands in Northwest, Arkansas.

THE CEMENT WORKERS HAND BOOK tells farmers all about cement work. How to build walls, floors, walls, tanks, cisterns, blocks, posts, etc. Fourth edition revised. Cloth bound. Send 50 cents to W. H. BAKER, Wadsworth, O.

WANTED—Ladies to work on piece work, \$3 per dozen. All material furnished. No canvassing; steady work. Stamped envelope. Best Mfg. Co., Champlain Bldg., Chicago, Ill.

6,000 FERRETS—Some yearlings, especially, trained for rats. Book and circular free. Levi Farnsworth, New London, Ohio.

HONEY—8 cts. per lb. Write A. S. Parson, 514 S. Main St., Rocky Ford, Colo.

WANTED—Non-union molders. Call or write Topeka Foundry, 318 Jackson, Topeka, Kans.

WANTED—A good second-hand grain separator. Dr. Barker, Chanute, Kansas.

WANTED—At once sound young men for firemen and brakemen on railroads; high wages; promotion; experience unnecessary; instructions by mail at your home; hundreds of good positions now open. Write National Railway Training Association, 620 Paxton Block, Omaha, Neb.

Stray List

October 25, 1906.

Labette County—A. E. Townsend, Clerk. STEERS—Taken up by T. A. Howard, in adna, Sep 6-19, 1906, one 2-year-old light red steer, underfoot and crop on right ear, valued at \$15. Also one 3-year-old red and white spotted steer, underbit and crop of right ear, valued at \$15.

Notice of Final Settlement. The estate of Kansas, Shawnee County, ss. In the Probate Court in and for said County. In the matter of the estate of John B. Lewis. Creditors and all other persons interested in the aforesaid estate, are hereby notified that I shall apply to the Probate Court in and for said County, sitting at the Court House in the City of Topeka, Shawnee County, Kansas, on the 3d day of December, A. D. 1906, for a full and final settlement of said estate. Dated Topeka, Kansas, October 17 A. D. 1906. ROBERT STONE, Executor of the estate of John B. Lewis, deceased.

PIONEER HERD OF DUROC-JERSEY SWINE

Herd headed by Red Chief, 1st prize winner at Hutchinson, assisted by Chief Graud by Ohio Chief. Sows of equal merit. 15 large growthy males and 25 sows, some bred. To these males I breed big boned, quick feeding females. Describe what you want and write for prices. N. B. SAWYER, Cherryvale, Kans.

H. L. CHRISTMAN, THAYER, KANS.

Live - Stock - Auctioneer
Draft Horse and Hog
Sales a Specialty.....
WRITE FOR DATES AND TERMS

LUMP JAW

A positive and thorough cure easily accomplished. Latest scientific treatment, inexpensive and harmless. NO CURE, NO PAY. Our method fully explained on receipt of postal. Chas. E. Bartlett, Columbus, Kans.

SOUTH DAKOTA.

West of Chamberlain

That famous stretch of South Dakota country lying between Chamberlain and the Black Hills, which up to the present has been occupied by wealthy ranchmen, no longer exists as a ranching country. The cattle and sheep kings have been driven out by the homesteaders, many of whom are still living in their shanties and sod-houses, guarding their interest until Uncle Sam shall be ready to come to their assistance and give them a legal right to 160 acres. A country as fertile as that Western country is, could not remain the permanent home of ranchmen in the United States where the population doubles every twenty-five or thirty years. This Western country has been considered by cattle and sheep men as the very finest grazing country in the west. It was productive because the soil is wonderfully fertile, and because of this very thing it will without question in the future make one of the most prosperous agricultural sections in the State of South Dakota, and for that matter in the United States.

The transformation, in South Dakota, from a grazing to a farming country has been so sudden and so complete that it is almost impossible to comprehend the change. While this vast territory in the past supported thousands upon thousands of cattle and sheep, and while it has brought wealth to many individuals, it will in the future produce many times as much wealth and support a hundred times as many people. It is only four years since droves of from 40,000 to 50,000 cattle used to be rounded up every fall just south of the White River in the Rosebud reservation. The cattle were driven in there from Meade, Stanley, and Lyman Counties and sent to the great slaughter houses further east. Droves of from 3,000 to 6,000 cattle and herds of sheep numbering 10,000 could be seen any time during the spring season all over the section mentioned. These herds were profitable to their owners, because the pastures were covered with a thick mat of buffalo-grass, both winter and summer. Such herds can be seen no more. Here and there one still sees herds of from 500 to 1,000 head, but even they are scarce.

The land around Presho is gently rolling. It is well drained, only here and there are found small patches that some time in the future will need drainage. The soil is rich; it is a black heavy loam with somewhat of a gumbo consistency. It has a good clay subsoil that is capable of retaining a large amount of moisture. It contains no gravel or stones of any kind. For farming purposes the soil is ideal. The only question is whether or not the rainfall will be sufficient for farming purposes. Whether it will or not we are unable to say. We have, however, great confidence in the future of Presho as a great agricultural center. Government statistics show that in 1899 there was a total rainfall at Chamberlain, 40 miles east of Presho, of 17.11 inches; in 1900 the rainfall at this point was 21.19 inches, in 1901 26.62 inches, in 1902 14.81 inches, and in 1903 13.79 inches, making an average for the five years of 18.70 inches. In this connection it will be of interest to know that during the months of April, May, June, and July of the years referred to the average rainfall was 9.56 inches. In other words, a little over one-half the total rainfall each year came during the growing season—just at the time it is most needed. We have no statistics for the years 1904 and 1905, but it is a well-known fact that both were good crop years. So far this year the rainfall has been abundant and the crops look so well that it seems almost incredible.

We had the pleasure of visiting Presho last week and we can truthfully say that we saw no better crops along the Chicago, Milwaukee & St. Paul Railway, from Sioux City to Chamberlain than we saw from Chamberlain west to Presho, in fact as a whole, crops around Presho are better than they are between Mitchell and Chamberlain. Last year many farmers around Presho raised 20 bushels of bluestem wheat per acre and 30 to 35 bushels of macaroni wheat; oats went from 40 to 60 bushels per acre, and corn from 25 to 60 bushels. That the people generally have great confidence in this Western country is evidenced by the fact that claims, to which homesteaders have just received title from the Government, are selling at from \$1,000 to \$2,000. Deeded land is changing hands rapidly at from \$12 to \$20 per acre. The country is being settled principally by farmers from Wisconsin, Minnesota, Iowa, Nebraska, and Illinois. It is interesting in this connection to note that most of the farmers who have moved there, either as homesteaders or as purchasers, were formerly renters in the States mentioned.

We drove over an area of ten miles in all directions from Presho, and we stopped to talk with a great many farmers and all we talked with had heretofore been renters and had come west to secure cheap land and to become owners of their own farms. There are thousands upon thousands of farmers who ought to do the same thing. It is not too much to say that a man is able to go into this section and buy a quarter of land, break it all up and put it into grain-crops, provided the first season is favorable, and pay for the land in one year. As a renter farther east he can make a living for himself and family and that is about all. In this new country he can own a farm in from one to three years, and a farm that in ten years from now will be worth three or four times its present market value. The opportunities in the West are large; we have confidence in this particular section, and we expect to see every quarter section between Chamberlain and Rapid City occupied before fall.

A short time ago when the town lot sale was held at Presho the sales amounted to \$15,000; the lots in the next town west, Vivian, sold for \$8,000; those in the second town west of Pre-

sho, Draper, for \$12,000; and those at Murdo, the third town west of Presho, sold for \$30,000. This gives an idea of the present activity in that Western country. We were told that on July 17 a lot was advertised to be sold for \$400 and before night it brought \$700.

One of the farmers we visited was A. E. Hulce. Mr. Hulce came from Vall, Iowa, and moved onto his claim March 30, 1903. He has only about 40 acres of land under cultivation. He brought with him cattle, horses, and farm machinery from Iowa and some good seed, hence what he has on his farm is of the very best. He has a herd of ten cows, grade Shorthorns, and sells cream in Presho for 15 cents per pound of butter-fat. His oats last year produced 42 bushels per acre. His oat-crop this year is nearly ripe, and he judged that the yield would be about 45 bushels. His macaroni wheat will yield fully 35 bushels per acre and his bluestem in the neighborhood of 18. He seeded millet on breaking a year ago the first of June and cut four tons of forage per acre in the fall. His flax last year produced 12 bushels per acre. "I am delighted with this country," said Mr. Hulce. "I have been renting all my life in Iowa. I thought I would try my luck out here and I can truthfully say that I feel as though I were on the road to make a fine home for my family and to lay up something for old age. I have great confidence in the future of this section. I have no fear of severe drouths. We can grow alfalfa, bromegrass, macaroni wheat most any year, and we can grow corn every season that had a reasonable amount of rainfall. We may now and then have a dry year during the next decade, but after that I believe that we will be as sure of a crop every season as they are in Iowa."

Mr. J. R. Corkill lives three and one-half miles southeast of Presho and began operations on his farm March, 1905. Mr. Corkill is on a homestead. He has built a nice house and a good barn. He has four cows and in the near future expects to increase his herd to ten cows. At present he is making butter which sells at Presho at 15 cents per pound. "Last fall my sod corn produced 30 bushels per acre," said Mr. Corkill. "I expect my oats will yield 40 bushels per acre this year and my macaroni wheat close to 35 bushels. My corn is a little late. It has, however, been making such rapid progress during the last two weeks that I have no doubt of securing a good crop this fall. I dug a well 27.5 feet deep this spring in which there are five feet of water. As you see, out yonder we have a good garden. We have raised carrots, peas, lettuce, beans, radishes, and all sorts of garden truck this spring, and just as soon as we get the sod a little more subdued, we shall set out strawberries, currants, gooseberries, and all kinds of small fruit, as I know from what I have seen at other places in this vicinity that small fruit will do well. The wild grass that grows out here is wonderfully nourishing. We feed no grain to our cows giving milk and yet from the four cows we are milking now we are producing 20 pounds of butter per week."

G. L. Washburn has a farm nine miles northeast of the town. Mr. Washburn came from Plymouth County, Iowa.

Mr. Washburn already has 135 acres of his quarter under the plow. He is a man who keeps a close record of yields. Here is his report: "Last year one of my corn-fields, 40 acres in extent, produced 62 bushels per acre, another 10-acre field 52 bushels; 20 acres of millet produced 80 tons of the finest millet hay I ever raised anywhere. Potatoes on sod produced 150 bushels per acre. Judging from the yields secured last year and from the appearance of the crops as they stand in the field today, and the wheat is nearly ready to cut, my bluestem wheat will produce 23 bushels per acre and my macaroni 33 bushels per acre. It is too early to say anything about the corn yield, but it looks to me as though I would get as large a yield as I did last year. The soil here is wonderfully fertile. I have the utmost confidence in the future of this section. In my mind there is no question about rain. We will have plenty of it. We have had more than we needed this year; we had more than we needed last year. I have 65 acres in corn, 60 acres in wheat, 10 in oats, and about 25 in pasture. As soon as I can get around to it I shall seed down some land to grass and break up every foot of my farm. I am milking 16 cows, delivering my cream in Presho, and during the summer months have been getting 15 cents per pound for butter-fat. I have a well 17 feet deep in which the water stands to a depth of five and one-half feet and it contains an abundance of good water." —Farmers' Tribune, Sioux City, Iowa, July 26, 1906.

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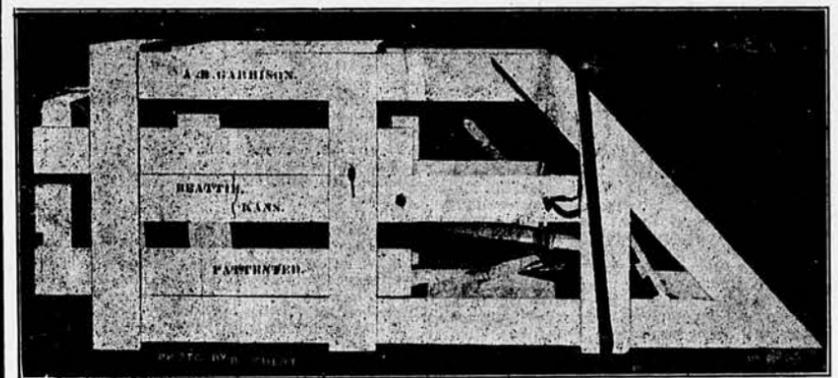
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