

KANSAS FARMER

WITH WHICH IS COMBINED FARMERS ADVOCATE

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The Kansas State Farmers' Institute

This is an age of machinery. It is an age of good machinery. More than this, it is the age of the best machinery. The best possible machinery on the farm is brains and the question of how best to develop and perfect these is the one that is now being solved at the greatest agricultural college in the world.

The founders and builders of the Kansas state agricultural college were men of long, long thoughts. They foresaw that agriculture would be the foundation of the nation's prosperity and that Kansas would be its corner stone. They foresaw, in some dim way, the wonderful progress which should be wrought in science and invention in these latter days and endeavored to provide for it. They foresaw that the future citizen who would be trained as he should be trained would keep abreast of his times and become the leader of his fellows and not be of those in the ranks who were lagards under the constant spur of necessity in order that they might retain any place in life's work. These men foresaw and builded and they builded better than they knew. The Kansas state agricultural college is the result of their thoughts, their plans and their work.

A state is as its citizens are. The training of the mass of its citizens determines the mental and moral status of a state and not the special development of the few. That community is most nearly ideal in which all of its citizens are trained to usefulness and not that one in which a few only are highly trained to become leaders of the ignorant masses.

The Kansas state agricultural college is founded upon the idea of the greatest good to the greatest number. It has been equipped by the general government and by the state with a magnificent plant—a splendid farm of varying qualities of soil, magnificent buildings, efficient apparatus and expert instructors. Its student body numbers thousands of the world's brightest and best and yet its usefulness was limited and it did not carry the greatest good to the greatest number.

While thousands of the youth of the state profited by what this great institution had to offer there were yet other thousands to whom it was not accessible. Men and women of mature years who had been deprived of such early advantages were sorely in need of what this col-

A STATE-WIDE SHORT COURSE OF STUDY IN A PRACTICAL SCHOOL

lege offered so freely. As these could not go to the college, which was of necessity fixed in its place, the college went to them and a series of farmers' institutes was organized wherein the farmer and his family could get much of real knowledge in a very short course of study at their home towns. Short courses of study lasting but a few weeks each winter were also founded at the college for the benefit of those who could leave their farms. In these ways the usefulness and value of the agricultural college were immensely extended and its great object more nearly attained.

Under the very efficient management of Supt. J. H. Miller of the farmers' institute department the idea of combining these into a state-wide institute was embraced and the great assembly of farmers, their wives, sons and daughters which gathered at the college last week was one result, while the benefits they derived from the lectures and demonstrations was another and far greater. In this work all of the best talent of both the college and the experiment station was available while experts of national renown were present to assist.

The Stock Judging.

Prof. R. J. Kinzer and C. G. Wheeler, assistant in the department of animal husbandry, afforded the assembled farmers and their sons an opportunity to secure accurate knowledge in stock judging such as few of them had ever

hoped to secure. The herds of pure bred animals belonging to this department were used as were some of the Herefords consigned to the public sale. Among the animals shown by the college were the prize winning steers which won at both the American Royal and the International Live Stock Exposition last fall. These afforded the amateur judges a rare opportunity to see really high class cattle and at the same time to observe the results of the perfect methods of fitting employed in Prof. Kinzer's department. Percheron horses, Short-horn, Hereford, Aberdeen Angus and Galloway cattle besides several breeds of sheep and swine were used as object lessons by the students trained in the use of the score card.

The Poultry Institute.

Allen G. Phillips is a hustler and he knows poultry. He and Mr. Lamb may congratulate themselves upon the complete success of the poultry institute. Prof. J. C. Kendall, W. H. Maxwell of Topeka, C. C. Smith, Manhattan, Prof. J. O. Hamilton, Miss Katrine Krudop, Manhattan, Mrs. A. J. Pottorf, Riley and other experts presented papers, while the visitors had access to the model pens, houses and yards belonging to the college.

Women's and Girls' Work.

Under the very capable supervision of Mrs. Mary Pierce VanZile, who is an alumnus of the college and its dean of women, a highly instructive pro-

gram was prepared for the women and girls. This included lessons in cookery and in sewing in the splendid new home of the domestic science and arts department, with lectures by Mrs. VanZile and Miss Ula Dow, assistant in domestic economy and Miss Antonetta Becker, superintendent of domestic art. The subject matter of the addresses and demonstrations covered a wide range in the economy of the home.

The Kansas Sheep and Wool Growers' Association.

Last fall, at the American Royal, a number of sheep breeders and others who are interested in this profitable farm animal, held a meeting and decided to organize into a permanent association during the state institute at the agricultural college. Pursuant to this arrangement the audience was called to order by E. D. King of Burlington, with I. D. Graham of KANSAS FARMER as temporary secretary.

A considerable number of the boys who were in the corn contest were present, showing interest in the possible development of what was once a profitable industry in Kansas. It has long been the belief of the writer that it would be vastly more profitable for Kansas farmers to raise sheep than dogs, and it is his belief that there is room for a few sheep on almost any farm.

A program has been prepared for this meeting, which included the names of several authorities on sheep raising. Mr. E. E. Hazen of Hiawatha discussed sheep raising in the corn belt at considerable length. He was followed by Mr. Chandler, the well known importer of Iowa, who mentioned among other things that he had had comparatively little difficulty with bloat in his sheep from pasturing on alfalfa, provided he took care to see that they did not graze when the dew was on the clover. He also emphasized the fact that it was absolutely necessary to keep sheep in a dry pen or shed. They are capable of withstanding any climatic conditions which exist in Kansas, provided they are kept dry. In answering a question as to how many sheep could be kept on a given amount of pasture, Mr. Chandler stated that farm would support as many pounds of sheep as it would of cattle or horses. If a sheep weigh 200 lbs., then five head of this size can



One of the Wide as a Wagon Draft Stallions Imported and for Sale by Frank Iams, St. Paul, Neb.

be kept on the same feed that would be required to support a 1,000-pound steer. He suggested that sheep could be fed as easily as cattle but that the kind to be fed would depend entirely on the market conditions. Sometimes it is more profitable to feed wethers and at other times lambs are better. In founding a flock 3-year-old western ewes of good stock with from three to five top crosses make the best foundation, whatever breed may be chosen. He restrains his sheep with a 26-inch woven wire fence, although five barb wires properly strung will do the business. Another point of importance was the statement that his practice is to sow about three pounds of rape seed per acre in his corn when he lays it by. It is then large enough and of sufficient value to be very profitable for pasturing lambs before corn shucking time. Sheep are no more liable to disease than are hogs and are much more profitable.

Professor Kinzer of the agricultural college gave a very interesting talk on mistakes in selecting breeding sheep. The professor discussed this paper from the standpoint of what is best to do in order to avoid mistakes and his first recommendation was that a breed should be chosen which is best suited to the conditions under which it will be handled. He recommended a thorough study of the different breeds, and the selection of that which has been developed under the conditions most nearly like those in which they are to be placed. Then study the breed character for that bred and select typical animals. Learn who are the best breeders and go to them for your foundation stock. Never buy



A. D. Shamel, of the Department of Agriculture, one of the lecturers at the Corn Institute at the Kansas Agricultural College.

sheep which have been fitted for the show ring but choose those which show vigor and constitution. Avoid extremes. Get animals with medium bone that is firm of texture, and the animals will mature to medium size, with abundance of finish and quality. Be careful to select animals that have good weight in the loin and the hind quarters, and those that have typical coats of wood for their breed. Good feet are important as well as straight legs. The professor's remarks were listened to attentively, and many valuable pointers were gained from his discussion of the subject.

Mr. W. F. Baird of LaCygne gave an excellent paper which will appear in these columns. The election of permanent officers then being in order, the following ticket was unanimously elected: President, E. D. King, Burlington; vice-president, W. F. Baird, LaCygne; secretary-treasurer, E. E. Hazen, Hiawatha. A special committee consisting of Prof. Kinzer and Messrs. Hazen and Hammond was appointed to draft a constitution and

by-laws for adoption at a later meeting.

The constitution and by-laws of the Kansas Sheep and Wool Growers' Association follows:

CONSTITUTION.

Preamble.

We, the undersigned breeders of sheep in the state of Kansas, recognizing the importance of improving the sheep of the state, and for mutual protection, profit and pleasure do hereby unite in forming an association and adopt the following constitution.

The name of this organization shall be the Kansas Sheep and Wool Growers' Association.

Article II.—Object.

The object of this association shall be to further in every possible way the sheep interests of the state.

Article III.—Membership.

Any person breeding or feeding sheep, or in sympathy with the sheep industry may become a member.

Article IV.—Officers.

The officers of this association shall be a president, vice president, and secretary and treasurer who shall be elected by ballot at the annual meeting and hold office for one year or until their successors are elected.

The officers shall constitute a board of directors, and a majority shall have power to transact business for the association when it is not in session.

BY-LAWS.

Section 1. The annual meeting of the association shall be held at the state agricultural college the first week in January of each year.

Sec. 2. The annual dues and membership fee of each member shall be \$1.00.

Sec. 3. The duties of the officers of the association shall be the duties usually assigned to such officers.

Sec. 4. The constitution and by-laws may be altered at any annual meeting by a two-thirds vote of the members present and voting.

The Corn Institute.

Kansas is a great corn state. Upon this king of crops depends and must continue to depend the work, the wealth and the welfare of a large portion of her citizenship. Every effort to create an intelligent interest in this crop and its culture in the minds of the boys and girls of the state should receive the most earnest encouragement of all while the direct and prospective value of the increased information about kinds, methods and management to the men and women can hardly be estimated.

The exhibits of corn for both the boys' and the farmers' contests were arranged in the girls' gymnasium, which afforded ample room and light while the program of lectures and demonstrations was rendered in the chapel. A. D. Shamel and W. J. Spillman of the United States department of agriculture; Ed. H. Webster, lately chief of the dairy division and now dean and director of the experiment station, and Profs. A. M. TenEyck, H. F. Roberts, T. J. Headlee, Geo. F. Freeman and C. K. McClelland were among the experts whom Supt. Miller called to his aid in the corn institute. The corn was judged by J. G. Haney,

a graduate and former instructor of the agricultural college whose home is Oswego, Kan., and Arnold Martin, DeBois, Neb., with the following results:

STUDENTS' SCORE CARD FOR CORN.

Agronomy department, Kansas state agricultural college.

Number of exhibit:

Name of variety:

Trueness to type or breed characteristics: 1. Shape of ears: cylindrical, straight rows, proportional length to circumference, 10. 2. Length of ears, conformity to standard, 5. 3. Circumference of ears, conformity to standard, 5. 4. Color: (a) grain, no mixed kernels, 5. (b) Cob, white kernels, white cob; yellow kernels, red cob, 5. 5. Uniformity of kernels: Uniform size shape, indentation, 10. Total 40.

General quality, as related to yield, feeding value, and vitality of seed: Proportion of corn to cob as indicated by: 1. Butts of ears, kernels swelled out about shank regularly, 5. 2. Tips of ears: Filled out with regular sized kernels, 5. 3. Kernels: (a) Shape: Slightly wedge-shaped, straight edges, 10. (b) Depth: Deep or long, 10. 4. Space: Furrow between rows, 2 1/2. (b) Space between kernels at cob, 2 1/2. Total 35.

Composition and feeding value: Large germs and horny layer, and a relatively small amount of the white starchy portion, 10. Total 10.

Market condition and value for seed: 1. Vitality: Bright, well matured, firm on cob, large bright germ, 10. 2. Soundness or freedom from injury: No cracked, rotten, worm eaten, or otherwise injured kernels, 5. Total 15. Grand total 100.

Per cent of shelled corn as determined? Rank of three best ears, (1), (2), (3)? Rank for protein and oil, (1), (2), (3)? Student's name? Date?

PRIZE WINNERS KANSAS BOYS' CORN CONTEST.

First premium, \$50 cash by Arthur Canper, Topeka, Kan., to Paul Gilman, Leavenworth.

Second premium, No. 1 Farm tanning mill with corn grader attachment, by A. P. Dickey Mfg. Co., Racine, Wis., to Oaklan Snyder, Hiawatha.

Third premium, Cotton King Reversible disk harrow, by International Harvester Co., Topeka, to Edgar Cox, Overbrook.

Fourth premium, 150 pounds choice alfalfa seed by Mangelsdorf Bros. Seed Co., Atchison to Lloyd Swihart, Lovewell.

Fifth premium, \$15 cash and \$5 dish by O. W. Holt, Manhattan, to Frank Coffman, Manhattan.

Sixth premium, \$12.50 cash to Lloyd Cochran, Topeka.

Seventh premium, double barreled shotgun by E. B. Purcell Trading Co., Manhattan to Edward Leigh, Hanover.

Eighth premium, two bushels of pure bred seed corn by J. M. Gilman, to Herbert Haymer, Louisville.

Ninth premium, \$5 cash to Stewart Maley, Cawker City, Kan.

Tenth premium, Merchandise by Spot Cash store, Manhattan, to Ned Brown, Larned.

Eleventh premium, one pair full vamp shoes by The Leader, Manhattan, to J. E. Willis, Manhattan.

Twelfth premium, \$2.50 cash, to A. C. Christopherson, Garrison.

Thirteenth premium, one pair buggy dusters by H. A. Elias, Manhattan, to Henry Olson, Baker.

Fourteenth premium, \$1 cash, to Robert B. Shannon, Hiawatha.

The other prizes, consisting of subscriptions to various papers, were awarded as follows: 15th, August Engler, Topeka; 16th, Clarence Granfield, Mayo; 17th, Chas. Kiefer, Clifton; 18th, Bert Banks, Cawker City; 19th, Abner Lundquist, Lindsborg; 20th, Henry Leigh, Hanover; 21st, Albert Dieball, Alma; 22d, Ora Wolf, Uniontown; 23d, Lesley Milligan, Clay Center; 24th, Charley Part, Rossville; 25th, Harmon Williams, Wellington; 26th, Ralph Gilman, Leavenworth; 27th,

Titus Bowser, Larned; 28th, Lowell M. Chester, Paola; 29th, Seldon Bowman, Topeka; 30th, Newton Kern, Louisville; 31st, George Bennett, Lovewell; 32d, Hutchison, Bellaire; 33d, Carl Rhoades, Hiawatha; 34th, Ira Woods, Silver Lake; 35th, Merrill Hamm, Holton; 36th, Fred Koh, Paola; 37th, Ernest Resser, Rossville; 38th, Mark O'Connell, Oswego; 39th, Leon Peterson, Ackerland; 40th, Edgar Chase, Hiawatha; 41st, Myron Johnson, Oden; 42d, George Bell, Effingham; 43d, Harold O'Leary, Topeka; 44th, Lannes Long, Drexel; 45th, Lester Mack, Onaga; 46th, Cockrell, Oswego; 47th, Will Dodson, Haven; 48th, Reuben Snapp, Belleville; 49th, Herbert Green, Olathe; 50th, Herman Blue, Wamego; 51st, Mike Kessler, Rossville; 52d, Carl Martin, Belleplaine; 53d, Louis Reiss, Wamego; 54th, Ethridge Leggett, Eudora; 55th, Maurice Babb, Wakefield; 56th, Babb, Wakefield; 57th, Edwin Oyster, Topeka; 58th, Richard Hoffmeister, Topeka; 59th, George Padgett, Kingman; 60th, Ed Hollister, Sedgwick.

PRIZE WINNERS—MEN'S CORN CONTEST.

Judges, J. G. Haney, Oswego, Kan.; Arnold Martin, DeBois, Neb.

Class A, best 10 ears yellow corn.

First premium, Black Hawk corn plant by D. M. Sechier, Moline, Ill., to C. C. Sanford, Onida, Kan.

Second premium, 150 pounds of alfalfa by Ross Bros. Seed Co., Wichita, to S. Trent, Hiawatha.

Third premium, \$10.00 cash and grader by Chas. Hunnicutt, Wilmington, to Ed Flaherty, Seneca.

Fourth premium, three bushels Reid yellow dent corn by S. G. Trent, Hiawatha, to J. T. Martin, Hanover.

Fifth premium, one year's subscription Daily Capital and five years' subscription Kansas Farmer, to L. V. Sanford, Onida.

Other places representing merchant prizes were awarded as follows: Sixth premium, \$10.00 cash and grader by Chas. Hunnicutt Co., to E. W. Snyder, Hiawatha; eighth to E. W. Snyder, Hiawatha; ninth to Frank TenEyck, Concord; tenth to J. D. Ziller, Hiawatha; eleventh to W. O. Beardmore, Concord; twelfth to Christopherson, Garrison; thirteenth to N. Kelsey, North Topeka; fourteenth to G. Kelsey, North Topeka; fifteenth to L. Swihart, Lovewell.

Class B, best 10 ears white corn.

First premium, corn planter by John De Plo Company, Kansas City, to L. V. Sanford, Onida.

Second premium, 150 pounds of alfalfa seed by J. G. Peppard, Kansas City, to E. W. Lawrence.

Third premium, \$10.00 cash and grader by Chas. Hunnicutt Co., to E. W. Lawrence.

Fourth premium, three bushels Reid County White corn by S. G. Trent, to L. V. Sanford, Onida.

Fifth premium, one year's subscription Daily Capital and five years' subscription Kansas Farmer, to F. D. Morland, Courtland.

Other places representing merchant prizes were awarded as follows: Sixth premium, \$10.00 cash and grader by Chas. Hunnicutt Co., to E. W. Lawrence; eighth to C. Sanford, Onida; ninth to Alva Caldwell, Kincaid; tenth to S. G. Trent, Hiawatha; eleventh to Frank TenEyck, Concord; twelfth to J. M. Coverts, Stark; thirteenth to R. A. Willis, Manhattan; fourteenth to Homer Willis, Manhattan; fifteenth to E. W. Lawrence, Fort Scott; seventeenth to Geo. Bennett, Lovewell.

Class C, best 10 ears mixed corn.

First premium, 10 bushels Red River seed potatoes by Geo. T. Fielding & Son, Manhattan, to J. N. Gilman, Leavenworth.

Second premium, one year's subscription Daily Capital and grain grader by Chas. Hunnicutt, to Ray Gilman, Leavenworth.

Third premium, merchandise, A. R. Smith, Belleville.

Sweepstakes.

First premium, \$10.00 in cash, to C. Sanford, Onida.

(Continued on page 12.)



The State-Wide Farmers' Institute. Group of a part of the members with the boy corn contestants in front. Taken by S. C. Orr of Manhattan on steps of Anderson Hall.

Forty-one Thousand Tuberculin Tests

The following report on work to prevent the spread of tuberculosis is furnished by Arthur J. Bill, for the Illinois Farmers' Institute:

Wisconsin has the past three years applied the tuberculin test 66,527 times. Nearly 41,000 cattle were tested the past year, 1907-8, and 2,300 of these were found to have tuberculosis. Twenty-four hundred herds were tested and the disease was found oftener than every fourth herd. The farmers of Wisconsin are seeking the truth about this hidden disease that creeps stealthily forward to destroy a great industry. And they also see that it is money in their pockets to act upon the truth found and apply the remedy—the Bang method of isolation.

Since Prof. Russell employed this method in raising 27 healthy calves from diseased mothers, more than ten years ago, many Wisconsin cattle owners have done the same, with marked success, in several instances particularly with pure bred herds. In fact the condition of their receiving free tuberculin for the testing is that they agree "to remove tuberculous animals at once from the healthy portion of the herd, so as to prevent further spread of the disease, and not to sell them to any person except for immediate slaughter." Here are the definite results accomplished in three years in four typical cases, including both large and small herds:

Herd 1; 156 head tested, 76 diseased; now 130 non-tuberculous animals. Herd 2; 40 animals tested, 21 reactors, 17 of which remain; now 43 healthy cattle, including young animals raised from the diseased mothers. Herd 3, 189 tested, 59 reactors; today 185 healthy and no reactors. Herd 4; 34 tested; 16 reacting; now 64 healthy animals and 7 diseased. Total in first test, 419 cattle; 41 per cent diseased; disease now reduced to less than 6 per cent.

Dr. H. L. Russell, bacteriologist, and

now dean of the Wisconsin College of Agriculture at Madison, who has been in the lead of that state's practical campaign against tuberculosis for several years, gave the following among other items in his talks at the recent Illinois conference on this disease, strongly confirming and plainly illustrating the teachings of Dr. Bang, under our own conditions. Dr. Russell said in substance:

We have tuberculosis among the cattle and it is absolutely necessary to eradicate or control it. Unless we face this question and take quick action the disease will spread widely and cause enormous loss. In instance after instance this scourge has undermined the foundation of a valuable herd which it had taken years to build up. The permanency of the live stock business depends on a healthy stock foundation. This slow creeping disease lulls us into false security and we do not recognize its gravity until serious loss is inevitable. It attacks beef herds and scrub stock as well as dairy cattle.

Animals that appear healthy and satisfy any purchaser may be tainted with this disease. The external appearance may deceive an expert and is absolutely no criterion of what is inside. A prize-winning steer fitted by one of the experiment stations and weighing 1,700 pounds was found when slaughtered to be in an advanced stage of the disease and utterly unfit for food.

A Wisconsin nurse cow had tuberculosis of the udder and 12 out of 13 calves caught the disease from her in a short time. An animal may be dangerously affected and shedding tubercle bacilli, and the udder show no visible sign of it.

But the disease may be easily detected by the tuberculin test and this test should take precedence over all other forms of diagnosis. It is nearly infallible. Even a cough or extreme emaciation in itself is not a sure sign of tuberculosis.

It is better that the test should be made by professional people, but in Wisconsin it is put into the hands of the stock owner, who may easily be taught its correct use. This wholesale testing must be done economically or it can not be done at all.

A cow in a herd of 20 died of tuberculosis; the others were tested, disclosing the peculiar manner in which the infection had spread from this one. Every animal of the seven in the same row of stanchions was diseased, but the contagion had reached only four of the twelve cows beyond a tight board partition, although the whole herd had been turned out together daily and watered from the same tank.

The great loss that follows neglect, and failure to provide sanitary conditions, is well illustrated in two cases, in each of which animals had died from time to time for some years. A head of 72 head supplying milk to a Swiss cheese factory, was finally tested upon complaint of the neighbors, showing 69 cattle so seriously diseased that they were all slaughtered at once on the farm. Conditions, very dark basement stable, no ventilation whatever, manure a foot deep on the floor. Tuberculosis, once introduced goes like wildfire in such a stable.

A case of tuberculosis was accidentally discovered in a herd of 70 supplying milk to the city of Beloit, and a test of the whole herd showed 57 head diseased; 24 had to be killed on the farm, and of the 33 shipped only 18 passed federal inspection of meat. In this case there were good, clean stables, but no ventilation.

How much better to have applied the test several years earlier? Two other herds supplying milk to Madison were swept out of existence on account of tuberculosis.

The 41,000 cattle tested the past year show 5½ per cent diseased, but the infection has reached more than a quarter of the herds. In the older dairy regions the percentage of dis-

ease is several times that of the newer dairies of the northern part of the state, but if nothing is done to stop the infection the north will have the same condition.

Individual Merit Brings High Dollars.

A good many breeders of pure bred live stock are complaining of the dullness of trade. Trade in pedigreed stock has been slow for the past six months. To those who have been compelled to sell their products at low prices it will interest them to know that recently a sale of Jersey cattle was held in northern Missouri where 85 head sold at an average of \$155.76. From the prices paid at this sale it would seem that there is a strong demand for high bred dairy cattle. Also this same firm conducted a very successful sale of Berkshire hogs, selling 43 head at an average of over \$75. This is the highest average made in any kind of a hog sale for some time. The prices paid at these sales would indicate that the offering was a superior one. And this is exactly the point we wish to impress upon the reader. If you expect to sell at fancy prices you must produce a fancy animal. Too many of our breeders are content with a fancy pedigree, expecting the blood lines of the animal to carry it into popularity. It is very essential that an animal have a desirable pedigree, but it is all the more essential that the animal itself possess individual merit. A well known breeder of Poland Chinas states that he has had the best trade the past six months that he ever enjoyed and the prices paid him have been very satisfactory. This breeder has demonstrated the value of the type of animal he is producing by making very successful exhibits at the leading shows. As soon as breeders of pedigreed live stock come to a full understanding that the animal produced must possess greater merit in connection with the desirable pedigree, then the people will readily pay a good price for it regardless of whether or not the public demand is strong for such animals.



J. C. ROBISON'S NEW PERCHERON HORSE BARN AT WHITEWATER FALLS STOCK FARM, TOWANDA, KAN.

This barn is 64 feet by 135 feet, 22 feet to square, 75 feet to top of cupola. Equipped with elevator, feed and litter carriers, compressed air water service, cement drive ways, has box stalls for 50 horses, holds 250 tons hay, contains 125,000 feet of lumber and cost complete \$8,000.

Special Photo by Roy Devine.

KANSAS FARMER

WITH WHICH IS COMBINED

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ADVERTISING RATES.—25 cents per square line, 14 lines to the inch. Announcements of reputable advertisers respectfully solicited. No medical nor questionable worded advertising accepted. Forms close Monday.

OUR GUARANTEE.—It is our belief that all advertisements in this paper are from reliable persons or firms. To show that we are in earnest in protecting our subscribers we guarantee the trustworthiness of our advertisers under the following conditions: We will make good the loss of any paid up subscriber who suffers by dealing with any fraudulent advertiser in our columns, provided complaint is made to us within thirty days after the transaction. This guarantee means just what it says. It does not mean that we guarantee to settle all trifling disputes between a subscriber and an advertiser, though we offer our good offices to this end. We do, however, protect you from fraud under the above conditions. In writing to advertisers be sure always to say: "I saw your advertisement in Kansas Farmer."

CONTRIBUTIONS.—Correspondence invited on all farm topics, live stock, soil cultivation, grains, grasses, vegetables, household matters, recipes, new and practical farm ideas, farm news. Good photographs of farm scenes, buildings, live stock, etc., are especially invited. Always sign your name, not for publication unless you desire it, but as an evidence of good faith. Address all communications to

KANSAS FARMER COMPANY,
Topeka, Kansas.



Illinois announces a great convention of corn growers and stockmen to begin January 18 and close January 30. It will be held at the college of agriculture, Urbana. The programs give assurance of most profitable meetings.

It is now announced that Secretary A. L. Sponsler of the Kansas state fair at Hutchinson has secured the promise of the government officials that they will make a forestry exhibit at the fair next fall. This exhibit will have special reference to tree planting in western Kansas and will be well worth the price of many admissions to the fair.

The great earthquake which has devastated southern Italy and Sicily, killing over 100,000 people and maiming many more, besides destroying their homes and means of subsistence is one of the greatest catastrophes in history. It appeals strongly to the sympathy of the civilized world. It is gratifying to know that the response to the need for help is generous and prompt.

Those who attended the great Omaha corn show were doubtless much impressed with the exhibits made by the government. These had to do with reclamation and irrigation projects and were extremely valuable in advertising the public work of the government and in giving real information to the public about the agricultural and horticultural possibilities of the regions covered.

An event in the general uplift movement was the ninth annual meeting of the Kansas Auctioneers' Association which was held at Hutchinson December 29-30, 1908. This meeting was opened with prayer by one of its members, Mr. J. H. Koch, of Herington. The purpose of the association is to elevate the standard of the auctioneer's vocation. There is no thought of forming a trust. Doubtless the efficiency of the members will be promoted so that on account of rendering better service their earnings will be increased. Following are the officers

for the ensuing year: President, C. M. Crews, Topeka; vice president, J. P. McCormick, Mount Hope; treasurer, J. S. Wingett, Albert; secretary, H. E. Walter, Haven; chaplain, J. H. Koch, Herington. About sixty auctioneers attended the ninth annual meeting.

BREEDING FOR IMPROVEMENT OF WHEAT.

KANSAS FARMER is not much given to fads. But, if it has one fad it relates to the possibilities and the importance of breeding the plants which grow into our crops. For seventeen years this paper has insisted that the way to secure seed adapted to Kansas conditions, seed capable of producing large yields of superior grains and forage is to select and breed under the conditions of soil and climate in which the crops are to be grown.

Brave beginnings have been made at the agricultural college and elsewhere. But at the college too often the advantages have been lost by allowing the plant breeder to escape to some other field of usefulness.

At the recent "farmers' week" meetings at the college Prof. F. H. Roberts presented a paper in which he gave some of the results of his labors in breeding wheat. In this paper he showed that he had bred wheat of better quality than any ever imported and that this pure bred wheat yielded greatly increased returns. Prof. Roberts takes the eminently sound position that the experiment station can breed wheat suited to the conditions of Kansas better than any that can be imported and at less cost.

This is a matter that may well claim the attention of the Legislature in making appropriations. There should be no lack of means to carry on the work of plant breeding, a work which has more potentialities for profit to the farmers of Kansas than has any other experimental work that has been suggested.

KANSAS STATE HORTICULTURAL SOCIETY.

The forty second annual meeting of the Kansas State Horticultural Society was held at Topeka, December 29, 30, 31, 1908. The attendance was good. A spirit of optimism prevailed. Most of the gray heads which have honored the society with their presence at many meetings in the past were again present. There was also a good attendance of a younger generation.

The reports and papers can not be given in this number of KANSAS FARMER for lack of space. The most valuable of the proceedings will be given in time for use during the coming season.

The new officers elected are: Edwin Snyder, Topeka, president; E. G. Hoover, Wichita, vice president; Walter Wellhouse, Topeka, secretary; C. V. Holsinger, Rosedale, treasurer. Trustees: Second district, A. V. Wilson, Munsey; Fourth district, C. C. Cooke, Eskridge; Sixth district, J. J. Alexander, Norton; Eighth district, George Blair, Mulvane.

The trustees for the odd numbered districts hold over. They are: First district, F. W. Dixon, Holton; Third district, F. L. Kenoyer, Independence; Fifth district, Albert Dickens, Manhattan; Seventh district, C. A. Blackmore, Sharon.

Action was taken looking to the broadening of the work of the society. Heretofore it has been chiefly a pomological society. The orchard features are not to be made less important, but other branches of horticulture are to receive increased attention. Under the careful management of Secretary Wellhouse, guided by his good judgment, this broadening may safely be undertaken. It will doubtless result in increased membership and interest.

THE STANDARD OIL COMPANY IN MISSOURI.

The Supreme Court of Missouri has made an order ousting the Standard Oil Company and allied organizations from doing business in that state. The action was taken under the anti trust laws of Missouri. The case was vigorously and ably contested. The most significant feature of the present program of the Standard Oil is the proposition of its attorneys to the Supreme Court that, if only allowed to remain in the state, the Standard Oil Company will be good in the future, "under the direct supervision and direction of this court."

"In other words," the attorneys for the company suggest, "the writ of ouster could be suspended so long as the business shall in the future be legally

and properly conducted according to conditions, rules and regulations hereafter prescribed by the court."

It is becoming apparent that even even the greatest corporations, when brought into court by such officials as Attorney General Hadley of Missouri—now Governor Hadley of Missouri—and Attorney General Jackson of Kansas—doubtless presently to be Governor Jackson of Kansas—these greatest corporations become law abiding and even docile.

Corporations rightly managed are excellent instruments for financing and conducting great enterprises. Very many corporations are willing to be guided by the law of the land. The time is coming when corporation managers without exception will find it not only necessary but uniformly desirable to obey the law according to the intent thereof—as well as to avail themselves of its protection.

A better understanding between the people and the great corporations will be speedily reached when it shall become generally understood that the law is to be observed and obeyed by the artificial person however great as well as by the natural person however humble.

DENMARK EDUCATES ITS FARMERS.

Denmark is to this editor the best known example of intense and diversified farming. Land values range from \$500 to \$1,000 per acre. Dairying is the leading industry, closely followed in importance by the bacon hog and the laying hen.

The kingdom has nearly 200,000 farms and farm gardens of 10 acres or less, and about 100,000 farms of between 10 and 15 acres. There are less than 1,000 farms of 500 acres or over, the aggregate of these last named being less than a million acres. There are 1,085 creameries with 158,170 patrons, 33 bacon factories and an egg exporting society with 500 local centers.

Denmark formerly occupied the lowest rung of the agricultural ladder. This little European community about half the size of Maine, and precisely the size of Connecticut and Maryland, has risen from the bottom rung to the big firm platform surmounting the agricultural ladder, and Denmark started early and did it in the right way.

In 1844 this small European community established high schools where real agriculture and horticulture were taught. There are now 78 of these with an attendance of some 6,000. Its marked success is the result of educating children in these schools. Having completed their school work the boys and girls return to the farm. In fact they have never left the farm. They work while being educated. They are thoroughly trained farmers. Some of the old foggy farmers of today would call them "book farmers." But "book farming" made Denmark and in thirty years this kind of farming pushed this toy kingdom to the top in agriculture. These school trained farmers are able to buy Kansas alfalfa, corn and bran and feed it to dairy cows, the butter from which competes with ours in the English and foreign markets and sells at a price which is making the Dane money. "Book farming" pays if it is done right.

MOST NEEDED REFORM.

Much is being said just now about tariff reform, and no one seems to deny that reform is necessary in that direction, but the reform in which the farmer is most vitally interested is an improvement in farm methods. The average yield of grain of all kinds is much too small. It has been demonstrated time and again that by proper preparation of the ground, careful selection of the seed and intelligent and thorough cultivation the yield may be doubled. One man raises heavy crops; his neighbor across the way, with just as rich land, raises poor crops. It is these who bring down the averages. The same thing is true in every department of farming. One man succeeds with cattle, hogs and horses; another with equal opportunities, makes a failure. And the man who fails is often a harder worker than his more successful neighbor; he simply does not know how to make the most of his opportunities.

No other occupation requires a higher degree of intelligence and business sagacity than that of the farmer. But something more than intelligence and industry is necessary; the successful farmer likes his work and is ambitious to improve his methods and his profits, and is ready to take advantage of the experience of others. He is keen-

ly alive to the advantages to be derived from a study of the methods of successful practical farmers, as well as from experiments conducted by men who devote their lives to the study of ways and means for the advancement of agriculture.

The avenues for education in his line are continually broadening for the farmer who is ready and anxious to learn. The state experiment stations are sending out much valuable information. Live stock shows, agricultural exhibits and corn contests afford opportunity to make valuable comparisons and to obtain much useful information. To a reasonable extent, every progressive farmer will conduct an experiment station on his own farm and will get a great deal of pleasure out of it, as well as no little profit.

Mouths are increasing faster than the production of food stuffs. The area of virgin land is fast decreasing, and the demand for more food must be met by increasing the production of lands now under cultivation. With this increasing demand for food there will be an inevitable increase in the general level of prices, so that the successful farmer may be assured of a reasonable reward for his labor.

ASSESSED TOO HIGH.

EDITOR KANSAS FARMER:—Many thanks for the good reading of KANSAS FARMER which comes every week. I have not been disappointed once in this closing year. I extend to you the happy greetings of the season hoping you will have a prosperous year. I am also glad that when so many farmers get into trouble that your advice to them is always for the good. I am not in any trouble but a little oppressed. I bought (2 years ago) 20 acres, one mile from city of Lawrence. I paid for it \$2,000. There were no improvements on it, only a hedge on three sides and the place had been rented for years. I cleaned it up, and passers by who had seen it for years said I had made it look \$200 better. Now I put a small barn on it, dug a well, planted a young orchard, put out a few evergreens, grubbed up 20 rods of hedge, put a woven wire in its place, sowed six acres of alfalfa, raised corn and some garden. I am trying to make an honest living and pay my way. Now this year the assessor came around. I did not see him. He did not consult me about my taxes, but put it up to \$3,050, and the tax commission at Topeka put it 10 per cent more, which made it \$3,355. This is unjust oppression. This is for high upland and there is no dwelling on this land. There is not much encouragement in improving and making your little home look pretty with a few flowers and bluegrass then put one-third more tax on it. I am willing to pay my honest debts, but this is grinding a poor, hard working farmer to the earth. It is no wonder farmers vote not to give the members of the Legislature \$500 each for the term. Was it unjust for the state treasurer, who was getting \$2,500 per year for his labor, to have it raised to \$3,600 by the last Legislature?

Lawrence, Kan. JAMES H. HOOK.
The emotions of the man who has just paid his taxes are frequently far from serene. The perturbation of his mind is augmented if his taxes on a given property are higher than heretofore. The writer hereof is just now laboring under the stress occasioned by a considerable increase of taxes. And city taxes are something fierce. The average resident of a city could save at least half of his taxes by moving with his belongings beyond the city limits.

It is too late to rectify any mistakes of assessment for 1908. As stated in KANSAS FARMER of January 2, the time to call attention to over assessment is at the meeting of the county commissioners as a board of equalization on the first Monday in June.

The Legislature of 1909 may make some changes in the present assessment law, but there is not likely to be any radical departure from the present system. Under any law the details of the work must be entrusted to men. Men are as prone to err as the sparks to fly upward. A perfect system is not likely to be provided. Therefore we will each do well to ascertain how big a mistake the assessor has made in our individual cases, and if property has been greatly overvalued, to ask the county equalization board for relief. If proper relief is not obtained at the hands of the county board, a letter stating the facts in the case to the State Tax Commission will procure a review by that body.

LIME AS FERTILIZER.

The benefits to be derived from a free use of carbonate of lime as a fertilizer are not generally understood. Lime sweetens acid soils, and has a tendency to make heavy soils more friable. It acts as a stimulant to most crops and to most trees. It can be applied in the ordinary form of air slaked lime or as ground lime rock. The first form gives the most immediate results, but the latter form produces the most lasting effects.

The beneficial effect derived from the use of wood ashes, especially upon trees, has long been recognized, but it was thought that the chief benefit was derived from the potash and the phosphoric acid content of the ashes. Experiments at the Rhode Island and the Connecticut experiment stations suggest that the chief value of wood ashes lies in their large percentage of powdered carbonate of lime, and not in the potash or phosphoric acid components.

It is undoubtedly true that soils which have long been waterlogged are greatly benefited by an application of potash, but it will generally be found that a free application of ground lime rock, or of air slaked lime will bring about astonishing results. Drainage and lime will make highly productive many a waste place on the farm.

Tile drain the wet or spouty places on the farm, apply a dressing of lime and then, after having prepared the proper seed bed, sow to alfalfa—the result will be surprising. All leguminous plants are hungry for lime. Farmers who do not fully appreciate its value should experiment with a lime top dressing on alternate strips of alfalfa in some of their fields and especially in fields inclined to be wet.

A. S. COBB.

For Oklahoma the board of agriculture is also the board of regents for the agricultural college and experiment station. The board is elected by the delegates from the farmers' institute organizations of the state. By this means the management of the agricultural college and experiment station is brought close to the farmer and it would appear that the plan is a good one if properly handled. There is the danger that farmers representing the institute organizations are not carefully selected with regard to competency of administration. But it would seem that these delegates understood their business well when at a recent meeting they elected A. S. Cobb, a farmer and graduate of Kansas agricultural college, to the board of college regents. This indicates that men familiar with agricultural education are being sought and displays wisdom greater than is often employed in selecting agricultural college regents. Oklahoma, although a state just past its first birthday, is already a great agricultural commonwealth and its one legislative session wherein it was first privileged to make laws for its own good has been able to so discriminate that it has on its statute books some very meritorious provisions.

The senior editor of KANSAS FARMER had the honor to have Mr. Cobb in his classes in physics at Manhattan nearly a quarter of a century ago. He was a citizen of the then Cherokee nation. His ability and diligence made for him an enviable place in the institution. He will make good as a regent of the agricultural college of his state.

OBTAINING SCHOOL LAND.

EDITOR KANSAS FARMER:—Please give the law relating to the buying of school land in Kansas, the land that has been placed on the market lately by a ruling of Attorney General Jackson. Is it all appraised at one price, and what is that price? I understand that it is appraised at \$1.25 per acre. Can any one buy this land regardless of the amount they own now, or is it restricted to those who have no land? How much can one buy? Do I have to settle on the land and improve it?

Burrton, Kan.

READER.

School land may be obtained in one of two ways, either by settlement on the land, or by purchase at sale to the highest bidder. Any one can settle on school land as a homestead, if he has not previously homesteaded a quarter section of school land. To obtain homestead rights a settler moves on the land, files affidavit of settlement with the county clerk, stays on the land for six months, then makes proof of settlement before the probate judge, after which the land is appraised and the settler pays to the state the appraised value of the land either in cash or in payments for a period of twenty years with interest

at 6 per cent. If the party wishes to buy at public sale he obtains a petition from twenty householders living in the township where the land is located petitioning for the sale of this land. The land is then advertised and sold by the county treasurer to the highest bidder.

The minimum price at which school land can be obtained is \$1.25 per acre. Any one can obtain school land regardless of the amount of land he already owns.

ROAD TO PERMANENT PROSPERITY.

The United States has grown rich and powerful through the development of its natural resources, and not by means of foreign conquests. With a modest navy and a still more modest army, it has, in times past, been able to keep the peace at home and protect itself against all foreign encroachments. With its present population and wealth, it has nothing to fear from abroad. It is free to devote its surplus resources to the development of the country. But it is not living up to its possibilities.

At the close of the civil war it owed \$3,000,000,000, two-thirds of which was paid during the following thirty years, leaving a debt of \$1,000,000,000. The last ten years have been years of wonderful prosperity, yet not a dollar of this debt has been paid during this period. Our revenues have been enormous, but they have been distributed with a lavish hand on our war establishment and enterprises of doubtful value. For these ten years we have expended on our army and navy \$1,119,000,000 more than the total expenditures for the like preceding period for the same purpose. This excess would have paid the national debt, or if applied to work of internal improvement, would have worked wonders in developing our water ways and in reclaiming arid lands.

In time of peace every unnecessary soldier and every useless battleship is a burden upon the productive industry of the country. Every patriotic citizen is in favor of maintaining the power and prestige of his country at home and abroad, but that does not mean that he is in favor of following

the lead of foreign nations whose people are crushed under the almost intolerable burdens of military establishments. We are great and prosperous mainly because in the past we have been almost free from such burdens. There is a strong demand for a decrease in the amount of revenue to be collected, and especially for a reduction of the tariff, but there can be no reduction in taxes without a corresponding reduction in expenditures. In no proper sense are taxes a burden when they are wisely imposed and expended for things which bring adequate returns. Good roads are, under existing circumstances, vastly more important than a large standing army or huge battleships, soon to become obsolete.

Governor-elect Stubbs can do a great work for the people of Kansas by pressing upon the attention of the Legislature the necessity for better roads, and it is to be hoped that the interest which he now expresses in this movement will continue through his term as governor.

To get the most out of our splendid natural resources, we must make the best use of them. There is room for industrial development in every direction. In addition to better roads, we need better means of transportation, better railways, and more of them; an improvement of our waterways; a greater use of water in the arid and semi-arid regions for irrigation purposes. Enough water goes to waste every year to redeem millions of acres, and to make more productive lands now in cultivation in localities where the rainfall is deficient. Here is a great field for the energies of constructive statesmen.

The Shawnee Alfalfa Club.

The December meeting of the Shawnee Alfalfa Club was not so largely attended as were some previous meetings but the interest never lagged.

The subject for discussion was "dodder," though the gopher came in for his share of attention. The dodder is a parasitic plant that starts its growth from the ground but after it becomes firmly attached to the alfalfa it severs its ground root and feeds on its host entirely. Its habit of growth is in

long yellow filaments without foliage. After a lengthy discussion it seemed that, perhaps the best method for getting rid of dodder is to cut the patches of alfalfa that are infested with it and burn before the dodder matures its seed.

A somewhat lengthy discussion of the gopher question resulted in the expressed opinion that the county commissioners of this county should be asked to pay a bounty of 10 cents per scalp.

The club was especially fortunate in having Prof. D. H. Otis of the Wisconsin agricultural college present at this meeting. Prof. Otis is a Shawnee county boy who was formerly professor of agriculture in the Kansas state agricultural college. Prof. Otis said, in part:

"Wisconsin is just getting started in the raising of alfalfa. A few years ago a small patch was planted at the experiment station and after several failures the farmers decided that the climate and soil was not favorable. A short time ago Governor Hoard made a trip to Kansas and Colorado, and while there, saw the marvelous opportunities offered in alfalfa as a stock feed. At Fort Atkinson, he planted a patch and it did not thrive. He followed this experiment with several others and the same results. But finally he raised a good crop. Now there are small stands all over the entire state. The farmers are taking hold of it, yet skeptical of results, but willing to give it a fair test. Wisconsin is even producing a little seed now. In ten years our patch at the experiment station has averaged four tons to the acre and three cuttings a year.

"In the southern part of the state where the crops are subject to constant freezing and thawing, the farmers have not had very good results. Governor Hoard, however, is enthusiastic for it and claims that he has reduced the quantity of his feed one-half since using it. Formerly, he fed eight pounds but now only four pounds to his horses and dairy cows. To Governor Hoard Wisconsin is greatly indebted for the introduction of alfalfa into the state.

"My experience has been that there is no better feed for brood sows before they farrow, and the farmers who have used it say they never before raised larger or better litters of pigs. The horse raiser is getting interested. There is no better developer of bones, and this is one of the things a good horse must have. In Wisconsin it is becoming popular for beef cattle as well as for dairy cows.

"The reason for this is very plain. Alfalfa is not only nutritive, but easily digested. Experimenting with wheat straw at the agricultural college we found that horses lost 18 per cent in strength from the energy required to chew it. When fed to cows, it will cause them to eat more of other feed, because alfalfa is palatable and gives them an appetite for hay and corn.

"Alfalfa supplies the ash and phosphate necessary to the building up of any animal. No other feed has the mineral ingredients of this plant. An experiment in Wisconsin, where pigs were fed bran with the phosphate taken out, the animals grew stiff in the joints and finally their legs became so weak they could not stand. Animal life demands phosphorous, and alfalfa is the best feed to supply it. However, it is better when fed with grain and hay.

"It takes brains to grow alfalfa, and wherever you find this crop grown you will find the farmers of more than the ordinary intelligence. Alfalfa develops the brains in the community because it compels a man to use them to grow this crop successfully. Alfalfa is a wonder plant. It fertilizes the soil and furnishes nitrogen where the supply has been exhausted."

Be Our County Representative.

During the winter months when business is slack, you can earn a handsome salary soliciting subscriptions for KANSAS FARMER, the oldest and most reliable farm paper published in the Southwest. If you have a horse and buggy, why not arrange to begin work at once. For any subscriptions you secure you will be well compensated. Many agricultural paper solicitors are making from \$75.00 to \$150.00 per month. You can do the same. To any young man not permanently employed this work will lay the foundation for a better position in commercial business. It's an education for any young man. Write KANSAS FARMER today for full particulars.



Current Literature.

FARMERS EXCHANGE COLUMNS

Cattle.

REGISTERED JERSEYS—3 good bulls; calf, yearling, 3-year-old. Also 50 cows and heifers, registered, eligible to registry and high grades. Cows are bred. Prices reasonable. George C. Smith Ranch Co., Pawnee Station, Kan.

FOR SALE—Six high grade Red Polled bull calves, age eight months. Address, J. W. Kraft, Salina, Kan.

FOR SALE—Two nice Red Polled bulls, eight and twelve months old, full blood and recorded. I. W. Poulton, Medora, Kan.

WANTED—3-year-old dehorned native steers in car lots for spring delivery. Santa Fe or Missouri Pacific shipments. A. C. Nickel, Reading, Kan.

A SHORTHORN BARGAIN—Pride of Wayne 23231 and 6 spring bull calves of his get for sale. All from Scotch topped dams. Pride of Wayne is a splendid individual weighing 1900. Would exchange him. H. H. Hedderman, 710 Polk Street, Topeka, Kan.

ALYSDALE SHORTHORNS—4 young bulls from 10 to 16 months old and 10 cows and heifers, bred or with calves at side. All fine bred. Priced right. Come and see them. C. W. Merriam, Columbian Bldg., Topeka, Kan.

Swine

WANTED TO TRADE—Nice P. C. male pig, September farrow, for one as good. Also one for sale. F. H. Barrington, R. D. 3, Sedan, Kan.

FOR SALE—Good yearling Poland China boar by champion Mischief Maker for \$20. Spring boars and gilts, \$15, bred sows cheap. A. M. Jordan, Alma, Kan.

FOR SALE—A fine 2-year-old boar sired by the great Meddler 2d, a splendid breeder of large, uniform litters; price \$40, or will trade him for two choice early spring gilts bred. Address, W. A. Hill, Grand View, Mo.

Horses and Mules.

FOR SALE—One black pedigreed standard bred stallion, Patriotta 41836, weight 1250 lbs.; best breeding, two crosses with Wilkes and two with Nutwood. I will trade for Percheron stallion, Jack or real estate. Address S. A. Baughman, Marysville, Kan.

Wild Birds.

WANTED ALIVE—Big, white whooping cranes, blue sandhill cranes, wild swans, wild geese, wild ducks, partridges, quail, prairie chickens, wild turkeys, fow squirrels, white and black squirrels, otters, beaver, etc. Dr. Cecil French, Naturalist, Washington, D. C.

Seeds and Plants.

WANTED TO BUY—Pop corn and sweet corn. State varieties and price per hundred pounds in sacks. Address, C. Hayes, 535 North Kansas Ave., North Topeka, Kan.

FARMERS AND GARDENERS—If in need of choice farm and garden seeds ask for my catalogue. It tells about them. A postal will get it. T. Lee Adams, Kansas City, Mo.

WANTED—Everybody who is interested in first class seeds of any kind to write for our new catalogue, which is sent out free of charge. The Barteldes Seed Co., Lawrence, Kan.

WANTED—Alfalfa, red clover, timothy, English blue grass, millet, cane, milo maize, Jerusalem corn, brown, fow, and other seeds. If anything to offer, please correspond with us. The Barteldes Seed Co., Lawrence, Kan.

SOME EVILS OF PUBLIC HOG SALES.

Kansas Farmer has received a number of letters from pure bred hog breeders throughout the Southwest which would indicate that there is a faint squeal of revival coming back to the trade in pedigreed hogs. The demand seems to be increasing and quite a few are asking for the very toppest kind of material and indicating that they would gladly pay a very remunerative price for such. Of course, a good many breeders got cold feet and snipped their hogs to the packers. We know dozens of small breeders who have done this and some of the more pretentious ones have reduced their herds very materially in this way. One breeder in southern Kansas recently sold a bunch of brood sows at a loss of \$100 per head. This man started in the business judiciously, but listened to certain optimists who led him far away from the paths of safety and induced him to buy a quantity of very high priced brood sows which he was compelled to sell at a loss as stated above. It is deplorable that so good a man, and one who might have been a star breeder, has been treated so wrongly and forced out of the breeding business by being told such prising stories as to lead him to make such wildcat investments. Many of the brood sows this breeder has sold cost him better than \$200. They are very choice individuals with the richest kind of breeding. The dilemma in which this man has been placed was caused to a very great extent by the optimism of an east-

The rate for advertising in this department is low, only three cents per word each insertion. There is no more popular advertising than classified advertising. Every one reads classified ads, and just because they are classified. You can reach 50,000 farmers in Kansas and adjoining states, the best farmers on earth, through this page. All ads set in uniform style, no display. Initials and address count as words. Terms, invariably cash with order.

Miscellaneous.

WANTED—Indian and old relics. All kinds. Madison Cooper, 410 Court, Watertown, N. Y.

THE ANTI-KICKER will hold your cows' feet and her tail strictly quiet without harm. It is indispensable for breaking heifers. Drop a postal card to A. B. Smith, Topeka, Kan., and know all about it.

HIDES—We can make elegant robes and coats out of your horse and cattle hides, also harness and lace leather. Send for our new price list and shipping tags. Lincoln Tannery, Henry Holm, Lincoln, Neb.

FARMERS who want to make money during spare time at home this winter, write The Heath Co., Topeka, Kan.

AUCTION SCHOOL—Learn auctioneering. Illustrated catalogue free. Carpenters Auction School, Trenton, Mo.

COOPER & HOPPER—Producers of comb and extract honey. Write for prices. Cooper & Hopper, La Junta, Colo.

WANTED agents to sell the Farmers Account Book. Exclusive Territory. Quick Seller. Big Inducements. Address L. L. Syphers, Fort Wayne, Ind.

BIG MONEY IN BASKET WILLOWS—Write for book containing full instructions. Price 25 cents. C. D. Meil, 1237 10th St., N. W., Washington, D. C.

FOR SALE—One 12 h. p. traction engine; one four hole John Deere sheller; one feed grinder; one buzz saw; one 2-year-old high grade Norman stud, weight 1,200 pounds. A. L. Gifford, Eskridge, Kan.

FOR SALE OR TRADE—75 bbl. planifter roller mill, in first class repair, located in the wheat belt of Kansas. A fine opening for somebody that wants to go in the milling and grain business. Address Lock Box 767, Wichita, Kan.

FOR SALE—PURE LEAF TOBACCO. ALL who use store tobacco are taxed to death by the infernal tobacco trust. You will save money to write for prices on fine leaf tobacco of my own raising that is fine and untaxed. Free samples for one postage stamp. Address W. L. Parks, R. D. No. 1, Adams, Tenn.

ALFALFA GRINDER FOR SALE—A New ton alfalfa grinder and feeder for sale at about two-thirds of the price a new one would cost. Used very little and as good as new except paint. Reason for selling—I have recently installed an alfalfa grinder of greater capacity than the Newton. Address, Newton Grinder, care Kansas Farmer, Topeka, Kan.

THE GREAT WESTERN Cream Separator made by the Smith Manufacturing Co., having a branch house at 1308 West Eleventh Street, Kansas City, Mo., took the first premium at the Kansas State Fair in 1907-08. This should be conclusive proof that the great Western is the best separator made.

Real Estate.

FEED BARN to trade for farm. C. T. Barton, 1263 K. C. Ave., Rosedale, Kan.

I SELL FARMS IN OCEANA, the best county in the United States. Fruit, grain and stock. Write for list. J. D. S. Hanson, Hart, Mich.

WANTED—Cultivated wheat land, no buildings, not over 5 miles from shipping point, not west of Norton or Ford counties. E. L. Hull, Manhattan, Kan.

\$1,300 EQUITY in 160 acres, Eastern Oklahoma for 4 passenger auto, live stock or merchandise. What have you? J. B. Rankin, Lyons, Kan.

WE CAN SELL your property; send description. Northwestern Business Agency, Minneapolis, Minn.

ern newspaper representative who got orders to buy sows for him and who simply loaded him up, so the report goes, to the extent of \$4,000. It is merely a story of misplaced confidence and a regrettable one to the breeding fraternity. It is merely a reflection from the high priced boomerang that was apparently hypnotizing so many persons the past two or three years, and which has been in the last six months shattered into fragments of bitter experience.

Another interesting incident that has grown out of the fast gait set by many of the Poland China breeders in the past few years was a case where a Kansas breeder was sent hogs by a Missouri breeder holding a sale. Some fieldman or auctioneer being anxious to "make good" or show to the public attending the sale that they carried several mens' business in their pockets, bought for this Kansas breeder hogs without any order, written or implied. The Kansas man eventually held a sale where hogs were bought for this same Missouri breeder presumably without an order, written or implied. The accounts at the end of the transactions apparently balanced. Recently the Missouri breeder, brought suit to collect from the Kansas breeder on the grounds that no order was given to any one to buy at his sale. The Kansas breeder reciprocated with the same kind of evidence and the jury awarded damages to the Kansas breeder. This is another instance where the methods practiced by many breeders the past few years resulted in bitter feelings and broken confidences. It brings

Real Estate.

FARM LOANS made in any amount from \$500 up, at lowest rates and on most favorable terms. Betzer Realty & Loan Co., Columbian Bldg., Topeka, Kan.

QUARTER SECTION of practically all nice smooth land, nearly all in cultivation, small improvements, 3 1/2 miles to town. For only \$40 per acre. Dayton Land Co., Abilene, Kan.

WE CAN GET YOU what you want in exchange for your farm, hardware, merchandise or other property. We have 500 propositions to choose from. Graham Bros., Eldorado, Kas.

FINEST FARMS in Kansas, Missouri and Texas. Special bargains in Ottawa county. Quality and prices guaranteed. Write us your wants. Ed. H. Davis & Co., Minneapolis, Kas.

FINELY IMPROVED 60-acre farm across the road from school, for \$2,600. Write for descriptions of farms in the banner stock county of Kansas. Hurley & Jennings, Emporia, Kan.

HERE IS A BARGAIN—80 acre farm in the Black Valley, better than river bottom, because it does not overflow, good house, barn and orchard. If taken quick, \$2,600. C. R. Cantrill, Fredonia, Kan.

CHEAP HOMES—Improved 180 acres, 70 valley land, alfalfa, spring water, price \$4,000, \$1,000 cash. All kinds and sizes in alfalfa, corn and wheat belt. Write for lists. Garrison & Studebaker, Salina, Kan.

640 ACRES—Good improvements, well watered, close in, \$25 per acre. Good improved quarter, good location, 80 acres of wheat goes; price \$5,750. Write for farm list and map. Garrison & Studebaker, McPherson, Kan.

HERE IS A BARGAIN—155 acres splendid land adjoining Mound Valley, Kansas, with a good chance to lay out an addition to town. Plenty of water and gas. Price \$8,000. Address, C. R. Cantrill, Fredonia, Kan.

FOR SALE—320 acre farm, new imp., price \$30 per acre; 180 acre farm, good imp., price \$30 per acre; 80 acre farm, good imp., price \$35 per acre. Close in and good bargains. KANSAS REALTY CO., Bern, Marion Co., Kan.

DO YOU WANT A HOME?—We have 100 of the best farms in Southeastern Kansas on the easiest terms of any land sold in the state. Send for copy of the Southeastern Kansas Homeowner, the best monthly land paper published—it is free. Address, The Allen County Investment Co., Longton, Kan.

FOR SALE—Lots 422 and 424 Reno avenue, eight room house piped for gas, well, cistern, outbuildings, fruit and shade trees. Will sell this property on small monthly payments or exchange it for horses, cattle or land. Updegraff & Son, 29 Columbian Bldg., Topeka, Kas.

FOR SALE—640 acres, desirable location, one mile from county seat, a thriving railroad town. Farm all fenced, well and windmill, never failing supply of water. Forty acres in cultivation, part of which is in alfalfa, balance in pasture. All tillable, except 40 acres. Price, \$10.00 per acre. Terms, Frank A. Rees, Owner, Syracuse, Hamilton county, Kansas.

112 ACRE FRUIT FARM in Jefferson county, Kansas; 50 acres in cultivation, 4,500 apple trees, 2,500 bearing, 100 peach, 25 cherry trees, all bearing, good vineyard, good 2 1/2 miles from town, one mile from school; R. F. D. and telephone. Price \$85 per acre. Alvin Griffiths, Ozawie, Kan.

HERE IS A SNAP—160 acre farm only one mile from good town, school and church, 150 acres in cultivation, balance pasture, good black limestone soil, 8 room stone house in good condition with gas and water in house, good barn and corn crib, nice shade trees, a splendid home. Price, \$6,500. C. R. Cantrill, Fredonia, Kan.

Real Estate.

628 ACRES—Three miles from town, one mile from switch, 120 acres under plow, 180 more could be cultivated, 40 acres of alfalfa, 70 acres big saw timber on level river bottom, first class improvements worth \$8,000, seven room house, stone barn for 12 horses, with mow and granary, stone cow barn 24x85, with mow for 100 tons of hay, granaries, cribs, scales, chicken house, milk house, wells, springs, and water works system; price \$40 per acre; will take smaller farm in exchange and carry \$10,000 on place. Bardwell & Bardwell, Manhattan, Kan.

BARGAIN—60 acres good land in alfalfa. Good, full water-right, south line in city limit, 100 yards to city cement walks, 300 yards to city school, 3/4 mile to best sugar factory, population 3,000, climate healthful. We have U. S. Naval Sanitarium. Price \$6,000. For terms and further particulars write owner, W. F. Morley, Las Animas, Arkansas Valley, Col.

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IF YOU WANT your farm traded or sold, or your stock of goods of any kind traded or sold, or want to buy a farm or trade for one, or want to buy a good stock of goods or trade for one, address James Walls, the land man, Bigelow, Kan.

NORTH central Kansas lands—Write for new list just out, free. Best values in the state, quality considered. Address E. E. Grimes, Minneapolis, Kan.

FOR TRADE—Two store rooms 45x150 feet, 2 stories, brick, valued at \$6,000. For eastern Oklahoma farm same valuation clear for clear. Erhardt Carriage & Harness Co., Atchison, Kan.

5,000 ACRES irrigated land for sale, 12 sets farm buildings, 16 flowing wells, perpetual water right, in central part of San Luis Valley. Tracts of any size and on liberal terms. E. L. Stroup, Monte Vista, Colo.

FOR SALE—Improved farms seeded to clover and wheat. Rural route, telephone, school, good neighborhood; 100 miles to Kansas City. Terms, A. C. Nickel, Owner, Reading, Kan.

FOR SALE—An extra good 240 acre farm, 25 per acre, 115 acres broke, 45 more near level, good pasture, good water, 4 1/2 miles from town, 40 rods to school, telephone and mail route. E. E. Thompson, owner, R. F. D. 1, Denmore, Norton county, Kansas.

A SNAP—160 acres, 115 in cultivation, balance pasture; all smooth, rich black loam; fenced and cross fenced; good well, steel windmill, six room house, summer kitchen and porch on two sides. Stone barn for six horses, sheds on two sides; granary, chicken house, other outbuildings. Good young orchard, one and one-half miles county seat, rural route, telephone line. Price \$58 per acre, if sold before Jan. 15, 1909. W. P. Morris, Marion, Kan.

FOR SALE—630 acres adjoining the famous "Artesian Valley" near the county seat of Meade county, where alfalfa is "queen." 160 acres of shallow to water, alfalfa land and two sets of improvements. My price is \$25 per acre, a great bargain. Otto Greef, owner, Pittsburg, Kan.

\$1,300 EQUITY in 160 acres, Eastern Oklahoma for 4 passenger auto, income property or merchandise. What have you? J. B. Rankin, Lyons, Kan.

THIS WEEK'S BARGAIN—200 acres, 90 creek bottom in cultivation, 12 alfalfa, 75 of cultivated in a solid level field, 100 pasture, 10 timber, 8 miles of Manhattan, large barn, fair 5 room house, living running water. Price \$60 per acre. Manhattan Realty Co., Manhattan, Kan.

down. The last few bids placed upon the animal were in nearly every instance, placed by some star boomer fieldman bidding against some one who intended to pay for the hog out of a buy at his own sale or by a note which he never intended to honor. This kind of business simply shut out the legitimate farmers and breeders who would not pay such prices for animals and who refused to become a tool to irresponsible boomers. These elements of the public hog sale are things of the past. The present season where sales have been held, whatever has been bid on an animal has been paid, and in most instances cash. The life of the pure bred hog business will be nursed back to large proportions by the conservative men engaged in the business who discountenance such wildcat business methods.

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to light the methods that have been practiced by a number of hog men holding public sales. This proposition of trading one with the other in order to make big averages. It is remarkable the extent to which this business was practiced. Many intelligent breeders engaged in the practice, but have awakened to the fact that nobody was getting any money out of the deal except the express companies.

We do not wish to be understood, however, to take the stand that it would not be entirely right for one breeder to buy of another at a public sale. That is entirely legitimate when something is being sold that some other breeder really desires. But where they buy one from the other in order to make high prices and big averages, it is entirely wrong and no one who engages in it long will remain a breeder, for the express companies will have all his money in the end and he will hold, as many of them do today, pockets full of worthless notes. We are glad these features are being eliminated by hog breeders as they are some of the features that have been harmful to the business in general. Many times the writer has sat around the sale ring and witnessed a high class brood sow driven into the ring and started with a bid of \$25. By leaps and bounds the price went up at the rate of \$2.50 a jump, to \$40, \$60 and \$100 and there would be from 10 to 20 persons crying the bids. After the animal had passed the stage of conservatism there would be two or three left to add a few more dollars and then the animal was knocked

THE FARM



Dry Land Farming.

EDITOR KANSAS FARMER:—Being an enthusiast in soil culture, the conservation of moisture and in all that pertains to the increased fertility and productiveness of our farms, I was much interested in the extracts from Prof. A. M. TenEyck's address given at Fargo, N. D.

The effects of continuous cultivation, a deeply plowed soil, turning all stubble under and leaving the upper three or four inches of soil clean and well pulverized are clearly shown in what he says about his visit to western Kansas, near Hays and Hill City. Continuous and thorough cultivation destroys weeds, conserves moisture and warms up the soil in the spring by letting the warm air in among the soil particles, and keeps the lower strata of soil moist and cool in hot, dry weather, and causes a more rapid decomposition of plant food, and converts nitrogenous matter into a soluble form, which is good for the crops growing thereon, but at the same time exhausting the fertility of the soil, not only by "blowing" and "washing," but by burning up the fertility as well.

The first two effects, "blowing" and "washing" may be entirely eliminated if instead of plowing, the land is prepared for the succeeding crop by the use of the disk, chopping and mixing the stubble with the surface soil. I know as thorough and deep tillage can be given by this method as by the use of the plow and in a majority of cases a better seed bed will be had at much less expense than by the use of the plow. The surface will not look so clean and may elicit unfavorable criticism of our farming, but stubble so mixed with surface soil acts as a mulch, as a snow catcher and I believe will greatly lessen if not entirely prevent heaving of the soil by leaving space for the expansion of moisture by freezing.

Wheat sown in stubble and worked into the soil with a disk grew to a height of more than three feet, while that sown with press drill in plowed and finely pulverized soil headed at a height of only eight inches, both having the same amount of rain and snow and like soils. Why? Because the small amount of snow given us that winter was retained and evenly distributed over the disked field and entirely blown off of the smooth surface of the plowed field, and this snow water made the difference. The late Geo. M. Clark, the "grass king," fully demonstrated that thorough culture is possible by the disk, and while the grain grower cannot afford to give as many diskings as he did nor is it necessary for the tough sod nor the heavy soil of his locality will not enter into our western conditions. Sereno Edwards Todd, in his Wheat Culturist, written some forty years ago, says: "If I were to manage the light, sandy soils of the United States I would seldom use the plow in preparing the soil for any kind of crop." The disk was then not in use, but by using cultivators and harrows, his seed bed would have been formed. As scientific knowledge is gained we are led to see truths so clearly seen by far seeing men of earlier times. In working an 80-acre farm near Erie, Pa., I discarded the plow altogether, and prepared all my ground for all crops with the disk. I was frequently told "It wouldn't work in this country," but it did and yielded as large crops as my neighbors' plowed land. The difficulty lies in getting farmers to do the work thoroughly. Sometimes the conditions are such that even one double disk will thoroughly prepare a field and so that creates a precedent for future years, where the conditions are such that four or five double diskings will be required for getting the soil in proper condition. Then again there is much difference in disks, as in all other tools. I have used many different makes, but have never found one to equal Clark's Cutaway in quality of work. Whether it is in the manner of draft connection or in the concavity of the disks I am unable to say. Prof. Campbell has done a great educational work in demonstrating how moisture

can be captured and retained in the soil by the rough and frequent culture, but we must improve these methods so as to retain the soil and increase the fertility as well as the moisture and eventually this will result in a crop rotation and the keeping of live stock.

Juanita, Neb.

F. C. JOHNSON.

Winter Wheat and Rye.

The Crop Reporting Board of the Bureau of Statistics of the United States Department of Agriculture finds, from the reports of the correspondents and agents of the Bureau, as follows:

The newly seeded area of winter wheat is estimated as being 5.6 per cent less than the revised estimated area sown in the fall of 1907—equivalent to a decrease of 1,762,000 acres, and indicating a total of 29,884,000 acres. The condition of winter wheat on Dec. 1 was 85.3, as compared with 91.1 on Dec. 1, 1907, 94.1 on Dec. 1, 1906, and a ten-year average of 92.2.

The newly seeded area of rye is estimated as being 4.0 per cent less than the area sown in the fall of 1907—equivalent to a decrease of 80,000 acres, and indicating a total of 1,935,000 acres. The condition of rye on Dec. 1 was 87.6, as compared with 91.4 on Dec. 1, 1907, 96.2 on Dec. 1, 1906, and a ten-year average of 95.0.

Comparisons for important winter wheat and rye states follow:

WINTER WHEAT.				
State.	Area, 1908-9 preliminary	Area, 1907-8 preliminary	Average condition Dec.	10-year.
Kansas.....	96 6,173,000	92 95 93		
Indiana.....	88 2,446,000	65 91 91		
Illinois.....	88 2,095,000	72 91 93		
Nebraska.....	99 2,335,000	89 93 94		
Missouri.....	94 2,135,000	90 93 93		
Ohio.....	82 1,743,000	62 84 88		
Pennsylvania.....	95 1,545,000	88 86 94		
California.....	90 1,080,000	92 88 93		
Oklahoma.....	90 1,241,000	89 94 93		
Texas.....	94 929,000	89 93 92		
Michigan.....	89 797,000	74 87 88		
Tennessee.....	95 806,000	87 90 89		
Kentucky.....	90 699,000	80 96 91		
Maryland.....	100 773,000	95 84 93		
All others.....	105 5,087,000	88 91 93		
United States..	94.4 29,884,000	85.3 91.1 92.2		
RYE.				
Michigan.....	92 339,000	81 88 94		
Pennsylvania.....	108 368,000	90 88 95		
Wisconsin.....	95 281,000	86 97 97		
New York.....	96 140,000	92 92 96		
Minnesota.....	96 88,000	91 94 94		
Nebraska.....	93 85,000	90 90 95		
Illinois.....	89 63,000	80 94 97		
New Jersey.....	102 80,000	100 84 96		
All others.....	91 491,000	88 93 95		
United States..	95.0 1,935,000	87.6 91.4 95.0		

How To Thin Peaches.

EDITOR KANSAS FARMER:—I read in your paper about "thinning peaches," where the trees are inclined to overbear, in order to get larger peaches. What is the best way to do this "thinning?"

A. S. WILSON.

Galena, Kan.
The first thinning back of peaches should be done by cutting back the new wood, as the fruit of the peach tree is borne on wood of the previous year's growth. This new wood may be shortened back in the fall, and this cutting back sometimes serves to ripen the wood if done late in the season. If done too early, on the other hand, it sometimes stimulates a second growth, which may prove disastrous. We prefer to shorten back our peach trees in February or March, and thin out the bearing branches.

After the fruit is well set, it is best to thin until the peaches are at least from two to four inches apart, depending upon the number on each branch, and the age and size of the tree. This work can be profitably done up to the time the peaches are half grown, but the earlier it is done the better the quality of fruit resulting.

ALBERT DICKENS.

The Red Polled Cattle Club.

During the annual meeting of the Kansas Improved Stock Breeders' Association at Topeka the members of the Kansas Red Polled Cattle Club will hold their annual business meeting, beginning at 6.30 o'clock p. m. on Wednesday in the assembly room of the new Capper Building. All breeders of Red Polled cattle are urged to be present. Jno. E. HINSHAW, Secy.



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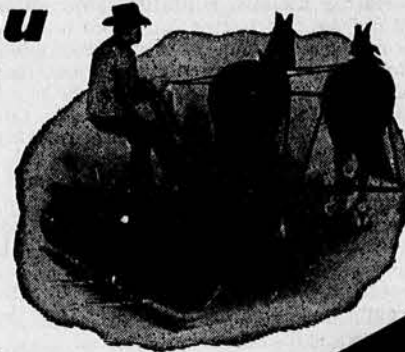
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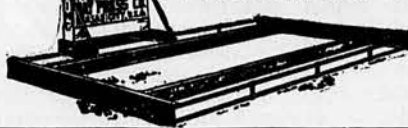
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DAIRY



The Babcock Test.

I took 9 pounds of cream that was thick, saved for 4 days, which tested 32 per cent, and we churned two days' cream of the same kind and got 3½ pounds of butter. Please tell me whether I was beat or not, and whether or not a tester will test out as much as I can churn? I was dissatisfied so turned the cream screw once around and took it to another party, and in four days I got 20 pounds of cream that tested 25 per cent.

We could not get any more butter out of the two day thin cream than out of the thick.

I want to know whether the Government inspector has anything to do with looking up such matters?

Princeton, Kan. O. W. TARR.

The Babcock test gives the per cent of butter fat the milk or cream contains, which is the pure animal oil of milk products.

Butter usually contains from 80 to 82 per cent of butter fat. The balance is made up of water, salt and caseine. Hence, you could churn out about one-fifth more butter than the Babcock test would give in butter fat. You churned 9 pounds of cream testing 32 per cent. This cream contained 2.88 pounds butter fat, and made 3.5 pounds butter. This would give .62 pound increase over the Babcock, and is the water, salt and caseine that is incorporated in the butter fat. This would be called an over-run by the creameries, and in this case would be 21.4 per cent.

Judging from the figures given and the relation between the butter and the butter fat shown by the Babcock test, I would consider the first test accurate, while in the second place, the increase of cream and the decrease in the per cent of butter fat does not differ proportionately. As well, it was found that the large amount of thin cream, separated after you had turned the cream screw, produced no more butter than was churned from the first cream. If the first test had been wrong, a greater difference would have been found between the amount of butter and the amount of butter fat. I would therefore consider, from the figures given and the relationship between them, that the last test was 5.6 per cent inaccurate.

This difference may have been caused by the operator in not properly understanding the art of cream testing. Or, it may have been inten-

tional on the part of the operator in order to create dissatisfaction with the cream patron, and thereby secure trade. A considerable amount of this kind of work is being done throughout the state, proof of which I have. It creates dissatisfaction among the patrons, and lack of confidence in the test. I therefore trust that the day is near at hand when no person will be permitted to test the farmers' cream who has not a permit granted by the state for this purpose. Our dairy farmers and creameries should receive this protection.

D. M. WILSON,
State Dairy Commissioner.

Tuberculous Cows.

Dr. D. M. Campbell, milk inspector, Topeka, Kan., has made the following report to the live stock sanitary commissioner: In compliance with your request for information concerning the use made of tuberculin furnished by your department, I have to report the following:

Herd.	No. animals tested.	No. tuberculous.	Percent tuberculous.
A.	45	29	64 2-3
B.	17	0	0
C.	25	5	20
D.	31	9	29
E.	2	0	0
F.	41	2	5
G.	43	2	4 2-3
H.	6	0	0
I.	1	0	0
J.	8	0	0
K.	2	1	50
L.	8	1	12 1/2
M.	16	2	12 1/2
N.	30	0	0
O.	19	1	5
P.	11	0	0
Q.	10	0	0
R.	30	0	0
S.	10	1	10
T.	6	1	20
U.	4	1	25
V.	17	1	6
W.	11	1	9
X.	35	7	20
Total.	433	62	14

All of the above are Shawnee county herds. The number includes some of the worst and some of the best herds in the county. Judging by other tests made by this department, the conditions in the above twenty-four herds represents a fair average of the conditions in this vicinity.

From the meager data, I have been able to obtain of previous tests of Shawnee county herds the number of tuberculous animals has increased greatly in the past five years.

A very important fact revealed by these and other tests, by this department, is that approximately 40 per cent of the herds in this county are as yet free from tuberculosis. It has been possible to trace the infection to its introduction in many of the herds investigated. It is confidently predicted if the unrestrained intermingling of cattle from infected to non-infected herds continues during the next, as it has during the past five years, the per cent of non-infected herds will be reduced to less than 10 per cent of the whole number of herds in this vicinity.

The infection in a number of herds was definitely traced to the introduction of pure bred and registered animals from states east of the Mississippi river. The widely extended compulsory application of the tuberculin test in states east of here, has in great measure ruined the market for any but tested and known to be healthy cattle in eastern states. This has resulted in increased efforts on the part of many eastern breeders to unload their stock in states offering no barrier to diseased animals rather than stand the loss likely to result from having their herds tested for, and freed from tuberculosis. In the opinion of this department, justice to the milk and cream producers of this state demands that the state prohibit the importation of any animals for dairy purposes, that have not passed the tuberculin test within a year.

The elimination of tuberculosis from the cattle of the state is desirable from a public health view point. The expense of what is for the public good should be borne by the public. It is conservatively estimated that the loss occasioned by tuberculosis to the live stock interests of the state, is in excess of \$14,000,000 a year. Kansas has to stand about her proportionate share of this loss. It is therefore desirable



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to the live stock interests that tuberculosis be eliminated from the state. Since the owner of cattle condemned for tuberculosis and destroyed receives only a part of the benefit derived from such action, it appears to me he should be called upon to bear only a part of the expense resultant on such proceedings. The remainder should be borne by the public.

In all cases where autopsies have been held upon reacting animals, the post mortem findings have confirmed the ante mortem diagnosis of tuberculosis.

Dairy Notes.

The essentials of a rapidly growing, prosperous and profitable dairy industry are: a good cow; an intelligent feeder and care-taker; an easily accessible and profitable market for the butter fat; an economical and efficient system of converting butter fat into butter; and economical and expeditious facilities for distributing the butter. The people of the west are served by the best creameries in the world and it is admitted by all familiar with creamery practise that each of the above essentials has been perfected to the greatest possible degree in view of the volume of raw material on which to work. An increasing volume of butter fat is dependent wholly upon the advancement of the farmer. His increased profit and increased receipts can come only through better cows and better care. It is up to the producer to make the industry in the western states more important.

This editor a few days past met Otis L. Benton, of Decatur county, Kansas. Mr. Benton is enthusiastic over the development of his county along dairy lines. He says a few years ago there was little or no cash income from the sale of butter fat, in fact five years ago people did not know such a thing as butter fat. This year he says his county will sell \$100,000 worth of butter fat to creameries and, to use his own remark, "It is like finding that much money." What is true of Decatur county is also true of numerous other counties. The cream check in years past has made it possible for hundreds of people to live in and keep their homes in western Kansas. The cream check is as much appreciated in

these times of prosperity in that section as it was during the "short" years. Now the check pays the taxes, buys groceries and clothing and keeps the farm going, while the wheat, corn, cattle and hogs buy more land, improve the farm or add to the bank account. The dairy cow is a valuable friend in time of need and being such she deserves patronage and good care in the fat years.

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AMERICAN SEPARATOR CO., Box 1119, BAINBRIDGE, N. Y.

Dairying on Increase.

A most popular branch of farming in Kansas is dairying, writes J. C. Mohler, assistant secretary of Kansas board of agriculture in a recent issue of Orange-Judd Farmer. The wide spread growing of alfalfa has no doubt been a great factor in its development and the continued increase in the value of dairy products is a hopeful sign of the times. Last year the value of cheese, butter and milk sold was \$10,777,000, an increase of over \$1,000,000 in the year. While the value of the output has been climbing upward year by year, the number of milch cows kept has been as steadily declining. For instance, the largest number of milch cows recorded for the state was 802,738 in 1903; in 1904 there were 792,712; in 1905, 763,803; in 1906, 711,152, and in 1907, 690,318. The decrease in



J. C. MOHLER.

numbers of milch cows and the increase in the value of their output indicates that the stock is considerably superior, or that prices are much higher. As a matter of fact the situation may be due to both superior animals and better prices. There is no doubt that the more progressive of Kansas' dairymen are continually eliminating the least profitable animals from their dairy herds, with the result that many have high grade cows if not pure breeds. This is evidenced by the high prices that persistent milkers of known quality are bringing.

Recently a prominent dairy farmer of Shawnee county, Kansas, who had built up an excellent herd of dairy cows, sold at public auction all his stock, mostly grades, but good individuals. There were a larger number of

buyers present, and the bidding was spirited. It seems that nearly everybody is on the lookout for first-class dairy cows, and when one is found she commands big money. The buyer doesn't haggle about the price. At this sale one cow sold for \$92.50, the others ranging from that down to about \$60 per head for the younger cows. Several excellent milkers due to be fresh before long brought \$80 or thereabout, and one Holstein yearling heifer eligible for registry was knocked off at \$55. There was need for no urging to get buyers to bid, and sales were made in a sprightly manner.

It is a mighty hard matter to find first class milch cows for sale in Kansas, and the demand shows that the industry is bound to continue to develop. Shawnee county farmers are especially active in dairying, and this is natural, owing to the excellent market, either for the whole milk or cream that is afforded by the creameries and milk stations in Topeka. The increased interest in dairying indicates that the tendency is in the proper direction, and that those who engage in the business are making their prosperity a little surer, to say nothing of maintaining the fertility of the soil, and enriching it for the benefit of later generations.

Food Value of Milk.

A man of average weight when kept inactive, as when kept in bed, can live and sometimes put on flesh on three quarts of milk per day, this quantity containing 15 ounces of dry solids—fat, sugar and casein; but if the quantity is increased to four quarts a day the food consumed is sufficient to enable him to do a good day's work, according to Professor Long of England. We at once admit that so large a quantity of fluid would not be suitable as diet for a healthy man. We simply show that the feeding matter consumed by an average man should be 3,500 calories, and such we find in 1½ pounds of bread, one-half pound of potatoes and ¼ of a bond of boneless beef and 3 ounces of butter; but, excepting butter, there is in the other foods not only waste material which cannot be digested, but a large quantity of moisture. As four quarts of milk are equal in caloric value to this ration, for there is no waste, it follows that a man may attain as much nutrition from four quarts of milk as from the more substantial ration. Again, it has been shown that in a pint of milk with bread (10 ounces) there was more nutrition than in a restaurant meal consisting of soup, beef, some cabbage, bread and butter, with a cup of coffee containing milk and sugar, which costs just twice as much.

Dairying Inevitable.

If any one state is given over to beef, pork and poultry raising, that state is Missouri, and dairy husbandry, as it is known in New York and Wisconsin, hardly exists. Yet at the meeting of the Missouri State Dairymen's Association, Dean H. J. Waters of the Missouri Agriculture College, declared that, while he was raised a beef man himself, did not like dairying and would not milk a cow if he could help it, he must, in doing his duty as an honest guide of present students who will be the farmers of tomorrow, point out the inevitability of dairying as population increases and land values advance. He stated that in the production of animal foods beef is the most expensive to produce, then mutton, then pork, then dairy products, and then poultry; and he inferred that the day for any margin of profit in producing animals exclusively for beef was almost past.

Andrew Logan of Tavistock, Canada, has been appointed instructor in commercial dairying at the Kansas state agricultural college and assumed his duties January 1, 1909. Mr. Logan is a graduate of the Reading agricultural college, Reading, England, also of the Midland dairy institute, Derby, England. He holds the national diploma in dairying by the Royal agricultural society of England and the Highland and agricultural society of Scotland. He is also a holder of the British Dairy Farmers' Association's diploma, holds a silver medal for dairying and also a butter and cheese factory managers' certificate from the Midland dairy institute of England. In connection with this he has had extensive experience in creamery management. He spent the past season under one of Canada's best known and qualified cheesemakers.

DE LAVAL CREAM SCORES HIGHEST AT GREAT DAIRY SHOW

At the great National Dairy Show held recently in Chicago, cream skimmed with DE LAVAL separators won all highest honors. The cream exhibits were made in two classes and the winners in each were as follows, all being users of DE LAVAL hand separators:

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1st Prize, Gold Medal, G. C. Repp, Ohio Score 98½
2nd Prize, Silver Medal, W. R. Newberry, Ohio Score 94

CERTIFIED CREAM.

1st Prize, Gold Medal, Tully Farms, New York Score 94½

The contest was under the direction of the Dairy Division of the United States Department of Agriculture, Washington, and Mr. Repp's winning exhibit in the Market class was pronounced practically perfect and given the highest score ever awarded by the Dairy Division.

For the past twenty years butter made from DE LAVAL cream has won all highest honors in every important contest. Sixteen of the largest 1908 State Fairs awarded their first prize to DE LAVAL butter and now comes this sweeping victory for DE LAVAL cream in the big Dairy Show contest, which only goes further to prove that DE LAVAL machines are head and shoulders above every other skimming device in every feature of separator use.

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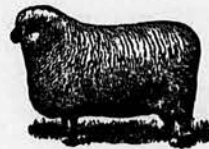
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These ewes are principally yearlings and 2-year-olds and will be sold in lots of three. They are carefully mated and will have lambs in the spring. This offering was sired by such noted imported rams as Imp. Diamond Ace 161810, the champion ram of America in 1901; Imp. Monarch 192384, champion ram of America in 1903; Imp. American



Wonder 206309, the first prize winner at the exposition in St. Louis in 1904; Imp. Allen's 2093 No. 206305, who was the first prize ram lamb at the English Royal and bred by T. S. Minton. The offering is choice and in the best possible breeding condition. No breeder in America has won more Shropshire prizes than Mr. Allen. For a catalogue address,

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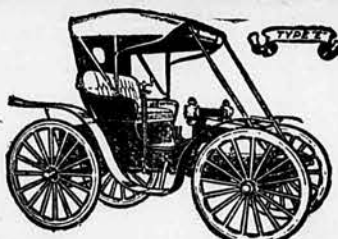
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HOME CIRCLE



THE UNBARRING OF THE DOOR.

Friar Hilary of Barbizon,
(Rest to his soul where his soul has gone!)
His life it had been long perplexed
By pious juggles with the text
The logic of Saint Thomas' books
Was fastened to his mind with hooks.
He knew Tertullian's work complete—
That treatise on the Paraclete.
He knew the words Chrysostom hurled
In golden thunder on the world;
And he could commentate and quote
The thirteen books Saint Cyril wrote.
The controversies of Jerome,
He could recite them, tome by tome.

The friar was tall and spare and spent,
Like a cedar of Lebanon, bare and bent.
His eyes were sunken and burned too bright,
Like restless stars in the pit of night.
The friar had built a tower of stone,
And dwelt far up in a cell, alone;
And from the turret, gray in air,
He called to God with psalm and prayer,
To come as He did to the wise of old—
To come as the ancient voice foretold.
All day the hawk swung overhead;
All day the holy page was read.

One bleak December he fasted sore,
That Christ might knock at his low door—
For he was hungry to be fed
With holy love, with the mystic bread.
Yet Christ came not to sup with him,
And Christmas Eve fell chilly and dim.
"Where art Thou?" he would cry, and hark,
While echoes answered in the dark.
Where was the Lord—was He afar,
Throned calmly on the central star?

Now suddenly there came a cry
As of a mortal like to die!
Up sprang the friar; the doors of oak
He flung asunder at a stroke.
Down stair by stair his quick feet flew,
Startling the owls that the rafters knew,
Breaking the webs that barred the way,
Crushing the moths that fear the day.
Into the piteous street he ran,
To find a stricken fellow man,
And carry him in upon his breast.
With many a halt on the stairs for rest,
He washed the feet and stroked the hair,
And for the once forgot his prayer.
He gave him wine that the Pope had sent
For some great day of the Sacrament;
And looking up, behold, at his side
Was bending also the Crucified!
He had come at last to the lonesome place,
And standing there with a courteous grace
Threw sainted light on the friar's face.

And then the Master said, "My son,
My children on my errands run;
And when you flung the psalter by,
And hurried to a brother's cry,
You turned at last your rusty key,
And left the door ajar for Me."
—Edwin Markham.

Care of the Sick.

Diseases are always more prevalent and illness more general during the months that follow the holiday season than before, for some reason. Some physicians ascribe it to excesses—over eating, over work and worry at this time. But they come and are liable to come at any time, and while it is unwise to fear and stand in expectation of illness it is well to be ready and know how to manage it should it come. The recovery from illness depends more upon the nursing and the proper care of the sick than medicine or the physician. This, physicians have repeatedly affirmed and experience proven. Too little is known about it by the housewife and mother upon whom the nursing of the sick in the home generally falls. She, as a rule, gleanes her knowledge of this branch of her education from here and there and experience. Some are natural nurses and from intuition know how and what to do. There are new theories and ideas always being advanced, but there are some things upon the subject that every mother should know in order to hasten the recovery and ameliorate the suffering of the sick.

The room in which the invalid will have to remain should be the best suited for the purpose that is available in the house—large, well lighted, easily heated and ventilated. The ideal heating is hot air and fireplace or grate, but one must use what one has and adapt it to the needs in the best possible way. If a stove is used, keep a vessel of water upon it, and when replenishing the fire do not use a shovel nor pour the coal into the stove and put a small amount in a paper and place it on the fire and thus avoid noise and dust. Bare floors with small rugs that may be easily shaken are preferable to carpet, which is a good place for germs and dust to collect. Curtains and draperies and everything that can catch and harbor dust should be removed. Cleanliness in everything pertaining to the sick is very essential. The walls may be kept free from dust with a soft cloth fastened over a broom. A bag made of cotton flannel with the fuzzy side out to put over the broom is good, but the leg of an old pair of winter un-

derdrawers answers the purpose. The handle of the broom may be put through the leg and the large part pulled over the broom. There is nothing like utilizing what one has to advantage. It saves time and expense. If the floor is carpeted, do not sweep so as to raise a dust, but go over it with a dampened bag or cloth over a broom. A little carbolic acid or other disinfectant put into the water is a good thing. The cloth should be rinsed in this water and dried after using it. A caution should be added here. Most disinfectants are poison and care should be taken to keep such well out of the reach of children, and they should be marked poison. Many painful and fatal accidents occur from a lack of care.

Let all the sunshine possible into the sick room, but have dark blinds over the windows that the room may be shaded when necessary. Sunshine is a wonderful germicide and healer and its cheerful rays inspire hope and courage, which help greatly to hasten recovery. Air, we can not get along without in health and it is much more necessary in illness when the vitality is low and the powers reduced. The patient can not get out into it, so it must be gotten to him. While the air must be admitted it should be so done as not to cause a draft nor blow directly upon the invalid. Do not place the bed in front of a door or window. A screen is a convenient article to have in a sick room, but a clothes rack with a sheet thrown over it answers every purpose to shield the invalid from drafts while ventilating the room. Once a day, at least, the room should be thoroughly aired, first covering the patient up well, head and all, and protecting him from the drafts with the screen. Then open the windows wide until the vitiated air is replaced with pure fresh air. Then do not remove all the extra covering at once, before the air is warmed again. The proper temperature for the room is from 65° to 70°. In fevers, however, it is sometimes allowed to drop as low as 59°, and convalescing patients often require a temperature of 72°, because they are weak and the blood thin and impoverished. Every house should have a thermometer. No one can properly regulate the heat of a room by his feelings. They are not a true guide. One way to ventilate a sick room is to raise the window a few inches and fit a board into the space, thus allowing the air to come in at the opening made at the middle where the two sashes come together at the middle and at the cracks.

The sick room should be kept free from noise and disagreeable sounds. Quiet is very necessary to the comfort and rapid recovery of the sick. Squeaky shoes, rustling skirts, loud talking and whispering are annoying. The rattling of a paper, turning of the leaves of a book are equally disturbing and should be avoided. When caring for your sick ones, think of the things that were trying to you and that you wished were different and endeavor to make them as much like you wished them to be as you can. Be cheerful and hopeful and have courage enough to supply your own need and that of your patient.

The Oldtime Buckwheat Cake.

Sift a quart of old-fashioned buckwheat flour with a cup of yellow Indian meal and a tablespoonful of salt. Add three cupfuls of hot water and one of milk. The hot water mixed with the cold flour will make a mixture that is blood warm. Beat the batter vigorously and add to it a cupful of home-made yeast, or a yeast cake dissolved in a cupful of lukewarm water. Set the batter where it will rise thoroughly over night, yet where it is not hot enough to sour; cover carefully. In the morning, beat the batter again, grease the griddle, and add to the batter a cupful of warm milk, in which a heaping teaspoonful of soda has been dissolved. Beat the batter again until it foams



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up almost like soda water; then begin to bake the cakes immediately. It is not well to let the batter stand without using after adding the soda, as it gradually becomes heavy again. If the batter is not thin enough, add more milk.

It is the use of milk instead of water which makes the cakes brown nicely. If they are made with water alone, they will not brown. A little molasses will make them very dark brown but do not use too much, as it is apt to taste and take from the real buckwheat flavor. Two tablespoonfuls of molasses is considered enough. Buttermilk is said by one authority to answer the same purpose.

That old authority of bygone days—Miss Leslie—whose quaint cookbook is now out of print, describes the genuine buckwheat cake of her day, and advises the use of a bit of butter tied in a piece of cotton for greasing the griddle. A swab of cotton tied around the end of a small stick and then dipped in fat with a piece of butter added is better yet. The use of a little butter undoubtedly helps to brown the cakes.

Miss Leslie also advises making the cakes quite large, serving several on a plate, with butter between each, and cutting the pile into six pieces.

Do not use all the batter for cakes, but lay aside about a pint of it to use instead of yeast for raising the morrow's batter. The cakes raised with this left-over buckwheat batter will be better than those raised with yeast. The next day proceed exactly as before, using the pint of left-over batter instead of yeast. On the third day, take another pint of the left-over batter and proceed in the same way again. Continue in this manner for three or four weeks before renewing the entire batter with yeast. If kept in a very cold place, yet where it will not freeze, this batter will never sour or become stale, providing it is covered with water when not in use. Be sure to pour the water off before mixing up into cakes. The cakes actually improve in flavor with the age of the batter. If cakes are baked every day, it is perhaps better to begin a new batter somewhat often than the time given.

Some housewives use oatmeal instead of Indian meal when mixing the cakes, and others use a cupful of dried breadcrumbs to every two cups of buckwheat flour. Still others use a portion of wheat flour with their buckwheat, but the Indian meal seems to be the best.—New York Tribune.

Foot in Finger Bowl.

The late William Cassidy, one time editor of the Albany Argus, possessed the traditional Irish wit. On one occasion a number of years ago he was a guest at a political banquet in Albany. At that time finger bowls were seldom used, and their correct usage (a passing fad) meant to dip a corner of the napkin in the water and therewith daintily cleanse the finger tips.

Most of the men present eyed the innovation, when introduced at dessert, narrowly and uncertainly. One after another ended by plunging the hand into the crystal dish. But Robert Pruyn, a well known Albany gentleman, correctly moistened a bit of his napkin and laved his fingers. Mr. Cassidy watched him admiringly, not having as yet touched his own glass. "That's good," he whispered to a neighbor. "That's good. If Pruyn hadn't done that I should have put my foot in it."—Baltimore Sun.

Our boys and girls should take advantage of some of our premium offers. See next page.

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THE YOUNG FOLKS

MOTHER FEEDS THE CHICKENS.

before the sun has rose
 ther builds the kitchen fire,
 black rooster crows 'n' crows,
 his neck would never tire;
 get up 'n' feed the stock
 ater Fannie 'n' milk the cows,
 a gate er broken lock;
 ater breakfast father plows
 mother feeds the chickens.

neake Willie wouldn't eat,
 orn bread left on Marjorie's plate,
 o of toast, a bit of meat,
 ll the stuff that no one ate,
 ta it in that worn out tin,
 s out some grain 'n' pretty quick
 lers nearly 's loud's she kin,
 e chick! chick! chick! chick! chick!
 "chick!"
 when she feeds the chickens.

ught to see old Top-Knot run,
 anty hop—he's hurt one leg—
 mouth Rock (the biggest) one—
 ys a 'normous, monst's egg—
 peckle, with her new hatched brood,
 kin' to 'em's hard's she kin,
 win' 'em the nice's food—
 ata it for 'em out the tin,
 pecks the other chickens.

ay, our cat, comes snoopin' roun'
 ly peeks from hind the stoop;
 meat's there he is boun'
 an't go to the chicken coop,
 lled with all an owner's pride,
 Willie comes with wondering eyes,
 oks so brown 'n' bright 'n' wide;
 ves to watch 'em, 'n' he cries—
 see my baby tickens!"

to ride the colt a lot
 for berries in the patch;
 o see our dog 'n' Spot
 a turbule scappin' match;
 its kind-a quiet fun,
 it nearly best of all;
 why I allus cut an' run
 'em 'f I hear the call—
 chick! chick! chick! chick! chick!
 "chick!"
 an mother feeds the chickens.
 —Will L. Davis, in Chicago Record.

A License for Prince.

hat's that noise in the hall?"
 the Mayor of his clerk, who had
 entered the private office.
 s a little girl," was the smiling
 er, "crying to have an audience
 you, and, of course, the men in
 anteroom won't admit her. She is
 isting rather determinedly, but I
 s Officer McMahon will soon con-
 her that this is your busy day."
 ell McMahon to let her in at once,
 f she has already gone, you over-
 her, Clark, and bring her back."
 ark, somewhat crestfallen, hurried
 the office and the Mayor said
 ngly, "A city father ought to have
 ute or two to spare a city child."
 ou wished to see me?" he asked
 ment later, looking into the tear-
 ed face of a shabbily dressed lit-
 tle girl.

es, sir, please, about Prince."

ho is Prince?"

he's my pet. I've had him ever
 he was a puppy, and yesterday
 dog-catchers took him. They took
 right away from me." Tears
 rupted the child, and, the Mayor
 ng rather helpless took refuge in
 mbance of sternness.

m afraid you didn't have a collar
 license for Prince. You know we
 ave to obey the city laws."

Yes, sir, and I've been trying to
 money for the license, but it
 s such a lot and—and father had
 orrow the pennies out of my
 ."

he did, did he?" Now the Mayor's
 was really stern. "What does
 your father do?"

Nothing now. He was laid off on
 ount of the tight money trouble, he
 s. He is looking every day for a
 , but it's hard to find one. I wanted
 work out, but he says I'm too little,
 , besides, I don't see how he'd get
 ng without me. There's just us
 o and I'm his housekeeper."

Oh, is that so?" the big Mayor
 elled at the tiny housekeeper.

ell, I guess we can get Prince out
 trouble. Here, Clark, you telephone
 the pound that this young lady—
 at is your name?"

"Margie Brown."

"That Miss Margie Brown will call
 claim a dog this morning, for whom
 shall have ready a collar and
 ense. Now, Margie, Mr. Clark will
 roduce you to a policeman, who will
 ow you the way to the pound, where
 ink you'll find his highness, Prince,
 e and barking."

"Oh, thank you so much, sir. I
 ."

"That's all right," the Mayor spoke
 with his usual brusqueness, but as the
 ild was leaving the room he called:

"If your father doesn't find a job to-
 day have him come here to-morrow. I
 think by that time I may hear of some-
 thing the father of Margie Brown can
 do." Then, as the door closed, he said
 to himself with a whimsical smile:
 "I suppose the boys down in my old
 ward would think I was soft-hearted to
 give Margie's father work, when so
 many of them are waiting for easy
 jobs, but I guess it's my privilege, once
 in awhile, to be a human being instead
 of a politician."—Kilbourne Cowles in
 the Advance.

Shorthand Department

A Series of Simple, Practical Lessons
 for Every Member of the Family.

BY GEO. E. DOUGHERTY, TOPEKA.

All correspondence relating to this department
 should be addressed to Geo. E. Dougherty, Topeka,
 who will give prompt reply by mail when return
 postage is enclosed. If you send longhand copy of
 the shorthand exercises for correction and sugges-
 tions, enclose four one-cent stamps.

SHORTHAND ALPHABET.

K u m n a n t r Th iae Per'ed
 The eight sounds above are written up—
 Ex F P L Y i n e n G M B I S U
 D J Wh W Ch S Sh A A S a w U U

Each sign has a certain shape, and a cer-
 tain size in proportion to the other signs—
 just as longhand letters have;—no 'e' that up
 strokes are wider than similar down strokes;
 they are naturally so written—in longhand.
 In reading the Shorthand exercises, note
 that each dot and hook and each stroke and cir-
 cle of a different shape or of a different size
 stands for a different sound—always the same
 sound; and that only actual sounds are repre-
 sented;—there are no "silent letters."

The Shorthand word *q* is made up of two
 different signs; the hook is one and the down
 stroke another: *q* (s-ee). *q* is just the same
 except that it has one additional sign *q* (D),
 making "s-ee-d". The first sign of *q* is the
 same as the last sign of *q* and is therefore D;
 the second is short "o", and the third is G,
 making the word "dog". *q* is *q* o *q*
 (d-ō-t), exactly the same as "dog" except the
 last sign. *q* is *q* o *q* b-aw-t (bought).
 is *q* p-an. is *q* l-qn-d. is
 o *q* c-ā-b-s. is *q* m-ā-d (long a)
 "made", not "mad".

Most of these sound signs are also used,
 standing alone, for certain words.

LESSON EXERCISES.

17. *q* x *q* 170 x *q* 170 ✓
 0—*q* x *q* 170. *q* x *q* 170. *q*
 21. *q* x *q* 170. *q* x *q* 170. *q*
 22. *q* x *q* 170. *q* x *q* 170. *q*
 23. *q* x *q* 170. *q* x *q* 170. *q*
 24. *q* x *q* 170. *q* x *q* 170. *q*
 25. *q* x *q* 170. *q* x *q* 170. *q*
 26. *q* x *q* 170. *q* x *q* 170. *q*
 27. *q* x *q* 170. *q* x *q* 170. *q*
 28. *q* x *q* 170. *q* x *q* 170. *q*
 29. *q* x *q* 170. *q* x *q* 170. *q*
 30. *q* x *q* 170. *q* x *q* 170. *q*

We give the first three of the above
 sentences. Write out the others in
 longhand and send them for correc-
 tion and suggestions, in accordance
 with the offer at the head of this de-
 partment: I see a leaf. I see you.
 You may eat the piece of the pie.

Advice in an advertisement is like
 a stick frozen in the ice; the skater
 stumbles over it but nobody stops to
 dig it out.—Agricultural Advertising.

Some people try to accomplish their
 work with one hand while holding onto
 the tail of time with the other.—Agric-
 cultural Advertising.

It doesn't pay to advertise for a lost
 opportunity.—Agricultural Advertising.

POTASH



in the bag is turned into
 money in the pocket.
 Success in farming de-
 mands at least two things:

- (1) Thorough Tillage
- (2) Fertile Soil to Till

The first applied to crops on exhausted
 soils is Waste of Time and Labor. 'Se-
 cure the second, then apply the same
 methods, and every stroke counts. Your
 bank account will prove it.

Our Literature on Potash covers every pos-
 sible use for it, and how to get the most out of
 it. Sent Free on Request.

GERMAN KALI WORKS
 Monadnock Block, Chicago
 New York—93 Nassau Street
 Atlanta, Ga.—1224 Candler Building

FOR THE YOUNG FOLKS

Six Beautiful Imported Post Cards.

We have just received a consignment of beautiful pictorial post cards di-
 rect from Germany and will distribute them free among our subscribers while
 they last. These cards are in every way superior to the average American
 product, which has neither life nor luster. The serial set portrays child life
 in Germany in a humorous though natural way. Every child would greatly ap-
 preciate such a set.

How to get them free—Have two of your friends, who are not now regular
 subscribers to KANSAS FARMER, give you 10-cents each, for ten weeks' sub-
 scription. Send us the 20 cents with your own name and the names and ad-
 dresses of your friends, and we will send you the handsome set of post cards.
 KANSAS FARMER, Topeka, Kan.

GIRLS AND BOYS

Be Your Own Photographer

This handsome and valuable Premo camera is yours for the asking. We
 do not ask you to pay us a penny for it. We have been offering attractive pre-
 miums that would appeal to your father and mother, and now comes your turn.
 The children must not be forgotten.

KANSAS FARMER has gone to a great deal of trouble and expense in select-
 ing a premium that would appeal to every boy and girl in its great family.



Our selection, you will agree, could
 not be better. Think of the fun in
 store for you, when a possessor of
 your own camera. The many beauti-
 ful pictures you can take around
 your own home. A picture of any
 member of your family. Your pet
 horse or dog. Some favorite spot on
 the old farm. If you take a little
 trip, think of the souvenir pictures
 you can bring home, of prominent
 people and places of historical inter-
 est.

This camera makes a picture 2¼
 by 3½ inches—pictures as good as
 will ordinarily be obtained with
 larger sized cameras. Convenient in
 size—can be carried unnoticed in
 your pocket. It's so easy to take

pictures with Premoette. Loads in daylight like all Film Premos—open back,
 drop in Premo Film Pack, close back and camera is loaded. Complete instruc-
 tions with each one.

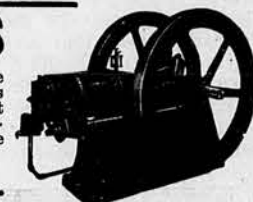
How you can get it—Get six of your neighbors, not now subscribers to
 KANSAS FARMER, to give you their subscriptions for one year each, \$1.00 apiece.
 Send us the six dollars together with their names and addresses, also your
 own and we will send you absolutely free, express paid, this handsome camera
 valued at \$6.00. Two six months' subscriptions will count the same as one
 yearly. You should get the required number in at least a week, some boys
 and girls will get them in one day. Start in at once.

KANSAS FARMER, Topeka, Kan.

WEBER GASOLINE ENGINES

SIMPLE in construction. Most durable because we use
 highest quality material and workmanship. Repairs cost less
 than \$1 a year. The perfect engine for the farm. Sold direct
 from factory to farm without middleman's expenses. Guar-
 anteed for five years' good service. Write today. Tell us the
 size you want.

WEBER GAS ENGINE CO., Box 703,
 Kansas City, Mo.



Earn \$60 to \$100 a Month

as an Electric Railway

Motorman or Conductor

We prepare you in 4 to 6 weeks and assist
 you to a position

Many Positions Now Open

If you want to live in the city with a
 good, steady job, all in coupon, cut
 it off and send it at once for our
 Free Book.

National Railway Training
 Association
 KANSAS CITY, MO.

Name _____
 P. O. _____
 State _____
 Age _____

THE KANSAS STATE FARMERS' INSTITUTE.

(Continued from page 2.)

Second premium, one bushel alfalfa seed by Geo. T. Fielding & Son, to L. V. Sanford, Onida.

Third premium, Chatham corn grader by Manson-Campbell Co., Kansas City, to S. G. Trent, Hiawatha.

Fourth premium, \$5.00 cash and a ham by Allingham & Beattie, Manhattan, to Peter McQuaid, Seneca.

Fifth premium, one ton coal by S. N. Higginbotham, Manhattan, to Ed Flaherty, Seneca.

Auction Sale of Prize Corn.

Col. L. R. Brady, Auctioneer.

C. C. Sanford, Onida, Legal Tender, sold to J. D. Ziller, Hiawatha, \$7.00.

S. G. Trent, Hiawatha, Reid, sold to A. M. TenEyck, Manhattan, \$4.50.

L. V. Sanford, Onida, Sanford's Improved, sold to exhibitor, \$3.00.

Peter McQuade, Seneca, Boone County White, sold to A. M. TenEyck, Manhattan, \$1.75.

Ed. Flaherty, Seneca, Reid, sold to A. M. Ten Eyck, Manhattan, \$5.00.

J. M. Gilman, Leavenworth, Wilson's Red, sold to W. E. Watkins, Anthony, \$13.00.

E. Wilson, Lawrence, Douglas White, sold to exhibitor, \$10.00.

J. M. Gilman, Leavenworth, Boone County, sold to R. A. Willis, Manhattan, \$5.00.

J. M. Gilman, Leavenworth, Bloody Butcher, sold to E. B. Coffman, Manhattan, \$7.00.

J. T. Martin, Hanover, Hiawatha, sold to exhibitor, \$3.00.

D. F. Morlan, Courtland, Boone County, sold to J. B. Brown, Larned, Kan., \$3.50.

J. M. Gilman, Leavenworth, Bloody Butcher, F. A. Coffman, Manhattan, \$6.50.

J. M. Gilman, Leavenworth, Boone County, sold to J. M. McCray, Manhattan, \$5.00.

Ray Gilman, Leavenworth, Boone County, sold to R. G. Campbell, Meriden, \$3.50.

C. C. Sanford, Onida, Sanford's Improved, sold to A. M. TenEyck, Manhattan, \$4.00.

A. R. Snapp, Belleville, Calico, sold to J. W. Johnson, Beloit, \$1.00.

L. V. Sanford, Onida, Legal Tender, sold to A. M. TenEyck, Manhattan, \$5.00.

F. C. Roe, Hiawatha, Reid, sold to J. B. Campbell, Meriden, \$4.50.

Geo. Flaherty, Seneca, Reid, sold to J. W. Johnson, Beloit, \$5.00.

E. W. Snyder, Hiawatha, Reid, sold to John Dunlap, Eureka, Kan., \$4.50.

Oliver Caldwell, Kincaid, Boone County, sold to C. J. Johnson, Solomon, \$2.00.

F. A. TenEyck, Concordia, Reid, sold to Lloyd Swihart, Lovewell, \$3.00.

S. G. Trent, Hiawatha, Boone County, sold to C. J. Johnson, Solomon Rapids, \$3.00.

J. D. Ziller, Hiawatha, Hiawatha, sold to exhibitor, \$2.50.

F. A. TenEyck, Concordia, Boone County, sold to exhibitor, \$3.50.

W. O. Beardmore, Concordia, Sunflower, sold to exhibitor, \$3.50.

J. M. Coverts, Stark, Kan., Covert White Dent, sold to Riley Welch, Lyons, Kan., \$2.00.

R. A. Willis, Manhattan, Boone County, sold to exhibitor, \$2.00.

H. Christopherson, Garrison, Reid, sold to Abner Lundquist, Lindsborg, \$2.50.

Homor Willis, Boone County, sold to A. J. Parr, Roseville, Kan., \$3.50.

N. S. Kelsey, North Topeka, Reid, sold to T. M. Covert, Stark, \$2.00.

G. E. Kelsey, North Topeka, Reid, sold to G. Merritt, Eureka, Kan., \$2.00.

Lloyd Swihart, Lovewell, Kan., Hammett, sold to Geo. Hall, Manhattan, \$1.50.

Lloyd Swihart, Lovewell, Kan., McLiza, sold to exhibitor, \$1.00.

Several other samples were sold at private sale.

Acre Yield Contest, 1908.

The following awards have been made by the national corn exposition for yields determined at the national corn show at Omaha, the samples having been exhibited again at the state corn show at Manhattan. In determining the rank 40 per cent was allowed for score of the sample and 60 per cent for yield per acre:

1. S. G. Trent, Hiawatha, Kan., Boone County, score 35.1, yield 117.57, bought by Ralph Hult, Manhattan, \$10.00.
2. J. M. Gilman, Leavenworth, Kan., Boone County, score 27.5, yield 108.60, bought by exhibitor, \$7.00.
3. W. J. Bryan, Leavenworth, Kan., Boone County, score 22.5, yield 96.72, bought by Ralph McKinney, Glen Elder, Kan., \$3.00.
4. C. C. Mayer, Leavenworth, Kan., Boone County, score 25.2, yield 92.71, bought by J. M. Hall, Soldier, Kan., \$3.00.
5. J. F. Hutchinson, Leavenworth, Kan., Boone County, score 30.2, yield 74.13, bought by C. J. Johnson, Solomon Rapids, Kan., \$3.00.
6. H. A. Cowles, Sibley, Kan., Reid, score 23.4, yield 70.16, bought by Geo. Hall, Manhattan, \$2.50.

Kansas Draft Horse Breeders.

Among the meetings of special interest that were held during the State Farmers' Institute was the Kansas Draft Horse Breeders' Association. This was a business meeting and considerable time had to be devoted to routine matters. The same officers were continued in office for another year.

The chief interest of the meeting centered about the necessity for protective legislation which is felt by every Kansan who has the good of his state at heart.

An outline of a bill was made for presentation to the legislature at the next session. This is based to some extent at least on the well known Wisconsin law. A special committee consisting of Prof. R. J. Kinzer of the college, Senator H. W. Avery of Wakefield and J. T. Gifford of Beloit, was appointed to bring this matter before the legislature to the end that a state commission shall be appointed whose duty shall be to inspect all stallions used for public service and certify as to their breeding, soundness and condition, no stallion to be used for public service without such certificate, a copy of which shall be posted on the door of the barn where the stallion is kept. It is hoped that some good may result and that Kansas may be cleared of the pest of scrub stallions.

Secretary R. J. Kinzer will have further announcements to make in regard to this proposed law.

Herefords at Manhattan.

On Thursday, December 31, during Farmers' Week at the state agricultural college, there was held a combination sale of Hereford cattle under the management of W. H. Rhodes of Manhattan. As Mr. Rhodes had gotten his sale stuff together on very short notice they were not as highly fitted as is thought desirable.

There was a large but very miscellaneous crowd in attendance and this fact, together with the many other interesting things about the college served to keep prices down. Col. R. E. Edmonson of Kansas City and Col. L. R. Brady of Manhattan did the selling. They make a mighty strong team in the sale ring. The contributors to the sale were among the best breeders in Kansas and their animals sure showed the breeding and quality. Under more favorable conditions they would have realized more money. The sales were as follows:

BULLS.

Marcus, 1 year, L. W. Pratt, Alta Vista, Kan. \$70.00

Princess 32d, 1 year, W. T. Kent, Ogden, Kan. 105.00

Milton, 1 year, J. H. Howe & Son, Emporia, Kan. 100.00

Dale 216552, 3 years, Fred Miller, St. Marys, Kan. 165.00

Andrew, 2 years, Jno. D. Hays, Manhattan, Kan. 105.00

Othello 2d, 1 year, Samuelson Bros., Manhattan, Kan. 55.00

Bonnie Columbus, 1 year, Thos. Davies, Manhattan, Kan. 45.00

Baron Columbus 2d, Wm. Henn, Kansas City, Mo. 50.00

Fulfiller 11th, 1 year, Anthony Straub, St. George, Kan. 100.00

Fulfiller 16th, 1 year, E. Halverson, St. Marys, Kan. 80.00

Fulfiller 14th, 1 year, H. W. Jansen, Clay Center, Kan. 75.00

FEMALES.

Grace, 2 years, W. T. Kent, 60.00

Gay Lady, 4 years, Louis Senn, Binger, Okla. 60.00

Lura, 10 years, Wm. Ekart, Manhattan, Kan. 70.00

Pet 3d, 3 years, A. E. Anderson, Stockdale, Kan. 75.00

Iva 3d, 4 years, Jno. Cramer, Manhattan, Kan. 60.00

Mystic's Beau, 2 years, E. Young, Haddam, Kan. 70.00

Favorite, 4 years, Pat J. Burns, Manhattan, Kan. 65.00

Bracelet, 4 years, and calf, Kansas Agricultural College, Manhattan. 85.00

Lula 4th, 3 years, J. H. Glenn, Manhattan, Kan. 45.00

Vera, 3 years, Pat J. Burns, 80.00

Grace Darling 2d, 3 years, J. R. Lindsay, Manhattan, Kan. 60.00

Blossom, 1 year, J. P. Cudahy, Kansas City, Mo. 100.00

Princess 9th, 2 years, W. H. Rhodes, 125.00

Alice, 1 year, J. P. Cudahy, 85.00

Belle Donald, 5 years, Geo. W. Washington, Manhattan, Kan. 105.00

Anneline, 4 years, Pat J. Burns, 90.00

Emily (Imp.), 3 years, Jas. Edwards, Manhattan, Kan. 100.00

Gay Duchess (Imp.), 5 years, Jos. Sees, Manhattan, Kan. 100.00

Mauretta, 2 years, H. A. Fagan, Manhattan, Kan. 65.00

Mytle, J. W. Tennant, Manhattan, Kan. 55.00

SUMMARY.

17 bulls \$1,275; average \$75.00

32 females \$2,280; average 71.25

49 head \$3,555; average 72.35

Kansas Duroc Breeders' Association.

During the State Farmers' Institute at Manhattan last week a business meeting of the Kansas Duroc Jersey Breeders' Association was held and new officers elected as follows: President, John W. Jones, Concordia; vice president, Geo. Kerr, Sabetha; secretary, Grant Gaines, Topeka; directors, Grant Hamm, Holton; Grant Chapin, Green; Geo. M. Hammond, Manhattan; W. C. Whitney, Agra.

A committee on entertainment consisting of Grant Hamm, Holton; Ralph Harris, Buck Creek; Prof. R. J. Kinzer, state agricultural college; J. F. Stodder, Burden; Pearl H. Pagett, Beloit, was appointed to arrange for a full program and a banquet for the 250 Duroc Jersey breeders at the next annual meeting, which will be held at Manhattan, in connection with the State Farmers' Institute.

It was decided to ask each member of the association to contribute one bred sow or gilt to a big sale to be held at Manhattan in March. A portion of the proceeds of this sale is to be used by the association in the promotion of its interests and for the holding of a big Duroc exposition on Kansas soil. Preliminary to this sale a committee consisting of Prof. R. J. Kinzer of the agricultural college, Geo. Hammond, Rudolph Samuelson, and Col. L. R. Brady all of Manhattan was appointed.

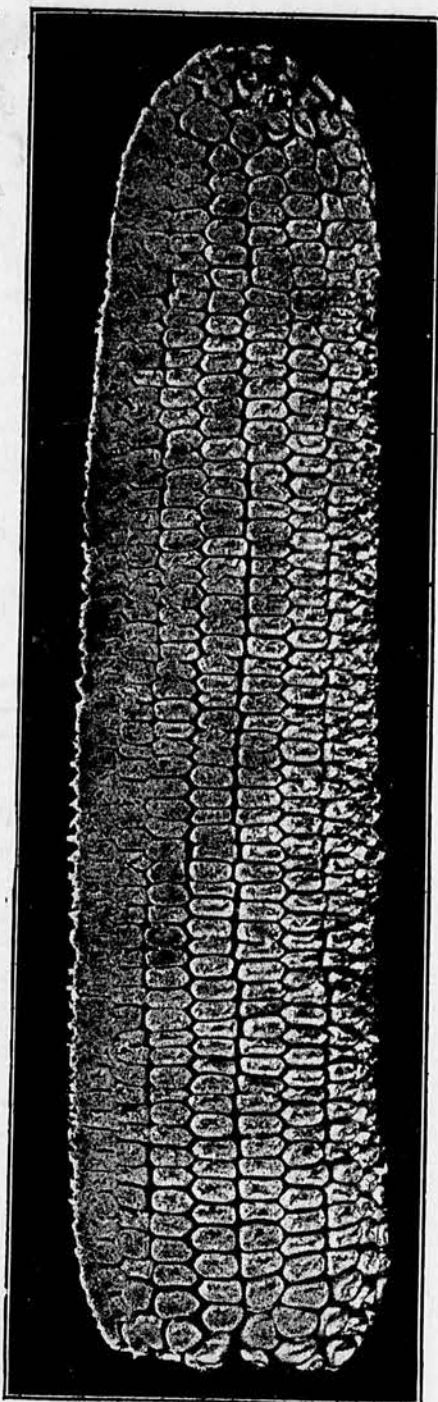
Duroc breeders should get into communication with Secretary Gaines at once and help to push this breed away to the front.

Notes on the State-Wide Institute.

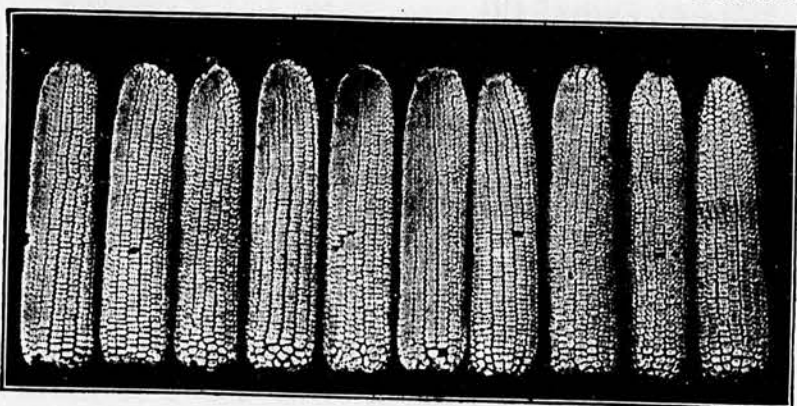
The Kansas Corn Breeders' Association elected officers as follows: President, J. G. Haney, Oswego; vice president, J. M. Gilman, Leavenworth; secretary, L. E. Call, Manhattan; treasurer, J. J. McCray, Manhattan. The two last named were reelected.

It was good to see Prof. D. H. Otis at the college again and better yet it was to hear him. Watch for his paper in these columns soon.

Col. L. R. Brady of Manhattan, the well known live stock auctioneer, conducted the sale of the prize winning



The best ear of corn, grown and exhibited by Earl Willis, Manhattan, from prize winning seed purchased at the boys' corn contest of last year. Winner of the \$50 painting offered as a special prize by Artist Montgomery of Chicago. Variety, Boone County White.



First Prize, best 10 ears Boone County White, won by Paul Gilman, Leavenworth, who made his start as a corn breeder by winning the first prize offered by Albert T. Reid last year for the Leavenworth Post.

320 Acres of Wheat Land in WESTERN CANADA

Will Make You Rich



Fifty Bushels per Acre have been grown. General average greater than in any other part of the Continent. Under Regulations it is possible to secure a Homestead of 160 acres free and an additional 160 acres at \$3.00 per acre.

The development of the country has made marvelous strides. It is a revolution, a record of conquest by settlement that is remarkable. Extract from correspondence of a Missouri Editor, who visited Canada in August last.

The grain crop of 1908 will net many farmers \$20 to \$30 per acre. Grain-raising, Mixed Farming and Dairy are the principal industries. Climate is excellent. Social Conditions the best. Railway Advantages unequalled; Schools, Churches and Markets close at hand.

Lands may also be purchased from Railway and Land Companies. For "Last Best West" pamphlets, maps and information as to how to secure lowest Railway Rates, apply to Agent of Immigration, Ottawa, Can., or to the authorized Canadian Government Agent.

J. S. CRAWFORD,

125 West 9th St.,

Kansas City, Mo.

Greenwood Co. Nursery

Eureka, Kan.

We have to offer for spring delivery, apple, pear, cherry, plum, peach, apricot, quince, trees, grapevines, blackberry, raspberry, strawberry, gooseberry and currant plants, rhubarb, asparagus, hardy shrubs, roses, catpaws, black locust, Russian mulberry, maple and hedge. If in need of any nursery stock write us.

J. W. HINSHAW, Prop.

40 CONCORD GRAPE VINES

Well rooted, VINES \$1. Hardy, good bearers, healthy. All are true-to-name. Order grape-vines here, also 20 budded peach trees for \$1; 8 budded cherry trees for \$1. With free catalog we enclose due-bill for 25c.

FAIRBURY NURSERIES, Box 1, Fairbury, Neb.

HEALTHY TREES AND SEEDS

Buy trees that are grown on new land and you'll get strong, sound trees free from disease. Trees from the Central West grow the best, in all parts of the U. S. Experienced planters have proven this and are coming to the Central West for their trees. Why not profit by their experience and save time and money? Prices absolutely the lowest. No agent. Forest tree seedlings \$1.25 per 1000. Apples 7c and up. We pay freight. Largest Nursery Catalog free.

GALBRAITH NURSERIES & SEED CO.,

Box 33, Fairbury, Neb.

5 Norway FREE

This offer is genuine—not a catch scheme. We simply want to introduce ourselves and acquaint you with our new plan of selling Nursery Stock direct to you by mail. Save you from 25 to 50%. Write today. Get our proposition on 5 Norway Poplars. We'll give you 5 Free and get our price list containing the biggest bargains ever offered. Address, IOWA NURSERY COMPANY, Dept. 54, Des Moines, Iowa.

6 TREES FREE

To prove that our 6 Free Trees are real, we'll give you 6 Fine Spruces 4 to 4 1/2 ft. tall free to property owners. Wholesale value and mailing expense over 30 cents. To help, send 5 cents or not as you please. A postal will bring the trees and our catalog containing many colored photo plates of our choice Blizzards Belt Fruits. Write today. The Gardner Nursery Co., Box 22, Osage, Ia.

SEEDS THAT GROW

Best quality Garden, Flower and Farm Seeds, Alfalfa, Clover, Seed Potatoes. We will send free with catalog a pkt. of new lettuce seed "May King" the best head lettuce ever introduced. 12c. GERMAN NURSERIES & SEED HOUSE, CARL SONDEREGGER, Prop., German Nurseries, Box 85, Beatrice, Neb.

CLOVER

New Crop IOWA GROWN Recleaned TESTED and inspected Red Clover at about half last spring's price. Also Mammoth, Alsike and Alfalfa Clover, Timothy, Grass, etc., at low prices. Now is the time to buy. Ask for samples and a copy of our Special Clover Seed Circular. Large illustrated catalogue of farm and garden seeds free if you mention this paper.

IOWA SEED CO., DES MOINES, IOWA

Evergreens

that will grow for you, 15,000. Arborvitae. Specimens for yard or hedge. Specialty of ornamentals for landscape purposes.

Farrar Nurseries, Abilene, Kans.

CALIFORNIA ALFALFA SEED.

Recleaned and guaranteed free from dodger and all weeds. Strictly pure seed. Price 35 cents per pound, delivered free west of the Mississippi river. Address, SMITH-GENTRY CO., Corcoran, Cal.

corn. Col. Brady has long since proved his ability as a salesman of good stock but he seemed equally at home when selling good corn, the stuff of which the good live stock is made.

The state-wide institute is a big thing and it is growing. It has demonstrated its right to exist and to a permanent home at Manhattan. Instead of 600 men and boys in the contests there should be many more next year. Better make up your mind to go. Supt. Miller will get you anyhow.

The various papers which were presented in the different meetings which made up the state-wide institute will appear in the columns of KANSAS FARMER. They are of permanent value and you will want to preserve them.

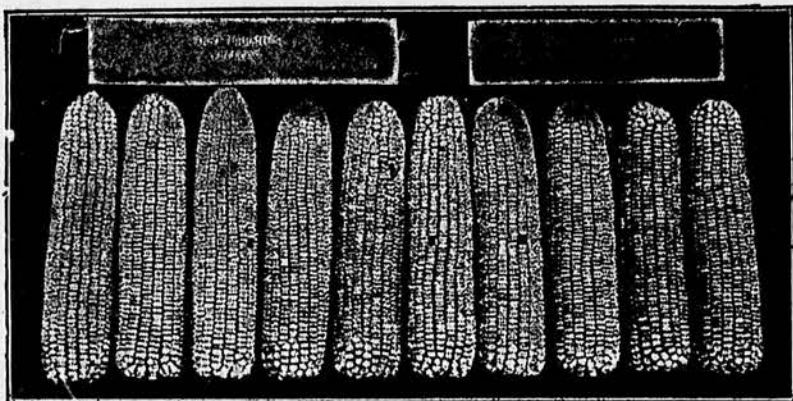
The Manhattan Mercury says: "The state institute is attracting so much

est to every branch of live stock husbandry.

In addition to the set addresses and especially prepared papers for this annual occasion, important business matters will come up for general discussion along the line of needed legislation.

Among the attractions of the regular program the Kansas State Dairy Association officials have secured Prof. G. W. McKay, formerly of the Iowa agricultural college, for an address on the dairy industry; also C. H. Eckles, professor of dairy husbandry of the university of Missouri, for an address.

The Kansas Swine Breeders' Association will provide the talent for one session of especial interest to breeders of hogs, and Dr. J. W. Connaway, veterinarian of the Missouri experiment



Sweepstakes, best 10 ears Reid's Yellow Dent, won by C. C. Sanford, Onelda.

attention that the big newspapers are becoming interested and have arranged for reports of the meetings or have sent special representatives to attend. KANSAS FARMER is represented by I. D. Graham, who used to live here," etc. That's so, he did.

Among the very able men who contributed so conspicuously to the success of the state-wide institute and whose papers and lectures will appear in later issues of KANSAS FARMER are Prof. F. B. Mumford of the university of Missouri, Prof. W. J. Fraser of the university of Illinois, Prof. H. R. Smith of the university of Nebraska and Prof. Wm. Dietrich of the university of Illinois.

Director E. H. Webster has taken hold of his new work with his accustomed vigor and it is believed that a new and vastly greater era of usefulness is in store for the Kansas experiment station.

A register for pure bred corn is one of the objects sought by the Kansas Corn Breeders' Association. It is proposed to so organize as to be able to furnish certified seed corn with the guaranty of the association behind it. In the same manner as is now done by the Percheron Registry Co. for their horses or the American Short-horn Breeders' Association for their cattle.

They do say that Dr. Schoenleber is proud of his new building. If having the biggest, most modern and best equipped veterinary laboratory in the United States constitutes any reason for pride then indeed should the doctor be excused for feeling "chesty." If any such feeling existed it did not prevent the doctor from presenting an able paper on the "Tuberculous Cow" before the dairy section of the state-wide institute.

Daily demonstrations with the milking machine under the direction of Prof. J. C. Kendall proved of unusual interest to many visitors.

The photographs taken in and about the corn show with which this report is illustrated were taken by S. C. Orr of Manhattan. Dr. Orr possesses the ability, so rare among photographers, of being able to photograph a domestic animal so that the picture appears lifelike. He does a large amount of work for the various college departments and arrangements ought to be made whereby he could be placed upon the regular college staff and devote his entire time to the work of the college and experiment station.

Farmers' Week at Topeka.

The twentieth annual meeting of the the Kansas Improved Stock Breeders' Association will be held in the Capitol Building, Topeka, Kans., January 11, 12 and 13, 1909, beginning Monday evening, January 11, at 7.30 o'clock.

The executive committee have arranged for a highly interesting and practical program of pertinent inter-

station, will discuss, "Hog Cholera Vaccinations," and Dr. W. T. King, Olathe, Kan., of Kansas veterinary association, will give "Results of Successful Experiments in Hog Cholera." Prof. John D. Walters, of the Kansas agricultural college, will present a very interesting paper on "Cement Concrete in the Barn and Barnyard," which will be of practical value to every breeder.

C. L. Carter, of Cabool, Mo., president of the South Missouri Live Stock Breeders' Association, has consented to give an address of special interest to exhibitors of live stock.

The cattle interests will have special attention at the hands of ex-President Chas. E. Sutton, of Lawrence, and other noted breeders, including Chas. R. Thomas, president of the American Royal Show, also secretary of the American Hereford Cattle Breeders' Association.

The horse interests will be handled in a general discussion, a symposium of the "Horse Useful and Otherwise," by T. A. Gierens, of the Lincoln Importing Horse Company, of Lincoln, Neb., Senator H. W. Avery, of Clay county, and others.

Another notable topic to be considered at this meeting is, "Rebuilding a Sheep State," by M. V. Carroll, secretary of the Missouri Sheep Breeders' Association, Sedalia, Mo., who will outline the experiences in Missouri in getting the sheep industry started up-grade for the benefit of the state and the farmer.

Close to the adjournment of the stock breeders will follow the thirty-eighth annual meeting of the Kansas State Board of Agriculture with the following as leading features of the program:

WEDNESDAY, JANUARY 13.

Evening Session.—Address of welcome, Gov. W. R. Stubbs; address of welcome on behalf of the city, Mayor Wm. Green; response, President A. L. Sponsler; "Corn Growing Problems," Prof. M. L. Bowman, Iowa state college, Ames.

THURSDAY, JANUARY 14.

Morning Session.—"Tuberculosis Among Cattle in the Herds of the West," Dr. L. R. Baker, Inspector United States bureau of animal industry, Kansas City, Mo.; "Some Problems of Tuberculosis Control," Dr. S. J. Crumrine, secretary State Board of Health, Topeka.

Afternoon Session.—"Farming with Explosives," Samuel J. Crawford, Baxter Springs; "How Can the Farmer Maintain the Fertility of His Soil?" Prof. C. G. Hopkins, university of Illinois, Urbana.

Evening Session.—"The Farmer and the Lawyer," T. L. Bond, Salina; "Artistic House Building and Furnishing," Mrs. Louise C. Murdock, Wichita.

FRIDAY, JANUARY 15.

Morning Session.—"Desirability and Feasibility of Improving Kansas Roads with Petroleum," Prof. Albert Dickens, Kansas agricultural college, Manhattan; "Full Feeding the Dairy Cow," Prof. C. H. Eckles, Missouri state agricultural college, Columbia.

Afternoon Session.—Election of officers and members; "Growth and Uses of Alfalfa," John Powers, Marion; "The Need of Better Protection from Wolves," R. C. Johnston, Lawrence; query box; meeting and installation of new board in the secretary's office.

Evening Session.—"The Farmer as Seen from the Bench," Associate Justice A. W. Benson, Topeka; "The Great Granddaughters of Kansas Pioneers," Mrs. Nellie Kedzie-Jones, Kalamazoo, Mich.

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POULTRY



Poultry Notes.

With the mild and pleasant weather we have been having lately, there is no reason why your hens should not be laying and if you once get them started it is much easier to keep them going than it is to get them to commence. Do all you can, therefore, during this pleasant weather, to get those hens and pullets that are not laying, into a laying condition and when the cold days of winter come you will have no trouble to make them keep up the good work.

The main thing to do to get hens in condition for laying, is to see that they are comfortably housed; that they are not infested with lice; that they are not overcrowded but have plenty of scratching room; and that they have a variety of good nourishing food with plenty of pure water. A tid-bit now and then, in the way of fresh ground bone or meat, or a cabbage hung where they can pick at it, and all the table scraps you have, will increase the egg production out of all proportion to the cost of the same. Hens will pay you back many times over for all the extra care and attention you give them.

One main reason that hens are not more profitable is because the flock is not culled close enough. There are so many drones in the flock that they absorb all the profit that the workers make to keep them alive. A flock should be bereft of all old fowls, that is, fowls over four years old, for they certainly are unprofitable to keep; they will not lay enough eggs to pay for their feed. When fowls are not marked with a punch or have bands on their feet, it is sometimes difficult to tell the old ones from the younger ones, but an old hen has generally got long spurs and the scales on her legs are very rough, whereas a young hen has only the rudiments of spurs and the legs are clean and bright. There ought not to be much difficulty in determining which are the profitable and which the unprofitable hens. Let all the latter go to the butcher's as early as possible.

A correspondent wants a remedy for an aggravated case of scaly legs, saying that the usual remedy of coal oil and lard failed to clean the legs. Maybe the inquirer did not apply the remedy long enough. It will take several applications to remove the scales from some fowls' legs. It should be applied two or three times a week for a month. If you want the legs cleaned in a hurry, a good plan is to anoint them thoroughly with sweet oil in which a few drops of carbolic acid has been mixed, then wrap the legs tightly with a cotton or woolen bandage. After the bandage has been on a few days take it off and grease the legs again, or if preferred you can leave the bandage on but soak thoroughly with oil and acid. If carbolated vaseline is handy it will take the place of the sweet oil and carbolic acid as one might if not careful put too much acid in the oil and hurt the fowl's legs.

A writer asks if oats are good feed for chickens. They are excellent for laying hens but owing to the husks are not relished as well as some other grains and they are rather bulky for the crop, but if they are soaked over night in water they make a much better feed. If ground they make an excellent addition to the mash food. Rolled oats and pin head oatmeal is one of the very best feeds for young chicks.

Dry Mash.

In the December number of KANSAS FARMER there is an item under poultry notes as follows: "Bran, alfalfa meal, cornmeal, etc., fed in a dry mash." What do you understand from dry mash? Do you just stir up the different ingredients dry or should they be cooked first?

Ans.—By "dry mash" is meant that the ingredients are fed just as purchased in their dry state, without any moistening with water or milk. In

the instance referred to the dry mash is fed in hoppers, and if moistened would not run through the hoppers but would clog them up. Dry feeding has been followed very extensively the last few years by eastern fanciers with unvarying success. The writer has been very successful in feeding dry food to young chicks, never giving them any moist food from birth to maturity. When feeding dry foods, however, it is very essential that the chicks and fowls should always be supplied with plenty of pure water. To accelerate egg production we like a warm, moist mash occasionally, especially on cold winter mornings. This we make of alfalfa leaves, corn shop and meat meal, pouring boiling hot water on same and then stirring up to a crumbly mash. We add a little salt to make it more palatable.

Graded Fowls.

As graded cattle are superior to ordinary cattle, so are graded fowls to scrub hens, and while we prefer pure bred stock of all kinds to graded stock, still the latter is a step in the right direction, and better of course than scrubs.

All farmers cannot be poultry fanciers or keep pure bred fowls, but all can improve what poultry they have by purchasing a few pure bred males to cross on the fowls they now have. Poultry shows, all over the country are now in full blast, and farmers should attend the same and buy something to improve their flock of fowls. If their hens are deficient in size, the purchase of a few pure bred males of the larger varieties of fowls, will in one season increase the weight of the progeny several hundred pounds, paying for the males several times over in flesh alone. If the hens are of good size, but owing to constant inbreeding have run down in egg laying qualities, then purchase some males of the egg laying varieties of fowls, the everlasting layers, non setting breeds; and the egg laying propensities of your flock will be increased a hundred fold in less than a year. Poultry fanciers will be glad to sell to farmers, pure bred males devoid of fancy points, for a very small price, compared to high scoring fowls and the latter the farmer does not need for the purpose mentioned above.

Notable Poultry Book.

One of the most complete and thoroughly practical works of its kind that has come to our attention is a handbook of convenient size, entitled "Greider's Book on Poultry," issued each year by B. H. Greider, a recognized authority on this subject. The edition for 1909 illustrates 60 of the leading strains of chickens, turkeys, ducks, geese and pigeons, and gives information as to their qualities, characteristics, etc., that could scarcely be had from other sources. Various chapters of the book are devoted to breeding, building houses and equipment, care and prevention of disease, egg production, etc., respectively, so that no important points are left untouched. One of the special features of the 1909 edition is 15 chromos, illustrating as many breeds in the attractive colors of their plumage. Some space is also devoted to Greider's germicide, a preparation originated by Mr. Greider and said to be effective in ridding fowls of lice, mites and disease. This book, which is bound to please every poultry enthusiast, will be mailed for 10 cents, in coin or stamps, by the author, B. H. Greider, Rheims, Pa.

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LOOK!—S. C. B. L. cockerels, cocks and hens for sale, great layers. Write for prices. Frederick P. Johnson, St. Marys, Kan.

200 S. C. B. LEGHORN COCKERELS. Fine, vigorous birds, improved size. Our motto: Fine birds, low prices. \$1 each, \$5 per half dozen, \$10 per dozen. L. H. HASTINGS, Quincy, Kan.

S. C. W. LEGHORNS—I have a limited number of choice full blooded S. C. White Leghorn and S. C. R. I. Red cockerels; also pure bred Indian Runner ducks for sale. For further information, address, D. Williams, Vermillion, Kan.

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CHOICE full blooded R. C. R. I. R. cockerels for sale. Mrs. A. L. Scott, Route 1, Larned, Kan.

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Is it Advisable to Break Hay Land in Winter?

Is it be advisable to break hay land in winter? Some farmers advise to break in May. Would not a person be apt to get it in a better condition if it could be plowed now? The farmer intend to sow to alfalfa. Should it be sowed early in the fall?

WM. KRUSE.

Neb.
The piece of land referred to is not broken. It would probably be advisable to plow the land in the winter rather than to wait until spring, especially if the land is to be sown to alfalfa in the spring. If the land is infested with weeds to any extent, I would not advise spring seeding of alfalfa. It would be better to break the land in the spring, put it into a crop of corn or cow peas, and after taking a crop of millet or cow peas off the land for hay, prepare the land by disking and harrowing and seed the alfalfa in the fall, some time during the latter part of August or first of September.

However, if your land is free from weeds it will be possible to get a good stand of alfalfa by sowing it in the spring. If you plow the land in the spring it will be necessary to give the land considerable cultivation by disking and harrowing in order to prepare a good firm seed bed suitable for the alfalfa.

For further information regarding alfalfa I have mailed you bulletin 155.
C. S. KNIGHT,
Assistant in Agronomy, K. S. A. C.

Some Facts About Mad Dogs.

There are a great many prevailing ideas relative to mad dogs that are erroneous.

In the first place, rabies is not the extremely rare disease that it is generally supposed to be. Facts gathered by the Bureau of Animal Industry show that it exists and has existed for years at the national capital and throughout the United States. Official reports show its existence, but by no means its frequency.

Rabies is much like other diseases in that it does not always manifest itself by the same chain of symptoms. For example: a dog suffering with this disease is by no means always mad and furious. Flemming has well said that it is a great and dangerous error to suppose that the disease commences with signs of madness and that the earliest phase of the malady is ushered in with fury and destruction. The symptoms appear very gradually, and at first one would hardly suspect brain disease. Difficulty in swallowing is an early symptom, and frequently leads the owner to suppose that the dog has a bone in its throat. Dr. Salmon says: "A dog which appears to have a bone in its throat, is, on general principles, one of the most dangerous animals in existence. The supposed bone may be there, but on the other hand the symptoms which lead to this supposition may be due to partial paralysis, caused by rabies, and the owner may be inoculated with the virulent saliva while thrusting his fingers or hand into the dog's mouth to discover a bone which has no existence but in his imagination."

It is commonly believed that animals suffering with this disease do not drink water (hydrophobia, dread of water), which is a mistake. They have no fear or dread of water, but continue to drink as long as they live, and the fact that a suspected dog is seen to drink or wade in water is no proof that he is not mad.

The dumb form of rabies is very common, and many know it as drop jaw, who have no idea of its true nature, and yet, should one of these dogs bite a person, or some of the saliva get into a wound on the hand, or elsewhere, it could produce the disease and death with all its horror.

There is an erroneous and rather stupid belief that if a dog bites a person and afterwards contracts the disease that the person bitten will also go mad; but there is no ground for it whatever, and in this connection I would most earnestly suggest that when a person is bitten by a dog that it is bad policy to have the dog killed. Confine him, and if he has rabies, he will die in a few days; but if he does

not die, the person may know that he or she is safe. If, on the other hand, he does die, no time should be lost in consulting a physician, if indeed one has not already been consulted, who will advise no delay in reaching a Pasteur Institute, and attend to the direct treatment of the wound. Inasmuch as the death of the dog is no proof that it was caused by rabies, it is always well, in fact, imperative, to place the cadaver on ice and ship it to your experiment station for examination and a diagnosis.

There is a prevailing idea that has been handed down to us from our forefathers, that dogs only go mad during dog days—July and August—but the facts show that just as many dogs go mad at one time of the year as another. If anything, more dogs go mad in winter than in summer.

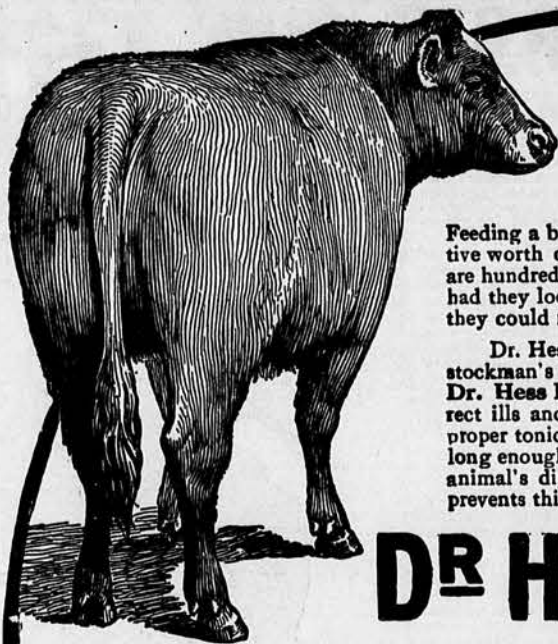
FREDERICK W. CULVER, M. D. C.,
Colorado Agricultural College, Fort Collins.

The nineteenth annual convention of the Missouri State Dairy Association, January 7 and 8 at Columbia, bids fair to be one of the largest ever held in the state. Nearly twenty speakers on dairy subjects will inform and entertain all who attend. This is almost equal to a ten weeks' course—"boiled down" and concentrated into two days.

The biggest Holstein bossy in Missouri will be on exhibition at Columbia at this time. Her name is Missouri Chief Josephine and she has an official record of producing 47 quarts of milk in one day and 15,000 pounds of milk in one year. A picture of this cow may be obtained by writing the secretary of the association.

The world's record Jersey cow, Pedro's Estella, will be pleased to welcome all visitors during Farmers' Week. She is very modest and unassuming before public gatherings, but is not at all backward at the milk pail and churn. Owing to her extreme modesty, an attendant will assist her in presenting her strong points.

"The one thing supremely worth the having is the opportunity, coupled with the capacity, of doing a thing well and worthily, the doing of which is for the welfare of mankind." This is a saying of President Roosevelt's, which any citizen of the United States will find a good motto for every day in the year.



Get the Good Of Your Feed

Feeding a beef animal is one thing—getting the whole nutritive worth of your grain and hay is another. Many feeders are hundreds of dollars poorer to-day than they would have been had they looked to it that their stall-fed steers got only what ration they could most fully digest and completely assimilate.

Dr. Hess (M. D., D. V. S.) is a practical stockman. Increasing the stockman's profit by increasing digestion has become known as "The Dr. Hess Idea." Dr. Hess believes that nature can be assisted to correct ills and to work out best results in every instance, by the use of a proper tonic. Every man of experience knows that heavy feeding, continued long enough to "fit" a steer, often defeats its own purpose by upsetting the animal's digestion. "The Dr. Hess Idea" worked out in daily practice prevents this and relieves all the minor stock ailments.

DR. HESS STOCK FOOD

given in small regular doses in the grain rations, twice a day, strengthens animal digestion, so that the largest proportion possible of food is taken into the blood and sent to maintain and upbuild bodily tissues. It contains not only bitter tonic principles for the digestion, but also iron for the blood, and nitrates necessary to cleanse the system. It makes a milch cow increase milk production, a fattening steer or hog fit rapidly and economically, and puts a horse in the pink of condition.

Dr. Hess Stock Food by improving the appetite increases the consumption of roughage and by increasing digestion lessens the amount of nutrition wasted in the manure. Sold on a written guarantee.

The dose of Dr. Hess Stock Food is small and fed but twice a day.

100 lbs. \$5.00
25 lbs. \$1.60

Except in Canada and extreme West and South.
Smaller quantities at a slight advance.

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Ashland, Ohio.

Also Manufacturers of Dr. Hess Poultry Pan-a-ce-a and Instant Louse Killer.

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 free any time. Send 2c stamp and mention this paper.

DR. HESS POULTRY PAN-A-CE-A

Poultry keeping is good business if you know the secret. You can't confine a hen, feed her heavily and get your money back, unless you keep her digestive apparatus in good running order. The one way to do that is to give regular small portions of Dr. Hess Poultry Pan-a-ce-a once a day in soft feed. Dr. Hess Poultry Pan-a-ce-a is a guaranteed egg producer. It is a tonic—not a ration. It contains elements which aid digestion, make good blood, and free the system of poisonous dead matter. It is "The Dr. Hess Idea" that poultry can be kept healthy, active and prolific, even under the unnatural conditions resulting from confinement, and his Poultry Pan-a-ce-a proves his theory true. Poultry Pan-a-ce-a is endorsed by poultry associations and is sold on a written guarantee. A penny's worth feeds thirty hens one day.

1 lb. \$5.00, 25 lbs. \$1.60, 50 lbs. \$3.20, 100 lbs. \$6.40, 250 lbs. \$16.00, 500 lbs. \$32.00. Except in Canada and extreme West and South. Send 2c for Dr. Hess 48 page poultry book, free.

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1 late hatched Single Comb Rhode Island Red cockerel, \$1.00.

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S. C. Brown Leghorn hens at a \$1 each, or \$10.00 per dozen.

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R. 3, Emporia, Kans.

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SCOTCH COLLIE PUPPIES—Natural born cattle drivers. Pedigreed stock. W. Hardman, Frankfort, Kan.

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SCOTCH COLLIES—Pups and young dogs from the best blood in Scotland and America now for sale. All of my brood bitches and stud dogs are registered, well trained and natural workers. Emporia Kennels, Emporia, Kan. W. H. Richard.

COLLIE pups and bred bitches for sale. W. B. Richards, Stella, Neb.

SCOTCH COLLIES.

Fifty-seven Collie puppies just old enough to ship. Place your orders early, so you can get one of the choice ones. WALNUT GROVE FARM, Emporia, Kan.

SCOTCH COLLIES of the best breeding, have the intelligence of a human. For particulars address, DEER LAKE PARK, SEVERY, KAN.

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If you want a good Incubator in a hurry write to the undersigned. He keeps the Old Trusty Incubator (hot water) and the Compound (hot air), two of the best Incubators made. Also the Zero Brooder, no better made. It pays to buy a good brooder. No use hatching chicks without a good brooder to raise them. The Zero will raise every chick you put in it.

THOMAS OWEN, Sta. B, Topeka, Kans.

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Stahl "Wood-on-Hen" and "Kaiser" Incubators assure big hatches. Well-built, reliable, practical—thousands in use. Catalogue free. GEO. H. STAHL, Box 480 Quincy, Ill.

MAKE YOUR HENS LAY MORE EGGS at a cost of only 3c per 50 hens and that while other hens are laying. Write; enclose stamp for a trial—it will convince you.

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Greider's Book On Poultry

Concise, practical. How to make money with poultry; information as to buildings, treatment of diseases, etc. Fifteen attractive chromos; sixty prominent varieties, 10c postpaid. Fine, pure-bred stock and eggs at low prices. GREIDER'S GERMICIDE—a sure preventive and an excellent disinfectant. B. H. GREIDER, Rheims, Pa.

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is our new book for the use of poultry raisers. Keep account of your eggs, chicks and profits. Our Diary shows how and also tells about our new Incubators. It tells why our prices are so low. The Diary is free. Better write for it today. Tell us if you are thinking of buying an incubator and what size you want. We pay freight. Geo. Ertel Co., Quincy, Ill.

RICH MEN'S CHILDREN

By Geraldine Bonner

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(Continued from last week.)

"I can't remember the name," Berny answered with skillfully-assumed indifference; "somewhere down toward Santa Cruz and Monterey, some new place. And he may not stay there. If he doesn't like it, he'll just move round from place to place."

"Why didn't you go, too?" said Pearl. This was the second question Berny had dreaded. Now suddenly she felt her throat contract and her lips quiver. Her usually iron nerve had been shaken by her passion of the night before and the shock of the morning. The unwonted sensations of gloom and apprehension closed in on her again, and this time made her feel weak and tearful.

"I didn't want to. I hate moving around," she said, pushing her chair back from the table. Her voice was a little hoarse, and suddenly feeling the sting of tears under her eyelids she raised her hands to her hat and began to fumble with her veil. "Why should I leave my comfortable flat to go trailing round in a lot of half-built hotels? That sort of thing doesn't appeal to me at all. I like my own cook, and my own bed, and my own bath tub. I am more of an old maid than Hannah. Well, so long, people. I must be traveling."

She laid her napkin on the table and jumped up with an assumption of brisk liveliness. She paid no attention to the expostulations of her relatives, but going to the glass arranged her hat and put on her gloves. When she turned back to the table she had regained possession of herself. Her veil was down and through it her cheeks looked unusually flushed, and her dark eyes, with their slanting outer corners, brighter and harder than ever. She hurried through her good-bys on the plea that she had shopping to do, and almost ran out of the house, leaving a trail of perfume and high, artificial laughter behind her.

For the next week she waited for news from Dominick and none came. It was a trying seven days. Added to her harassment of mind, the loneliness of the flat was almost unendurable. There was no one to speak to, no one to share her anxieties. Her position was unusually friendless. When her marriage had lifted her from the ranks of working women she had shown so cold a face to her old companions that they had dropped away from her, realizing that she wished to cut all ties with the world of their humble beginnings. New friends had been hard to make. The wives of some of the bank officials, and odd, aspiring applicants for such honors as would accrue from even this remote connection with the August name of Ryan, were all she had found wherewith to make a circle and a visiting list.

But she was intimate with none of them and was now too worried to seek the society of mere acquaintances. She ate her solitary meals in oppressive silence, feeling the Chinaman's eyes fixed upon her in ironic disbelief of the story she had told him to account for Dominick's absence. Eat as slowly as she would, her dinner could not be made to occupy more than twenty minutes, and after that there was the long evening, the interminable evening, to be passed. She was a great reader of newspapers, and when she returned from her afternoon shopping she brought a bundle of evening papers home in her hand. She would read these slowly, at first the important items, then go over them for matters of less moment, and finally scan the advertisements. But even with this occupation the evenings were of a vast, oppressive emptiness, and her worries crowded in upon her, when, the papers lying round her feet in a sea of billowing, half-folded sheets, she sat motionless, the stillness of the empty flat and the deserted street lying round her like an expression of her own blank depression.

At the end of the week she felt that she must find out something, and went to the bank. It was her intention to cash a small check and over this transaction see if the paying teller would vouchsafe any information about Dominick. She pushed the check through the opening and, as the man counted out the money, said glibly, "Do you hear anything of my wandering husband?"

The teller pushed the little pile of silver and gold through the window toward her and leaning forward, said, with the air of one who intends to have a leisurely moment of talk, "No, we haven't. Isn't it our place to come to you for that? We were wondering where he'd gone at such a season."

Berny's delicately-gloved fingers made sudden haste to gather up the coins. "Oh, he's just loafing about," she said easily as was consistent with the disappointment and alarm that gripped her. "He's just wandering round from place to place. He was getting insomnia and wanted a change of scene."

She snapped the clasp of her purse before the man could ask her further questions, nodded her good-bys, and turned from the window. Her face changed as she emerged on the wide, stone steps thither to the street. It was pinched and pale, two lines drawn between the eyebrows. She descended the steps slowly, the flood of magnificent sunshine having no warming influence upon the chill that had seized upon her. Many of the passing throng of men looked at her—a pretty woman in her modishly-made dress of tan-colored cloth and her close-fitting brown turban with a bunch of white paradise feathers at one side. Under her dotted veil her carefully made-up complexion looked naturally clear and rosy, and her eyes, accentuated by a dark line beneath them, were in attractive contrast to her reddened hair. But she was not thinking of herself or the admiration she evoked, a subject which was generally of overpowering interest. Matters of more poignant moment had crowded all else from her mind.

The next week began and advanced and still no news from Dominick. He had been gone fourteen days, when one evening in her perusal of the paper she saw his name. Her trembling hands pressed the sheet down on the table, and her eyes devoured the printed lines. It was one of the many short despatches that had come from the foot-hill mining towns on the recent storms in the Sierra. It was headed Rocky Bar and contained a description of the situation at Antelope and his daughter were among the prisoners in Perley's Hotel. A mention was made, only a line or two, of Dominick's walk from Rocky Bar, but it was treated lightly and gave no idea of the real seriousness of that almost fatal excursion.

Berny read the two short paragraphs many times, and her spirits went up like the needle of a thermometer when the quicksilver is grasped in a warm hand. Her relief was intense, easeful and relaxing, as the sudden cessation of a pain. Not only

was Dominick at last found, but he was found in a place as far removed from his own family and its influences as he was from her. And best of all he was shut up, incarcerated, with Bill Cannon, the Bonanza King. What might not come of it? Berny was not glad of the quarrel, but it seemed a wonderful piece of luck that that unpleasant episode should have sent him into the very arms of the man that she had always wanted him to cultivate and who was the best person in the world for him to impress favorably. If Bill Cannon, who had been a friend of his father's took a fancy to Dominick, there was no knowing what might happen. In a sudden reaction of relief and hope Berny saw them almost adopted children of the Bonanza King, flouting the Ryans in the pride of their new-found honors.

It made her feel lenient to Dominick, whose indifference and neglect had put her to the torments of the last fortnight. After all, he could not have let her know his whereabouts. The wires were only just up, and the rural mail-carrier had not yet been able to effect an entrance into the snow-bound town. Why Dominick had chosen to go in this direction and had attempted an impossible walk in a heavy snowstorm Berny did not know, nor just now care much. A sensation as near remorse and tenderness as she could feel possessed her. Under its softening influence—spurred to generosity and magnanimity by the lifting of the weight of anxiety—she decided that she would write him a letter which would smooth out the difficulties between them and bring him home ready to forgive and be once more his old self, kind, quiet, and indulgent, as he had been in the first year of their marriage.

Then and there, without further waiting, she wrote the letter. It ran as follows:

"My Dear Husband: I have only just seen in the paper where you are, and oh, the relief! For two weeks now I have been half crazy, wondering about you, waiting to hear from you. And nothing ever came. Dominick, dear, if you had seen me sitting here alone in the den every evening, thinking and waiting, looking at the clock and listening all the time, even when I was trying to read—listening for your footsteps which never came—you would have felt very sorry for me; even you, who were so angry that you left me without a word. It's just been hell this last two weeks. You may not think by the way I acted that I would have cared, but I did, I do. If I didn't love you would I mind how your people treated me? That's what makes it so hard, because I love you and want you to be happy with me, and it's dreadful for me to see them always getting in between us, till sometimes lately I have felt they were going to separate us altogether."

"Oh, my dear husband, don't let that happen! Don't let them drive me away from you! If I have been bad humored and unreasonable, I have had to bear a lot. I am sorry for the past. I am sorry for what I said to you that night, and for turning on the gas and scratching the bed. I am ready to acknowledge that I was wrong, and was mean and hateful. And now you ought to be ready to forgive me and forget it all. Come back to me. Please come back. Don't be angry with me. I am your wife. You chose me of your own free will. That I loved you so that I forgot honor and public opinion and had no will but yours, you know better than any one else in the world. It isn't every man, Dominick, that gets that kind of love. I gave it then and I've never stopped giving it, though I've often been so put upon and enraged that I've said things I didn't mean and done things I've been ready to kill myself for. Here I am now, waiting for you, longing for you. Come back to me. Your loving wife, BERNY."

She read the letter over several times and it pleased her greatly. So anxious was she to have it go as soon as possible that, though it was past ten, she took it out herself and posted it in the letter box at the corner.

(To be continued.)



A Group of Popular Stylish Sleeve Models.

No. 8368. Ladies' sleeves. A waist with old style sleeves may soon be made up-to-date and fashionable by changing the sleeve. No. 1 shows a pretty mousquetaire style, which is suitable for silk, satin or cloth. No. 2 portrays a plain model appropriate for waists, and that may also be used as a lining for draped sleeves. No. 3 depicts the ever popular shirtwaist sleeve in new form, with straight cuff and sleeve lap. The pattern is cut in three sizes, small for 32 and 34 inches bust measure. Medium for 36 and 38 inches bust measure, and large for 40 and 42 inches bust measure. No. 1 will require two yards of 27-inch material. No. 2 will require 1 1/4 yards of 27-inch material, and No. 3 will require 1 1/2 yards of 24-inch wide, for one pair of sleeves. A pattern of this illustration, consisting of three styles of sleeves, will be mailed to any address on receipt of 10 cents in silver or stamps.

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There are splendid opportunities along this new line in the Dakotas, Montana, Idaho and Washington for the farmer, fruit grower, stockman, dairyman, poultry raiser, business man and professional man. Descriptive books free.

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The Game Laws.

FOR KANSAS FARMER:—For over two years my husband and myself have been buying from houses that are now advertised in KANSAS FARMER. One especially, the Union Metallic Cartridge Co., 315 Broadway, New York, and the Remington Arms Co., and the Remingtons are known as the best by who use a gun. Their new gun is a long way in advance of what we know of. As I speak on guns I will state a few facts on game that is being turned loose for the farmer to shoot. Last week the fish car was at Roswell, N. M., that gave to a private club what was asked for, but to the public who pay for the fish, nothing. The public fishing waters where a farmer can take his family fishing are not once thought of. City sportsmen are too covetous; they grow all, and with the game birds like pheasants want the farmer not only to feed them and pay taxes to protect them, they are going so far that they are before some state legislatures that go so far as to disarm the poor farmer and laborer so that it will give more sport to the non-producer. Farmers make their own game laws, put up signs "No Trespassing" and demand five dollars a day on each gun. Get after your state representative that wanted your vote and let him know that the farmer must be permitted to carry his gun and kill what he knows to be his enemies. Let the man whom you elected to make laws, know that his job is not safe unless he listens to the farmer on these new game laws. We are not going to let sportsmen scare our stock and break our fences hunting birds that we raise and feed.

Mrs. B. R. BUFFHAM.

Well, N. M.

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—Address—

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WHAT A BLESSING TO ALWAYS HAVE MONEY IN ABUNDANCE.

Hundreds Getting Rich the "New Way."

You can, it's easy. One man actually made \$1281.00 IN ONE MONTH, \$51.50 IN 15 MINUTES, \$800.00 IN 8 DAYS. Not a fairy tale, fake or humbug, but absolutely true—sworn statement. New, wonderful discovery. Causing great enthusiasm. Readers, listen, see, read how this invention has made, is making thousands of dollars for others:

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INTEREST YOU? "SOLD \$2212.00 IN 2 WEEKS. Not one dissatisfied user," writes Korstad & Mercer, Minn. "My sales \$1680.00 IN 73 DAYS," writes C. D. Rasp, Wis. "Canvassed 60 PEOPLE—GOT 55 ORDERS. Sold \$320.00 in 16 days," writes W. H. Reese, Pa. "Enclosed order for \$115.00 FIRST DAY'S WORK. Best thing I ever worked," writes L. H. Langley, N. D. "Everybody thinks apparatus finest thing. Sold 15 one afternoon," writes Miss Eva Edwards, Nev., after ordering 73. "I averaged \$164.25 WEEKLY for three months, undoubtedly best line on market," writes J. W. Beem, Kas. "Finest seller I ever saw. catches the eye. Don't want anything better. SELL 3 OUT OF 10 HOUSES," writes Wm. Maroney, Okla. "A man that can't sell your outfit couldn't sell bread in a famine, send 48 more," writes J. B. Cashman, Minn. "I make \$100.00 DAILY," writes J. Sevegne, N. Y.

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too large and no seed so small that the Empire will fail to sow it right. Empire Drills are made in many different styles and sizes—plain and fertilizer. So no difference what your seeding conditions may be, or where you live, you can get an Empire that will do your work in the best possible manner. Write the manufacturers today and ask for an Empire catalogue. Then go to your implement dealer and insist on seeing an Empire drill, which is guaranteed to you in such a way as to protect your interests.

Hide and Fur Market.

[Quotations furnished by Jas. C. Smith & Co., Topeka, St. Joseph, Wichita, Grand Island, Neb. Quotations are consignment prices corrected each week.]

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Green salt cured, short hair, No. 1, 10% c.; No. 2, 9% c.; green salt cured, side brands, over 40 pounds, No. 1, 8% c. flat; green salt cured, bulls and stags, No. 1, 8% c.; No. 2, 7% c.; green salt cured, glue, No. 1, 6% c.; green salt cured, side brands, under 40 pounds, No. 1, 6% c.; green salt cured, deacons, No. 1, 50c; No. 2, 25c; slunks, No. 1, 20c; No. 2, 15c; green uncured hides, 1c less than same grade, cured. Green half cured, 1/2c less than cured. Green salt sheep pelts, No. 1, 25c; No. 2, 15c; No. 1 horse, No. 1, \$2.50; No. 2, \$1.50; ponies and No. 3, \$75c; dry horse, half price of green; dry flint, butchers' heavy, 13c; dry flint, fallen, heavy, 12c; dry flint, light under 16 pounds, 10c; dry flint, culls, 8c; dry salt, heavy, 10c; dry salt, light, 8c; dry sheep pelts, 7@10c; No. 1 tallow, 5c; No. 2 tallow, 4c; beeswax, No. 1, 25c.

Prices, Wichita and Grand Island, 1/4c less.

FURS.

Mink—Prime, large and dark, \$4@5; No. 1 large, \$3.25; No. 1 medium, \$2.25; No. 1 small, \$1.50; No. 2 medium and small, \$1.00; No. 3, 50c; No. 4, 25c.

Raccoon—Black and extra dark, \$1.50@3; No. 1 large, \$1; No. 1 medium, 60c; No. 1 small, 30c; No. 2 large, 40c; No. 2 medium, 25c; No. 3, 15c; No. 4, 10c.

Muskrat—No. 1 large, 25c; No. 1 medium, 15c; No. 1 small, 10c; kits, 5c.

Fox—No. 1 large, grey, 75c; red, \$2.50; No. 1 medium, grey, 50c; red, \$1.25; No. 1 small, grey, 25c; red, 75c; No. 2 large, grey, 25c; red, 15c; No. 3, 25c.

Otter—According to size and color, \$1@1.50.

Wildcat—No. 1, \$1; No. 2, 50c; No. 3, 25c.

Housecat—No. 1, 15c; No. 2, 10c; No. 3, 5c.

Civet cat—No. 1 large, 40c; No. 2 medium, 30c; No. 1 small, 15c; No. 2 large, 20c; No. 2 medium and small, 10c; No. 3, 5c.

Opossum—No. 1 large, 25c; No. 1 medium, 12c; No. 1 small, 5c; No. 2, 2c; (trash, no value).

Badger—No. 1 large, 85c; No. 1 medium, 55c; No. 1 small, 25c; No. 2 large, 10c.

Skunk—Black prime, 90c@1.25; short, 60c@90c; narrow, 50c@70c; broad, 10c@30c.

Lynx—Owing to size, \$3@8.

Beaver—Owing to size, fur, etc., \$1@7.

Bear—Fine and full fur, \$4@8.

Wolf—Timber, \$1@2; prairie, 25c@1.

Quotations are for Kansas and similar furs.

ESTABLISHED 1865

Hides and Furs

CAPITAL CITY HOUSE

ABSOLUTELY THE BEST
GIVE US A TEST

You cannot afford to ship to anyone but us. WHY? BECAUSE WE WILL MAKE YOUR SHIPMENTS NET YOU MORE THAN ANYONE. You will find our quotations in this paper. We give liberal selections, honest weights, and make returns for stock day it is received.

JAMES C. SMITH & CO.,

TOPEKA, KAN. ST. JOSEPH, MO.
WICHITA, KAN. GRAND ISLAND, NEB.

WE BUY HIDES AND FURS

If you want a square deal and quick returns on your shipments send your hides and furs to us. It doesn't matter whether you have one hide or a carload. We have the largest hide and fur business in the Southwest, and we pay the TOP PRICES, Established 1889. Write for classified price list, and free shipping tags. Special prices on large lots or carloads. Special proposition to fur shippers.

TOP PRICES

BIGGS & KOCH
1529 St. Louis Ave.
Kansas City, Mo.

LET US TAN YOUR HIDE,

Whether Cow, Steer, Bull, or Horse Hide, Cat, Dog, Deer, or any kind of hide or skin, soft, light, odorless and moth-proof for robe, rug, coat or gloves, and make them up when so ordered.

But first get our illustrated catalog, with prices, shipping tags and instructions. We are the largest custom fur tanners of large wild and domestic animal skins in the world.

Distance makes no difference whatever. Ship three or more cow or horse hides together from anywhere, and Crosby pays the freight both ways. We sell fur coats and gloves, do taxidermy and head mounting.

**The Crosby Fur Company,
Rochester, N. Y.**

HIDES

For many years consignments have been the special feature of our business. We understand what the shipper wants, send him the very best results, quick returns, top prices. Shipments invited. Full classified price list mailed regularly free on request. Established 1870.

M. LYON & CO., FURS

238 Delaware St.,
KANSAS CITY, MO.

FURS

Ship Raw Furs and Hides to us. We pay higher prices than others because we are manufacturing furriers. Write for price list that shows how much more we pay. **M. L. Glickman & Co.,** Dept. R, 106 W. Second St., Des Moines, Ia.

Furs Wanted

It will be to your interest to have my price list and shipping tags. I do not issue a sliding scale of prices. One price on each grade and don't forget, I pay that price.

BARNARD'S FUR HOUSE
IOLA, KANS.

EIGHTH ANNUAL KANSAS MID-WINTER EXPOSITION

AN INDUSTRIAL AND PURE FOOD SHOW

Auditorium Bldg., Topeka, Kan., January 18 to 30, '09

Marshall's Military Band, Grand Pipe Organ Concerts, Three Orchestras, Vaudeville Entertainments, Daily

W. H. DAVIS, President **GEO. W. BAINTER, General Manager**

FIELD NOTES

FIELD MEN.

O. W. Devine.....Topeka, Kan.
 Jesse R. Johnson.....Clay Center, Kan.
 J. W. Johnson.....Beloit, Kan.
 L. E. Lewis.....Topeka, Kan.

PURE BRED STOCK SALES.

Shorthorns.

Feb. 16.....J. W. Knowles & Son, Craig, Neb.
 Feb. 17.....J. F. Stodder, Wichita, Kan.
 Feb. 19.....J. W. Lamb, Holton, Kan.
 Feb. 23.....C. M. Garver, Abilene, Kan.
 Mar. 11.....Jas. T. McCulloch, Mgr., Clay Center, Kan.
 June 10.....C. S. Nevius, Chiles, Kan.

Herefords.

Mar. 3.....Dispersion sale of Cornish & Patton, Hereford, at Osborn, Mo., to settle Patton's estate.

April 27.....Samuel Drybread, Elk City, Kan.

Poland Chinas.

Jan. 19.....A. W. Shriver, Cleveland, Kan.
 Jan. 21.....J. H. Harshaw, Butler, Mo., at Sedalia, Mo.

Jan. 21.....G. M. Hull, Burchard, Neb.
 Jan. 25.....F. A. Dawley, Waldo, Kan.
 Jan. 27.....A. E. Garrison, Summerfield, Kan.

Jan. 27.....Homer L. McKelvie, Fairfield, Neb.
 Feb. 2.....F. A. Dawley, Waldo, Kan.
 Feb. 4.....W. W. Martin, Anthony, Kan.

Feb. 10.....W. W. Wheeler, Harlan, Iowa
 Feb. 10.....Albert Smith & Son, Superior, Neb.
 Feb. 10.....Lemon Ford, Minneapolis, Kan.

Feb. 11.....C. S. Nevius, Chiles, Kan.
 Feb. 12.....Geo. Wedd & Son and C. S. Nevius at Spring Hill, Kan.

Feb. 12.....D. A. Wolfersperger, Lindsey, Kan.
 Feb. 13.....Thos. F. Walker, Alexandria, Neb., at Fairbury, Neb.

Feb. 17.....John Book, Talmage, Kan.
 Feb. 19.....J. C. Larrimer, Wichita, Kan.
 Feb. 18.....J. E. Bower, Talmage, Kan.

Feb. 18.....J. W. Lamb, Holton, Kan.
 Feb. 20.....H. L. Faulkner, Jamesport, Mo.
 Feb. 25.....H. L. Harshaw, Butler, Mo.

Feb. 25.....W. A. Frewett, Asherville, Kan.
 Feb. 28.....C. H. Pilcher, Glasco, Kan.
 April 10.....H. N. Stacy, Iuka, Kan.

Duroc Jerseys.

Jan. 26.....Bred sow sale, Cappins & Worley, Potwin, Kan.

Jan. 27.....J. C. Logan, Onaga, Kan., at Havensville, Kan.

Jan. 28.....Samuelson Bros., Manhattan, Kan.
 Feb. 1.....W. T. Fitch, Minneapolis, Kan.

Feb. 2.....Pearl H. Pagett, Beloit, Kan.
 Feb. 18.....G. W. Colwell, Summerfield, Kan.
 Feb. 4.....J. E. Joines, Clyde, Kan.

Feb. 6.....G. M. Hammond and K. S. A. C., Manhattan, Kan.

Feb. 9.....Thompson Bros., Garrison, Kan.
 Feb. 9.....H. Metzinger, Caldwell, Kan.
 Feb. 10.....T. E. Goethe, Leonardville, Kan.

Feb. 1.....J. P. Stodder and Marshall Bros., Burden, Kan.

Feb. 15.....J. A. Rathbun, Downs, Kan.
 Feb. 16.....G. W. Colwell, Summerfield, Kan.
 Feb. 17.....R. G. Sollenburger, Woodston, Kan.

Feb. 18.....E. M. Myers, Burr Oak, Kan.
 Feb. 18.....B. W. Weidemer, Mgr., Cameron, Mo.

Feb. 26.....A. B. Skadden & Son, Frankfort, Kan.

Feb. 23.....Wm. Sutter, Liberty, Neb.
 Feb. 24.....James M. Williams, Home, Kan.
 Feb. 24.....R. B. Marshall, Willard, Kan.

Mar. 9.....Samuel Drybread, Elk City, Kan.
 Mar. 10.....T. I. Woodall, Fall River, Kan.

O. I. C.

Feb. 19.....Issac Briggs, Minneapolis, Kan.

Horses.

Feb. 16.....J. C. Robinson, Mgr., Wichita, Kan.

Feb. 16.....W. J. Finley, Higginville, Mo.
 Mar. 1.....L. M. Monsees & Sons, Smithton, Mo.

Mar. 3.....Walter Petty, Sedalia, Mo.

Combination Sales.

Feb. 10, 11, 12.....Improved Stock Breeders' Association of the Wheat Belt, sale at Caldwell, Kan., Chas. M. Johnston, Mgr.

Feb. 16, 17, 18.....J. C. Robinson, Mgr., Towanda, Kan., at Wichita, Kan.

Feb. 17, 18, 19, 20.....Mitchell County breeders' combination sale, Beloit, Kan.

Holstein-Friesians.

Feb. 9.....Henry C. Glissman, Station B., Omaha, Neb., sixty head at South Omaha.

Sheep.

Jan. 20.....Geo. Allen, Lexington, Neb.

Jan. 12.....North & Robinson, Grand Island, Neb.

Jan. 28.....O. P. Hendershot, Hebron, Neb.

C. W. Merriam, owner of the Alysdale herd of Shorthorns at Topeka, writes: "Thanks to the Kansas Farmer, I have just sold the fine young bull, Winthrop 29327, Prince Consort 187008 to Mr. C. P. Houghton of Lawrence who ships him to Lucas, Kan., to head his choice herd of Shorthorns at that place. I have left now four more good young bulls from 10 to 16 months old, all red in color, that will please any buyer and on which I will make the price right."

In the auctioneers column appears the advertisement of Col. Essie Craven of North Branch, Kan. Mr. Craven is a successful farmer and stock raiser of that place as well as an auctioneer. He is a gentleman of very pleasing personality and his long experience in the live stock business makes him a very valuable man in selling stock of any kind. He has the confidence and esteem of all who know him and his big hearted, kindly manner and good nature contributes in no small manner to his success on the auction block. He has plenty of open dates and would be pleased to conduct for you either a farm sale or pure bred stock sale.

Mrs. D. M. Gillespie, Route 8, Clay Center, Kan., announces a change in her offer as shown by her card. She showed her Barred Plymouth Rock chickens at Clay Center and won first prize on hen, second on pen, second and third on cockerel and third on pullet. The following letter shows how her customers feel about the treatment they receive: "Dear Madam: Our cockerels arrived in fine condition and I am well pleased with them. My neighbors pronounce them fine birds. Thanking you for their prompt delivery and hoping to buy some of your best eggs later on I am yours truly.—Mrs. Chas. W. Percy, Burr Oak, Kan."

E. M. Myers, Burr Oak, Kan., is very enthusiastic over a bunch of bred sows he is going to put in his sale Feb. 18. The writer looked at them about a month and a half ago and he certainly has a right to be proud of them. Mr. Myers is one of the young men in the Duroc Jersey business that has made good and is rapidly getting to the front with his nice herd at Burr Oak, Kan. He recently bought a very fine young boar from Pearl H. Pagett which will be crossed on some of the sows that go in this sale. A number of them are fall year-

SOWS BRED FOR SPRING FARROW
 To Kant's Model 52471, a son of Kant Be Heat, and Gold Finch Jr. 80365, a son of Gold Finch. An extra bunch of fall pigs. C. O. ANDERSON, Manhattan, Kan.

Snapshots Among the Breeders and Auctioneers.—By Re



Col. L. R. Brady, Manhattan, Kan.

lings and a nice lot of them are big, growthy spring gilts and also a few tried sows. This is one of the Duroc offerings you should keep in mind.

F. S. Kirk, secretary of the Oklahoma Improved Stock Breeders' association at Enid, has donated 40 acres of ground adjoining the city and raised \$50,000 in cash with which to build a sale pavilion and barn for the purpose of holding the regular sales of the association at that place. This barn will be about 700 feet long and will be the best equipped for sale purposes of any barn in the West. The great barn is given this length in order that horses may be shown and their gait determined. Mr. Kirk is a hustler and does things right. He has announced a great sale from February 22 to 29 for which only the best of horses, cattle and hogs to be found in Kansas, Missouri and Oklahoma will be accepted. Don't forget about this as it will be a great show as well as sale.

In this issue, in the real estate section, will be found the advertisement of Layton Bros., Osborn, Kan., who have what is probably the biggest list of farms for sale in that and adjoining counties of anyone in that section of the country. Alfalfa and wheat sections and improved farms at very moderate prices considering the fact that Osborne county is in one of the richest farming sections in the central part of the state. Layton Bros. are reliable and trustworthy. They own considerable land in the vicinity of Osborn and are thoroughly posted on values and at the present time have some very attractive propositions in improved farms. Write them for their big free pictorial farm list mentioned in their advertisement in the real estate section of Kansas Farmer.



O. P. HENDERSHOTT.

January 28-29 are the dates of O. P. Hendershot's public sale of Percheron and Belgian stallions and mares and Kentucky jacks at the fair grounds in Lincoln, Neb. We recently visited Mr. Hendershot's breeding establishments at Hebron, Neb., and were shown the 100 stallions and mares this offering is to be drawn from. In his 25 years as a breeder of pure bred horses Mr. Hendershot says he has never been able to put up as attractive an offering as he is making in this sale. Mr. Hendershot attended many of the leading fairs this last fall and was a good winner in all of them. Catalogs are ready and free for the asking. Lincoln is easily reached by Kansas farmers and horse men. Watch for nice display advertisement of this sale in Kansas Farmer. Drop a card to Mr. Hendershot at Hebron, Neb., for a catalog.

J. R. Roberts' Poland Chinas.
 Mr. J. R. Roberts of Deer Creek, Okla., is offering some choice young boars, bred sows and gilts for sale at attractive prices if sold soon. Write Mr. Roberts for description and prices. Kindly mention Kansas Farmer.

The Big Bred Kind.
 Mr. Roy Johnston of Erie, Kan., is offering sows and gilts of the large type for sale. These are the Blain's Wonder, Long John and Long Mike kind. Kindly write Mr. Johnston your wants and mention Kansas Farmer.

Poland China Herd Boars.
 S. P. Chiles of Fairfield, Iowa, is making special prices on prize winning herd boars. The kind that win in the show ring and sell in the sale ring. Write Mr. Chiles for description and prices. Kindly mention Kansas Farmer when writing.

Red Wonder Boars for Sale.
 Mr. Fred Stodder of Burden, Kan., is offering some Red Wonder boars that should attract the attention of Duroc breeders looking for young herd headers. Write for prices and description. Kindly mention Kansas Farmer when writing.

Jacks and Saddle Stallions.
 J. F. Cook & Co. of Lexington, Ky., with branch barn at Wichita, Kan., are offering some very high class jacks and saddle stallions for sale. Write Mr. J. C. Kerr, Mgr., at Wichita for prices and description. Mention Kansas Farmer when writing.

Percheron Stallions for Sale.
 Some good Percheron stallions from four to six years old can be purchased from Frank Wasson of Clearwater, Kan. These are blacks, bays and grays. They are priced worth the money. Write Mr. Wasson or go and see them. Kindly mention Kansas Farmer when writing.

Foster's Red Polled Bulls.
 Chas. Foster & Son of Eldorado, Kan., are offering a choice lot of young bulls for sale, also a few well bred heifers and one herd bull, Dandy \$1147. Mr. Foster is making prices that should attract the prospective buyer. Write for description or go and see this herd. Kindly mention Kansas Farmer.

Duroc Jersey Gilts.
 Marshall Bros. of Burden, Cowley county, Kan., are offering some choice gilts sired by old Missouri Wonder. No Duroc herd is complete without a Missouri Wonder sow or gilt in it. Write them for prices. They have over 300 head in their herd to pick from. Kindly mention Kansas Farmer when writing.

Keeler Offers Good Spring Pigs and Yearling Gilts.
 The Duroc Jerseys advertised by L. A. Keeler at Toronto, Kan., are the kind that make good for the buyer at all times. Mr. Keeler has bred these hogs with an aim to produce the practical hog for the farmer, feeder and breeder. Look up Mr. Keeler's ad on another page and write or go and see this herd. Farm adjoins town. Mention Kansas Farmer when writing.

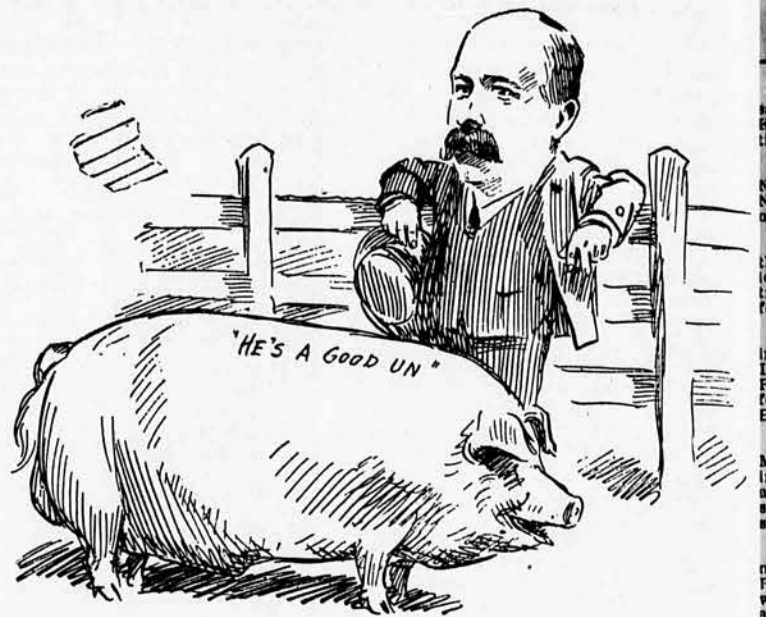
Large Poland Chinas.
 Messrs. Geo. Wedd & Son of Spring Hill, Kan., are building up a valuable herd of the large type Poland Chinas. Their herd boar is Kansas Wonder, sired by Blain's Wonder. Kansas Wonder has proved a great sire, and sows bred to him should be a money making proposition as well as attractions in their February 12 brood sow sale. Remember the date and watch Kansas Farmer for sale announcement.

Shorthorn Bulls for Sale.
 C. S. Nevius of Chiles, Kan., has some extra good Scotch bulls for sale. One of them is the prize winning Prince Laetre, probably Prince Pavonia's greatest son. His competitor for that honor is a roan Violet calf that was also a consistent prize winner at the fall shows. He has other good ones, all priced worth the money. Write or see Mr. Nevius at Chiles, Kan. Kindly mention Kansas Farmer when writing.

Walker Jack Farm.
 Mr. Philip Walker of Moline, Kan., has on hand one of the best lots of young jacks he has ever offered for sale, both Mammoth and Warrior strains, of heavy boned type. Mr. Walker has been 30 years a breeder and is now serving his second term as county commissioner of Elk county and enjoys the confidence of a large host of friends. If you are in the market for a good jack or stallion, write Mr. Walker for prices. Mention Kansas Farmer.

A Great Offering of Bred Sows.
 A. W. Shriver of Cleveland, Kan., will hold his annual Poland China bred sow sale on January 15. This is an opportunity sale and should attract buyers from a distance. In this sale will be about 20 head of tried sows of the most fashionable breeding, and bred to Roll in Line, one of the best sons of Next in Line. Send and get a catalog and arrange to attend this sale. Watch for sale announcement in Kansas Farmer. Remember the date, January 15, and Cleveland, Kingman county, Kan., the place. When writing for catalog mention Kansas Farmer.

The J. W. Creech Dispersion of Standard Breds.
 Very few Kansans have had the opportunity that will be presented to them by J. W. Creech on January 26 in his offering of standard bred horses at Herington, Kan.



W. C. Perdue, Beloit.

Owing to poor health Mr. Creech is obliged to sell his entire holding of valuable horses and offers everything in his barns for the high dollar on the day of sale. Don't forget that you will have chance to buy Escobar 2:13½, Wilkie 2:17 and others with good records. A fast three-year-old Dr. Wayo who is the to be good for a 2:12 mark next season some very promising yearlings who are included. All of the brood mares are very promising fillies and colts there to select from and the opportunity will be a great one. Drop a card to Creech at Herington and tell him that Kansas Farmer recommends the quality of his horses and ask him for a catalog. A standard blood is a mighty good thing.

Just the Sale to Attend.

There will be but few bred sow sales this winter in comparison with the number held last season. This together with the fact that there is a shortage caused by ravages of cholera and the thousands of sows sent to the market that should have been kept for breeding purposes will mean first class stuff. It occurs to the writer that prospective buyers that are fixed to have a stock to do their buying at some of the sales. One of the first of these sales is to be recommended by those that are in position to know where the good ones are. To be found will be that of the well known breeder Mr. G. M. Hull of Burchard, Mo. Mr. Hull belongs to the old guard of type breeders and is noted as a breeder of ability and integrity. He has bred and annually as good a bunch of the big, smart, kind of Poland Chinas as any breeder from southern Nebraska. His herd boars, Hasteries, Boy and O. K. Price, are a pair of great big, heavy boned fellows that would bring credit to any herd in America. Hadley the United States noted Big Hadley. O. K. Price is a four or five year old state fair winner. Price We know take care of his dam was the splendid breeding sow and a back at You Tell. O. K. Price has a frame for a horse and has an 11 inch bone. These catalog. This year are good. Those not of the very best many reader write more than half of them have been bred by Hadley Boy and the rest to O. K. Price. Among the attractions will be several gilts out of Midnight by Champion No. 3 is the choice, but the others are as good. Several out of Long Jane Lady Chief Gold Dust are by O. K. Price. Extra good gilts are by O. K. Price and of Standard Lady by Standard Tecumseh. Both of these gilts are elegant brood prospects. They have an abundance of size and quality. There will be two June yearlings out of Beauty Lookout and sired Chief Gold Dust. These will be bred to K. Price. Square Top also goes in the sale does C's Lady, half sister to the Prince You Tell. Everything is bred early litters and will be sold in nice breeding condition. Don't fail to get a catalog this sale.

Ten Weeks for 10 Cents.

In order to introduce KANSAS FARMER to progressive farmers, we send 10 weeks for 10 cents to any one who does not now take it. This offer is made as a trial offer only. We depend on our subscribers to make this special offer known to their friends and neighbors.

The "Jubilee Year" of Page Fence

Page Fence is the Pioneer—the oldest woven wire fence on the market. Twenty-five years of test prove the supremacy of Page Woven Wire Fence in tensile strength, elasticity, durability and economy. Over 800,000 farmers, stockmen, dairymen and poultrymen and prize winners of the Government use Page Fence as the highest standard of quality. The first Page Fence sold is still in service—never has needed repairs. The Page Fence we are selling today is vastly better. It is a genuine High-Carbon, Basic Open-Heath, Steel Wire Fence. Money cannot buy better. Send for a free copy of the "Jubilee Edition" of the Page Catalog.

Page Woven Wire Fence Co., Box A78, Adrian, Mich.
 25 POST CARDS 25c.
 Something nice. Order now. C. Simpson, Winton-Salem, N. C.

PUBLISHER'S PARAGRAPHS

ing advertisers be sure always to you saw their advertisement in Farmer. It will please the adver-

my is exceedingly interesting. The tern School of Taxidermy, Box 111 a, Neb., teaches it See announce- page 10.

ter engine for plowing is made than e by Hart-Parr Company, 212 Law- Charles City, Iowa. Read the illus- ad on page 16 and send postal card free catalog to above address.

The Weber gasoline engine is a simple, expensive, guaranteed engine for farm use. sold direct to the farmer by the makers. ad about it on page 11. Write for full in- mation to Weber Gas Engine Company, 705 Kansas City, Mo.

goods manufactured by the Appleton r. Co., 19 Fargo St., Batavia, Ill., are all the front rank. This week this company rishes and illustrates its New Hero corn ller on page 16. A free catalog will be t on application to above address.

You can learn music by mail by using the h of the Simplex School of Music. ad about it on page 10. It will be worth e to send for the free book which tells bout it. Address Simplex School of sic, Conservatory 367, Kansas City, Mo.

The incubator season is on. Some of the ling incubator manufacturers of the ntry are advertising in Kansas Farmer the present time. This is the right time sent for incubator catalogs. See incu- or ad on page 15 of this issue. In writ- for catalog please say where you saw catalog offered

We call your attention to an advertisement, another column, of the H. & M. Market rasses Shop, So. St. Joseph, Mo. These e are especially strong in their line, nufacturing a high grade of goods and ing them direct at one profit. They e a very handsome catalog of 104 pages, 1-illustrated and descriptive of their eplete line, which they are glad to send to our readers. We would recommend e to drop them a line today, a postal will e you will find it highly instructive.

our new real estate advertisers this k appears the firm of Nordstrom & e of Clay Center, Kan. The Nord- mated Realty Co. is one of the lead- e firms in this part of Kansas. They e large list of lands that are for sale, e at which any farmer or investor afford to own them. Their adver- e this week relates to a very choice e farm that the writer knows e improvements are good and there e water soil. At the price no man who e a farm need to hesitate.

nursery and seed catalog comes to e year from the German Nurseries, e Beatrice, Neb. This is their twenty- e season. Their catalog is a 112 page, e growing from a four page circ- e as a catalog about 20 years ago. e takes a carload of paper to get out e catalog and requires nearly \$10,000 in e for mailing. The catalog contains e interesting things, one being a currant e berry tree. These are imported e many direct by the German Nur- e who sold enough of them during the e three years to be able to guarantee e to grow satisfactorily in most parts of e United States. It looks strange to see e or gooseberries growing on a tree e or five feet high. It is very easy to e ease of the fruit on a tree of this kind e no back-aching job to pick it. Each e is the custom of this concern to illus- e the newest fruit on the cover of their e. This year their cover shows two e grapes and a fine new variety of plum. e reader writing for a copy of this cata- e mentioning this paper, will get one e of an excellent vegetable novelty free.

A Motor Car for the Farm. e good motor cars of reasonable cost e now on the market. What the best car e do not know, but we do know that one e really good ones is made by Reliable e Motor Car Company, Dept. B6, Chi- e. See illustrated ad on page 9. The e book offered is sure to interest you if e have thought at all of buying an auto-

The Hoosier Drill.

I bought a 14-7 Hoosier drill from Ana- walt-Campbell Mercantile Co. of this city last fall and drilled about 200 acres of wheat with it, and did not have any trouble what- ever. This is my second Hoosier grain drill and I have not been able to find anything better. I have only used the drill for wheat and oats, but I understand that they are used with good success for drilling alfalfa and all other kinds of grain.—J. S. Quigg, Harper, Kan.

Of Value to Horsemen.

Do you turn your horses out for the win- ter? If so, we want to call your attention to a very important matter. Horses which have been used steadily at work, either on the farm or road, have quite likely had some strains whereby lameness or enlarge- ments have been caused. Or perhaps new life is needed to be infused into their legs. Gombault's Caustic Balsam applied as per directions, just as you are turning the horse out, will be of great benefit; and this is the time when it can be used very successfully. One great advantage in using this remedy is that after it is applied it needs no care or attention, but does its work well and at a time when the horse is having a rest. Of course it can be used with equal success while horses are in the stable, but many people in turning their horses out would use Caustic Balsam if they were reminded of it, and this article is given as a reminder.

The Currie Wind Mill.

Thousands of farmers in all parts of the southwest do not need to be told of the merits of the Currie wind mills as their own experience with them has brought satis- faction. There are others, doubtless, who would like this same satisfying experience. To such we would say that the Currie wind mills have stood every test for the past 12 years. They are made by western men for western farmers. They are made of galvanized steel and are first class in every respect. Being made in Topeka they are readily secured without high freight rates. Here is what one pleased customer has to say about these mills:

Please find enclosed draft for the wind mill ordered of you some time ago. In re- gard to the mill will say for simplicity and power I think your mill excels any on the market. I have three other makes of mills. Yours truly, J. J. Nesbit, Superintendent of Larned Water Works.

Ask for their descriptive catalog and you may become a pleased customer also.

The Fence that Lasts.

There isn't anything that the farmer buys in which a mistake is more hopeless than in wire fence. If he gets "stuck" he is stuck for good, because there is no possible way of remedying the defect; it is a case of buying a new fence. The Brown Fence & Wire Company of Cleveland, Ohio, is send- ing out some interesting literature on wire fence, showing why so much of the fence put up in recent years has rusted out and gone to pieces in so short a time. They point out very clearly that a fence like a chain is only as strong as its weakest part. It must be good all over to be good at all. A strong, heavy stay or upright is as much important as a heavy lateral. They more- over show that in recent years much of the galvanizing that has been done is hardly worth the name galvanizing at all. The wire is merely dipped into melted zinc in- stead of being put through a true galvaniz- ing process. We know everyone of our read- ers will be interested in what Mr. Brown has to say on this fence question. Send to him for his little book. It will open your eyes. Address Dept. 39, Brown Fence and Wire Company, Cleveland, Ohio.

Lumber that Satisfies.

Readers of Kansas Farmer have, we are sure, read with interest the lumber and other advertising done in this paper by the Chicago Housewrecking Company. We have before us three letters written by people in Kansas and Missouri expressing their satis- faction with lumber purchased from the Chi- cago Housewrecking Company. They are as follows:

Gentlemen: We are just through checking car of lumber and have found same A No. 1. We are very much pleased with the quality and hope the next car will prove just as good. We are in need of shingles and lath for this house badly and hope you will rush them through.—Chas. Lundblade, Great Bend, Kan., Nov. 20, 1908.

Gentlemen: Received car of lumber and am very much pleased with it.—John Eber- laln, Wien, Mo.

Gentlemen: We have our lumber used up

and have been trying to get up another car load as we have been so well pleased with this one which is a great inducement for others. Mr. — who is here now and looking over our lumber is very well pleased with it. Your lumber will stand looking at and you can use my name if you wish to.—Frank Goback, Seneca, Kan., Sept. 21, 1908.

Will you not read over again the full page ad on the back of last week's issue of this paper? Send for free catalog No. 61 as requested.

Helps for the Poultry Industry.

The incubator has doubtless done more for the poultry industry than has any other single factor. "Raising chickens" was of little importance before this machine was invent- ed, simply because "hen hatched" chickens could not be matured early enough in the season to sell at a profit. However, the in- cubator now makes it possible for chicks to be well matured by the time most hens be- gin to show signs of broodiness. Thus in- cubators have come into common use, and some few makes have established their right to the confidence of the public. Prominent in this class stand the "Excelsior" and "Wooden Hen," the former having been one of the earliest of the artificial hatching ma- chines put on the market. Both types are built upon practical lines, and have won the approval of thousands of poultrymen every- where. They are made in sizes varying from 50 to 600 eggs, thus adapting themselves to poultry plants great and small. In "Excel- sior" and "Wooden Hen" incubators the principles of heat, moisture and ventilation, so vital to the development of healthy chicks, have been perfectly worked out. Regulation of the heat, which may be sup- plied by kerosene, gas or electricity, is prac- tically automatic, reducing to almost noth- ing the attention required to keep the ma- chine going. "Excelsior" and "Wooden Hen" incubators and brooders are illustrated and described in attractive catalogs and litera- ture issued by the manufacturer, Geo. H. Stahl, Box 48, Quincy, Ill., who will gladly mail same to any address upon request.

Lower Priced Separators.

There is no question but that there has been among the dairymen a crying need for a high grade separator, which could be sold at a lower price. Everybody wants a cream separator, but many have felt they could not afford to pay the high prices demanded. It remains for a Chicago separator manufac- turer to meet this demand and to place a separator of the first class on the market at a price which is within the reach of even the smallest cow owner. We refer to the Davis Cream Separator of Chicago. The high price at which separators have been sold, has been due, not to the expense of manufacturing, but to the costly plan of selling. Here is where the Davis people have found opportunity to make their great cut in price. They have not cheapened the material, or reduced the capacity, or built an inferior machine; but they have adopted the plan of selling direct from the factory, cutting off all state agents, jobbers, and dealers' commissions and expenses. They have found that by pursuing this policy, they are able to sell direct to users their simple Davis separator at a price but little more than half what other standard ma- chines are selling for. And it is one of the easiest running, cleanest skimming, easiest cleaned machines on the market. We believe that an investigation, both as to quality and price will prove what we have said to be true. The way to begin is to write the Davis Cream Separator Co., 540 N. Clinton St., Chicago, for their catalog. Not neces- sary to write a long letter; a postal card will do. Just address as above and say: "Send me your catalog No. 125." It will come promptly.

Strengthen Animal Digestion.

If the right way to feed cattle was thor- oughly drilled into the consciousness of every farmer in the country, there would be less groaning about "hard times" and "poor luck." There is no such thing as hard times to the farmer whose system of feeding is right. Cattle raising and feeding, as con- ducted on a good many farms, needs some new ideas infused into it—that's all. Men who fall practise old-time methods; men who succeed follow "The Dr. Hess Idea," which shows plainly that the key to the whole situation is good animal digestion. This is a new and common sense solution of an old difficulty. A steer getting double rations, day after day for weeks, can't be ex- pected to "stand up" under it and "finish" good and plump and hearty, without his over loaded stomach has assistance. Think of yourself a moment—now you feel after a specially heavy meal—and then think of the results likely to follow a continued course of such feeding. You couldn't stand it; neither can the steer. Is it any wonder, then, that many a feeder who starts out with a fine bunch of stock and good prospects of a high market, finds himself later on, face to face with an almost ruinous loss, and

You Can't Talk It too strong. What?

Gombault's Caustic Balsam As a Liniment For the Human Body

Springfield, O., Sept. 19, 1904.
Lawrence-Williams Co., Cleveland, O.—Lewis Kvelis- er, Urbana, R. F. D., a farmer, had a bad cancer on back of his hand. When I first saw it he was on his way to have his hand amputated. I persuaded him to first try GOMBALT'S CAUSTIC BALSAM, which he did, and on second application could rest well at night—the first for weeks. In less than three months he was at work on the farm. He will certify to this statement over his signature. Then Mr. Jenkins, storekeeper and post- master at Seth, O., had a bad cancer on his cheek-bone. I saw him at a grange meeting and told him to use CAUSTIC BALSAM twice a day, rubbing it in for five or ten minutes. In three months it was healed over and is now all sound. These two are all that I have the address of just now. I have had CAUSTIC BALSAM used on old shin sores. One man had walked with crutches for more than a year, and several pieces of bone had come out. I persuaded him to try CAUSTIC BALSAM, and today you would not know he was ever lame. Then, it is a sure cure for piles, using it with sweet oil. I could tell of dozens of cases where I have induced different ones to use CAUSTIC BALSAM. I have been the means of more than fifty bottles being bought, because I know just what it will do. You can't talk it up strong enough. I wish you success.

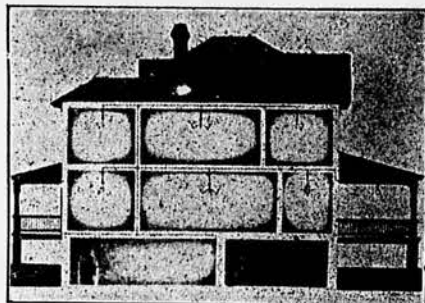
R. L. HOLMAN,
In charge Co-operative Work of Ohio State Grange.
Price \$1.00 per bottle. Sold by druggists, or sent by express prepaid. Write for Booklet H.
The LAWRENCE-WILLIAMS COMPANY, Cleveland, O.

WON'T YOU DO IT?

The Kansas Farmer wants an energetic per- son, either lady or gentleman, in each county as a local representative. We want some one who can devote some time to our work and we are willing to pay them for it. It would be fine work and good pay for a lady and she could make it a permanent position if she wished to. Write us for particulars.

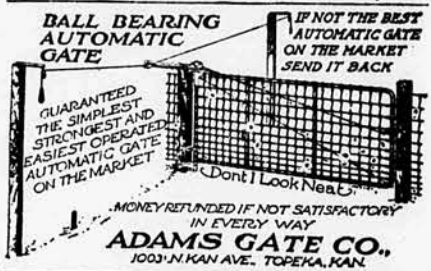
THE KANSAS FARMER,
Circulation Dept. Topeka

THE LARGEST AND BEST LINE OF
WELL DRILLING
MACHINERY in America. We have been mak- ing it for over 30 years. Do not buy until you see our new Illustrated Catalogue No. 41. Send for it now. It is FREE.
Austin Manufacturing Co., Chicago



LIGHT YOUR HOMES WITH ACETYLENE

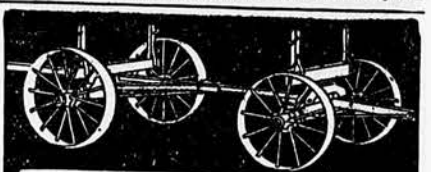
It Makes a Modern Home
A book full of facts for the asking. 139 N. Topeka Av
Wichita Acetylene Co., Wichita, Ks.



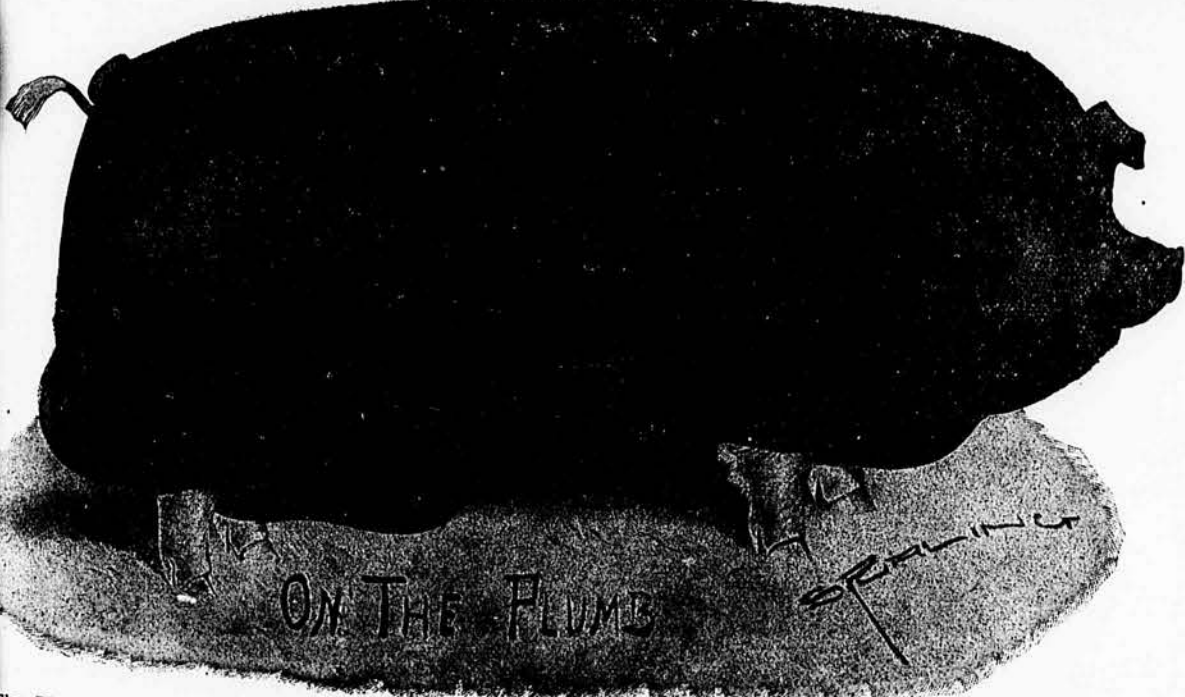
SELF SETTING PLAN
A child can set it. 222 in use at the Kansas Agricultural College at Manhattan. Sent on 30 days trial as per circular. A carpenter's pen- cil free if names of ten farmers are sent us. Gage Tool Co., Vineland, N. J.

BOWSER SWEEP MILLS

Different from all others. Grind Corn with shucks or without. Kafir in the head and all kinds small grain. 4 and 8 horse sizes. Geared 10 to 1 or 7 to 1. (Also make 7 sizes belt mills.)
C. N. P. Bowser Co., South Bend, Ind.



WHAT DO YOU SAY?
Several hundred thousand farmers say that the best investment they ever made was when they bought an
Electric Handy Wagon
Low wheels, wide tires, easy work, light draft. We'll sell you a set of the best steel wheels made for your old wagon. Spoke united with hub, guaranteed not to break nor work loose. Send for our catalogue and save money.
ELECTRIC WHEEL CO., Box 46, Quincy, Ill.



On The Plumb, the boar at the head of the Wrightwood herd of Poland Chinas at Valley Center, Kan. This boar was first prize senior yearling at the Kansas State Fair 1907 and is the greatest breeding son living today of the champion On & On and the only son of Black U. S. and Darkness blood, and every one of his great grand sires are Perfection blood, making one of the strongest bred Perfection breed and he is also fitting for the 1909 shows a herd sired by this boar.

Bargains in Farms, Ranches, City Property

REMARKABLY FINE FARM.

200 acres Kaw bottom, 8 room house, 2 fine barns, cattle sheds, cribs, windmills and tanks. All for potatoes or general farming, 2 miles from sta. No better farm between Topeka and Lawrence. For particulars inquire of J. D. MILLER & CO., 615 Kansas Ave., Topeka, Kan.

FREE GOVERNMENT HOMESTEAD LANDS.

500,000 to 1,000,000 acres platted by quarter sections and fully described in each monthly issue. Select your own free farm. \$1.00 a year. 25c copy. Western World, 640 Commonwealth Bldg., Denver, Colo.

Marshall Co. Bargains

A few choice corn and wheat farms that are bargains, ranging in price from \$30 to \$70 per acre. If interested, write

BURKET & RODGERS,

Blue Rapids,

Kansas.

Fruit, Dairy and Hog Farm.

116 acres, joining good Oklahoma town; 20 miles State University; 3,000 apple trees; 500 miscellaneous bearing trees. Ideal place. \$3,000 cash. Terms on balance. Might take some stock or small clear farm as part pay. Write for full particulars to W. L. Rucker, Agt. for owner, 702 Chandler St., Trenton, Mo.

FOR EXCHANGE

Hotel 23 rooms, corner lots, steam heat, or will sell for \$4,000. Also 180 acres land, 70 in cultivation. Good orchard, 4-room house, fine water. Six miles from Bennington, Kans. Price \$3,200. Come and see us. J. H. BOYLE, Bennington, Kan.

A Well Improved Stock Farm

In the banner corn and alfalfa county of Kansas, especially equipped for dairying but could be adapted to corn farming. \$5,500, \$1,500 before March 1, terms on balance.

A. CORNELL, - Burr Oak, Kan.

OSBORNE COUNTY LAND.

A postal card brings big free pictorial farm list.

Layton Bros., - Osborne, Kan.

all because this truth which nature and observation should have taught him, has been disregarded? Experience is a good teacher, though sometimes a hard one. It's better to take the "ounce of prevention" than the "pound of cure"; hence the object of this article is to show plainly where the preventive and remedy lies. "The Dr. Hess Idea" tells us (and it was also proved by careful experiment long ago) that suitable tonics, such as are found in Dr. Hess Stock Food, are absolutely essential to health in a fattening steer or in a cow forced to a maximum milk yield. Without such an easy and natural assistant, a break down will come. With these elements (iron, nitrate and bit-ter tonics) given daily in the grain ration, health, good appetite, and steady growth and fattening follow as a consequence. "The Dr. Hess Idea" is now the policy of all successful cattle feeders in the East as well as in the West, and is doing more than anything else to make the business pay. Milch cows increase their mess wonderfully when it's given them; hogs and sheep grow and thrive on it, and horses have the fine look that always follows and is an indication of good condition. "The Dr. Hess Idea" is guaranteed. Prominent medical men, whose knowledge and experience warrant them in expressing an opinion unhesitatingly endorse Dr. Hess Stock Food. Among these are such men as Professors Winslow Quitman and Finley Dunn. In view of what has been said here, isn't it wise for the feeder whose money is locked up in a herd of cattle or hogs, to investigate this "tonic idea" before a possible failure comes? And this fact is reassuring—if you use these preparations without success, your money will be refunded.

Tool Satisfaction.

If you have never experienced the delight of using "Keen Kutter" tools you should insist upon getting them the next time you buy tools. They are not only a pleasure to purchase—you do not have to worry through an assortment—but it's a positive delight to use them. They never fail. They do the work for which they are built in the finest possible manner and never disappoint. Makes no difference what sort of tool it is—glimet, razor, lawn mower, pitch fork, adze, all are "Keen Kutter" quality through and through. See that the tool bears the famous trade mark. Further inspection is unnecessary. "Keen Kutter" tools have won enormous success during the 40 years they have been made by the Simmons Hardware Co., of St. Louis. Gradually their fame has spread from city to city and all through the country districts until today the Simmons Hardware Co. is among the largest of its kind in existence. And it has fairly won the reputation that it makes the highest grade tools possible to manufacture. That this statement is correct is shown by the guarantee that accompanies every article bearing the famous "Keen Kutter" trade mark. The guarantee is to the effect that every tool that in any way fails to come up to the expectation of the purchaser, that does not accomplish all that is claimed for it, must be replaced by another tool or the money refunded! This protection has won thousands of new friends every year—people who were tired of buying alleged perfect tools that would not make good—that the edges would not hold, that the heads of hammers would dent under severe work, in fact disappoint in many different ways. "Keen Kutter" tools are vastly different from all others. For instance, all the edge tools reach the purchaser sharpened and ready for immediate service. This is a tremendous advantage, not alone in the saving of time, but in the longevity of the tool. Every edge tool is sharpened at the factory by experts who do nothing else. When you are buying a "Keen Kutter" edge tool, therefore, you need never worry about getting one that is "right." They are all "right." They must be or your money will be refunded. Equal attention and care is given all other tools that bear the "Keen Kutter" trade mark. It makes no difference whether it be a can opener, a nail hammer, a rake or a two-handed saw. They all are perfected with the same attention and must do their work in the same satisfactory manner. "Keen Kutter" handles are famous all over the

world. There could be no better. They are not only made of the finest and stoutest woods, but are "turned" in a perfect manner and fitted to the tool by experts in a way that makes them absolutely secure. In the case of hammers, axes and hatchets, the famous Greilner Everlasting Lock Wedge is used, making it impossible for the head to fly off. If your dealer does not handle the "Keen Kutter" line of tools, write to the Simmons Hardware Company (Inc.), St. Louis or New York.

Mr. Galloway claims to make the lowest price ever made on a first class manure spreader. Read what he says on page 13. The Galloway Spreader is sold on a free trial, freight prepaid. Write for the valuable free manure spreader book to The Wm. Galloway Company, 389 Jefferson St., Waterloo, Ia.

Attention is again called to the seeds and nursery advertisements appearing in our columns. This is a good time to get in touch with these good firms. In writing for horticultural catalogs don't fail to say you saw the offer of the catalog in Kansas Farmer.

Kansas Farmer is carrying this week and every week a fine lot of advertisements of poultry breeders. See page 14 of this issue. These breeders are reliable and can furnish stock and eggs that will please you. Better start with pure bred poultry this year.

One of our great seed advertisers is the Zimmerman Seed Co., 623 Quincy St., Topeka, Kan. It will pay to send for the new free Zimmerman seed book. See attractive ad on page 13.

The American Harrow Company, 1012 Hastings St., Detroit, Mich., makes a factory price on its own tongueless disk harrow. Read about it on page 7. It will pay you to look into the merits of this splendid harrow.

The famous John Deere plows are advertised this week in an illustrated announcement on page 8. This is a great plow, and no mistake. Write for the fine new booklet No. 15 to Deere & Co., Moline, Ill.

Read the fanning mill ad of the Manson Campbell Company on page 7. Better write to the Kansas City office of this company at 318 West 10th St., for new free catalog.

A "Square Deal" Firm.

"Honesty is the best policy." It's a good old saying and a wise one. It applies to the horse business as well as everything else. There is a horse importing firm at Lincoln, Neb., that has built its business wisely and well on the solid rock foundation. Its foundation is its fixed rule "a square deal" and it makes them loom up big and strong. We refer to that reliable firm in Lincoln, Neb., Watson, Woods Bros. & Kelly Co. This firm sells nothing but pure bred imported stallions. These are selected in Europe by Mr. Joe Watson, the president of the Watson, Woods Bros. & Kelly Company. These fine stallions are sold in this country at "square deal" prices, for what they are really worth, not for what they might bring as is usually the custom. A man can't buy a poor stallion of this firm at any price nor pay more for a good one than it is worth. Is it any wonder that this "square deal" firm sells so many horses? Note what a customer, to whom they sold a horse last week, has to say in regard to their horses:

Watson, Woods Bros. & Kelly Co., Lincoln, Neb.

Gentlemen: In writing you we wish to say that the imported 1800 pound two-year-old Percheron colt we bought of you last week arrived at our barns at Luverne, Minn., in fine shape, without a bump or scratch. Are very well satisfied with him and should he prove himself to be a No. 1 breeder, perpetuating his own good qualities and size, he will be a horse of great value to us to place at the head of our Percheron mares. We wish to say further that in looking for a Percheron stallion, we visited several barns of imported draft horses but in none of these did we find such a clean, sound lot of horses, numbering about 80 head, as we found in your barn, and we do not hesitate to recommend the firm of Watson, Woods Bros. & Kelly Co. of Lincoln, Neb., to parties looking for a Percheron, Shire or Belgian stallion, equal to the best and well worth the money. Yours truly, L. C. Hodgson.

Watson, Woods Bros. & Kelly Co.'s recent importation consists of a grand lot of big, sound Percherons, Shires and Belgians. These are now on exhibit and for sale at their modern stables in Lincoln. Every farmer and every man interested in fine stallions would find it well worth while to visit the barns of this firm. If you are not going to Lincoln soon, we suggest that you write to Watson, Woods Bros. & Kelly Co. for a copy of the "Pictorial Story of the Horse." It costs nothing, and everyone interested in horses should have it. Write today off it, right now, before you forget it.

GROWING CATALPAS

165 Miles from Kansas City.

140 acres of growing catalpas, sprouts from 3 to 7 years old. Timber cut over once at 18 years of age.

Ninety acres cut 350,000 posts.

Net income, \$16,500.00.

Twenty acres in corn, 4-room house. Five miles to shipping point. Price \$20,000.

Address

E. P. RIGGLE.

R. R. 3.

Eureka, Kansas

Snaps in Eastern Kansas Farms

155 acres in Osage County, 4 miles good town, good 6-room house, barn, dozen house, sheds, out-ings, feed lots, fenced, good orchard, rural route, telephone, 1/4 mile to school. Easy terms.....
80 acres: 40 in cultivation, 40 meadow and pasture, 5-room house, barn, chicken house, other out-ings, all fenced, well watered, 1 mile to school, on rural route, telephone. Easy terms.....

Address, H. P. RICHARDS, Rooms 205-7 Bank of Topeka Bldg., Topeka, Kan.

WHAT IS IT?

Don't wait if you want a good home cheap. 160 acres five miles from Salina, 120 acres level, 150 acres plow land, 50 acres now in pasture, 80 acres growing wheat, 1-3 goes to pur-

chaser; small barn and granary, good water to pure soft water; all good alfalfa the best of soil. Don't delay. Price Write, phone or come and see.

NEWTON & EATON, - - - Clay Center, Kan.

W. G. SWEET, STOCKTON, KANSAS.

Great Bargains in Farms and Ranches. Write me for new list and particulars.

Zimmerman Irrigated Lands

The Cream of the Pecos Valley. Now open. All river-front sections. The best alfalfa and fruit lands in America. Sold in 40-acre tracts, which will provide a permanent annual income of \$1,000 or more annually. Price \$35 to \$40 per acre on 5 years' time, without interest or taxes, including perpetual water-right, 50 cents per acre as first payment. Address

THE HEATH COMPANY, 625 Jackson St. Topeka, Kansas

A GOOD FARM AND GOOD HOME.

600 acres with modern 8 room house, fine porch on north and east, cost \$4,000; fine barn 40x60, 20 foot posts, hay fork, and will hold 70 tons of hay, well arranged with single and double stalls, large box stalls; cribs, granaries, cattle sheds, stock scales, 14 acres in grove, 17,000 young catalpa trees, windmill at barn and one at R. R. water tank belonging to ranch, fine running water on every 1/4 section; 2 lakes, 1, 5 acres, the other 2 acres, well stocked with game fish; 6 acres of orchard bearing all kinds of the finest fruit, apples, pears, cherries, peaches, apricots, plums, quinces, crab apples; 200 acres in cultivation, 400 acres grass; good ice house holds 40 tons; 1 house 16x18 for help on ranch, smoke house, shop, fine chicken house, all necessary buildings, 40 acres alfalfa. Price \$40 per acre. Terms

The Nelson Real Estate & Emigration Co., 137 N. Main, Wichita, Kan.

(First published in Kansas Farmer Jan. 2, 1909.)

PUBLICATION NOTICE.

No. 25254.
The state of Kansas to George Strickler, James A. Hill, Joseph Culbertson, William F. S. Manly, and the unknown heirs of the said George Strickler, James A. Hill, Joseph Culbertson, and William F. S. Manly, Greeting: You and each of you are hereby notified that you have been sued in the district court of Shawnee county, Kansas, in an action therein pending wherein E. W. Rankin and Alberta L. Rankin are plaintiffs and you and each of you are defendants, and that unless you answer plaintiff's petition filed herein on or before the 13th day of February, 1909, that judgment will be taken against you and each of you, quieting the plaintiff's title in and to the following described real estate, situated in the city of Topeka, county of Shawnee, and state of Kansas, to-wit: lot numbered four hundred sixteen (416), and the north nine and one-half (9 1/2) feet of lot numbered four hundred eighteen (418) on Clay street, in King's Addition and excluding you and each of you from any interest therein and enjoining you and each of you from ever asserting any right, title, interest, or estate in and to said premises.

Attest
R. L. Thomas,
[Seal] Clerk of District Court.

MISSOURI FARMS for SALE

Everman has a farm for every man. for description and price list.

John W. Everman, - - - Callatia.

OSBORNE COUNTY LAND

Write for big, new list; just out. LAYTON BROS. - Osborne, Kan.

SANFORD BROS.

Bargains in LOTS and other CITY PROPERTY. REAL ESTATE DEALERS. MANHATTAN, KAN.

FARM BARGAINS.

240 acres 3 miles from McPherson, first improvements all new, 10-room house, barn and outbuildings, fenced and fenced, 205 acres plow land, balance pasture. Price \$71 per acre. Easy terms. McPherson Land & Loan Co., McPherson, Kan.

Oklahoma Farm for Sale

Have good central Oklahoma farm. \$4,800. Mortgage \$1,200, long time 7 per cent. Well improved; good orchard. Will sell for draft stallion or mares or good stock bred. Will carry part of equity on desired. Address "Owner," Care of Farmer, Topeka, Kan.

FARMS FOR SALE IN HARVEY COUNTY, KANSAS.

240 acres, 3 miles from Walton, 5 1/2 from Newton. School house on land, half in cultivation, balance is pasture. 8 room house, barn, good well and cistern. Price \$10,500. Time on one-half at 5 per cent.

M. W. DEY, - - - WALTON, Kan.

The Stray List

December 19.
Jefferson county—Foy Weishaar, Clerk. HEIFER—Taken up, November 17, 1908, M. Shirley, one red heifer coming 2-year white face and belly.

December 26.
Coffee county—J. M. Scott, Clerk. HEIFER—Taken up, November 30, 1908, B. H. Fast, in Ottumwa tp., one red heifer; valued at \$10.

STEER—Taken up, November 30, 1908, H. Fast, in Ottumwa tp., one 2-year-old horned red steer, branded A on right right ear cropped square, notch in bottom left ear; value \$20.

Elk county—J. H. Logsdon, Clerk. HEIFER—Taken up, December 14, 1908, T. J. Rothgeb, in Painterhood tp., one heifer, white on head and belly; was 18 months old when taken up; was \$14. December 1, 1908, and valued at \$14.

January 2.
Jackson county—J. W. Martin, Clerk. HEIFER—Taken up by N. J. Basye, November 14, 1908, in Liberty tp., one red heifer, two slits in end of each ear, valued at \$10.

BROWN FENCE

For Horses, Cattle, Sheep, Hogs, Chickens, Lawns—A fence for every purpose. Big heavy No. 9 Galvanized Wire. Thickly galvanized. 150 styles at \$5 to \$35 per rod—We pay F.R.L. Free samples and catalog. The BROWN Fence & Wire Co. Dept. 39 Cleveland, Ohio. FREE

FARMERS wanted to prepare by mail for coming examination for farmer in Government Service; good salaries; particulars free. Osment's School, St. Louis, Mo.