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KANSAS FARMER

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KANSAS FARMER.

Established in 1863.

Published every Thursday by the
KANSAS FARMER CO., - - TOPEKA, KANSAS

E. B. COWGILL.....President
J. B. McAFEE.....Vice President
D. C. NELLIS.....Secretary and Treasurer

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H. A. HEATH.....Advertising Manager

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ADVERTISING RATES.

Display advertising, 15 cents per line, agate (fourteen lines to the inch). Continuous orders, run of the paper, \$1.54 per inch per week.
Special reading notices, 25 cents per line.
Business cards or miscellaneous advertisements will be received from reliable advertisers at the rate of \$5.00 per agate line for one year.
Annual cards in the Breeders' Directory, consisting of four lines or less, for \$16.00 per year, including a copy of the Kansas Farmer free. Special rates for displayed live stock advertising.
Special Want Column advertisements, 10 cents per line of seven words per week. Cash with the order. Electrotype must have metal base.
Objectionable advertisements or orders from unreliable advertisers, when such is known to be the case, will not be accepted at any price.
To insure prompt publication of an advertisement, send cash with the order; however, monthly or quarterly payments may be arranged by parties who are well known to the publishers, or when acceptable references are given.
All advertising intended for the current week should reach this office not later than Monday.
Every advertiser will receive a copy of the paper free, during the publication of the advertisement.
Address all communications to

KANSAS FARMER CO.,
116 West Sixth Ave., Topeka, Kans.

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written especially for the Youth's Companion and published in the issue for October 27, he tells many interesting things which throw light on the characters of the soldiers of the East and of the West.

Readers of the KANSAS FARMER who missed seeing the great American Royal Show last week, failed to receive one of the great object lessons afforded by this great live-stock event. However, knowing that the majority of our readers were denied this opportunity we call especial attention to the detailed report of the show and sales which appears in this week's issue. Also to the significant advertisement of the International Stock Food Company, of Minneapolis, Minn., and the attractive picture of the world's champion pacer, Dan Patch 1:56 1/4, valued at \$150,000. Our readers will be interested in receiving this beautiful colored picture of Dan Patch, which will be mailed free as per the page announcement.

One of the most valuable publications that has come from the United States Department of Agriculture recently is Bulletin No. 52 of the Bureau of Forestry, entitled "Forest Planting in Western Kansas. The author of this bulletin is Mr. Royal S. Kellogg, a graduate of the State Agricultural College of Kansas and now Forest Agent of the Bureau of Forestry. The report covers the physical features, climate, effects of forests on climate, shelterbelts and windbreaks, details of planting, cultivation, pruning, species planted, together with notes and measurements and other interesting and valuable matter. The report is beautifully illustrated and can be had by addressing Mr. Gifford Pinchot, Bureau of Forestry, United States Department of Agriculture, Washington, D. C.

Statisticians find it difficult to recover from the shock produced by the great reduction in this country's exports of wheat. The fact that the year ending June 30, 1903, witnessed exports of 203,265,098 bushels of wheat in the forms of grain and flour and that this was a reduction of about 30,000,000 bushels from the exports of the preceding year but was about an average of five years' exports, attracted little attention. But the exports for the year ending June 30, 1904, fell to 119,441,719 bushels and created a commotion. This commotion is augmented by the showing that the first nine months of 1904 witnessed the exportation of only about 50,000,000. The crop of the present season will admit of but limited exportation. Meantime, the demands of importing countries are stimulating prices.

RUSSIANS MUST HAVE BEEN SCARED.

The most sensational incident of the great war in the East occurred last Saturday in the North Sea. The Russian fleet of war ships from the Baltic Sea had started for the scene of action and was passing between Great Britain and the main land. A squadron of English fishing vessels

were passed. The Russians threw flashlights upon the fishing vessels and soon after fired upon them, sinking some and damaging others. There is much consternation in England, and immediate explanations and reparation are demanded. These will doubtless be quickly furnished.

It is stated that the Russians are in great fear of attacks from disguised Japanese torpedo boats and that they suspected the English fishing vessels of being such Japanese craft.

If this is the best explanation the Russians have to offer, it will scarcely be satisfactory to England or to other neutral powers. There is considerable apprehension lest the repeated blunders of Russian commanders shall lead to complications involving other Nations in the war. It is surmised that if England should engage in war against Russia, France and possibly Germany would be drawn into the conflict on the Russian side. Such general conflict would be most regrettable and might involve still other European powers. Perhaps the United States would be unable to keep out. It is expected, however, that diplomacy and not war will settle the differences engendered between England and Russia.

WEED LAW QUESTION.

EDITOR KANSAS FARMER:—Where counties have adopted the weed and hedge law, is the owner of land along the public highway required to cut the weeds on the public roadside without compensation, or is it done the same as any other road-work, for which he receives a specified amount for a certain number of hours' work?

E. F. MARKS.

Pottawatomie County.
The weed law requires the landowner to do the work described without compensation. If he fail to do it, the road-overseer must do it and the cost will be taxed against the land.

CAN HE SELL HOME-MADE WINE?

EDITOR KANSAS FARMER:—Is a person in Kansas allowed to sell wine that he makes from grapes raised on his own place?

J. K.

Shawnee County.

A manufacturer of wine in Kansas may sell his product to be used for the three excepted purposes only; that is, for medical, mechanical, and scientific purposes. The manufacturer is required to comply with strenuous conditions such as giving bond for \$10,000, etc. No one, however small his output, may legally manufacture or sell any intoxicating liquor for use as a beverage. Wine is classed as an intoxicating liquor in Kansas. The circumstance of producing the grapes and making the wine on his own place does not exempt any one from the restrictions of the law.

GAS PIPE-LINES IN THE ROAD.

EDITOR KANSAS FARMER:—Will you quote the law in regard to gas companies laying pipe-lines in road on section lines?

WESLEY KNAUS.

Wilson County, Kansas.
Kansas has no statute specifically

authorizing the laying of pipe-lines for gas. The provisions of the 36th clause of section 4, chapter 66 General Statutes of Kansas is, however, probably broad enough to include this as one of "The purposes for which corporations may be formed." Clause 36 reads: "The transacting of any manufacturing, mining, mechanical, chemical, or mercantile, and agricultural implements and produce business, either separately or all combined." Section 93 of said chapter provides for "the condemnation of any right-of-way or of any land for the use of any corporation organized under" authority of said section 4 of said chapter 66.

Under these provisions of law, gas companies obtain whatever rights they have for laying pipes in this State. These rights are circumscribed by the following provision of the Kansas Constitution:

"Art. 12, Sec. 4. No right-of-way shall be appropriated to the use of any corporation until full compensation therefor be first made in money, or secured by a deposit of money, to the owner, irrespective of any benefit from any improvement proposed by such corporation."

The condemnation proceedings provided in the statutes are, of course, not resorted to, in case the corporation secures, by purchase or otherwise, the consent of the owner of the land which the corporation desires to use.

But some corporations assume that they have a right to use the highway without the consent of the abutting land-owners and without condemnation proceedings. In some cases a "right-of-way" is obtained from the Board of County Commissioners and it is assumed that this makes unnecessary the consent of anybody else as to use of the highway.

The questions arising in connection with the piping of natural gas have been exhaustively considered by the courts of Indiana which State has had a longer experience with gas than has yet been had in Kansas. We may, therefore, learn from the decisions reached in that State.

The Indiana statute provides that "where the board of county commissioners of the proper county so direct, said trenches and pipe-lines may be constructed and laid along the right-of-way of any road or highway."

This apparently makes the case of the pipe-line companies much stronger in Indiana than in Kansas. But the Supreme Court of that State held, 134 Ind. 209, that this statute does not affect the fee ownership. The court held further that "The rights of gas companies, to affect the fee, are secured through proceedings * * * against the fee owner, while as affecting the easement they are secured through the commissioners * * *"

The court held further: "The owners of lands abutting a highway are presumptively the owners in fee to the center of such highway, and such fee includes all rights not inconsistent with the easement of the public for the purpose of travel."

The Appellate Court of Indiana de-

(Continued on page 1064.)

The Russian soldier fights stubbornly because it is the order; the Japanese intelligently because he is a patriot. Oscar King Davis, war correspondent with the armies of the Mikado, has made some study of the traits of the soldiers, Asiatic and European, whom he has seen and lived with in camp and field. In an article

American Royal Show

The Great Annual Breeding and Range Stock Show of America, Held at Kansas City, October 17-22, 1904.

THE BIGGEST AND BEST EVER HELD

Fine Stock, Fine Weather, Fine Sales and Fine Attendance.

The American Royal for 1904 was a show of live stock such as will bring a glow of pride to the heart of every American citizen who is interested in the foundation industry of our country.

Beginning on the morning of October 17, the week of the American Royal was characterized by a larger attendance than ever before; by generally pleasant weather and by the remarkably high quality of the exhibits. While the World's Fair cattle and swine shows were the largest and most important, in some respects, ever held in the United States, if not in the world, the American Royal of 1904 exceeded them in the quality of animals shown, though not in numbers. It was generally remarked throughout the show that perhaps never before had there been a large show in which the exhibits were so uniformly good. The Royal this year was made conspicuous by the presence of a large number of World's Fair prize-winners in all classes of stock.

McLaughlin Bros., of Kansas City, Columbus, and St. Paul, had about thirty-five head of their World's Fair champions and other prize-winners, including both their grand champion Percherons and grand champion French Coach stallions.

J. Crouch & Son, of Lafayette, Ind., had an equally large number, which included their World's Fair prize-winners and which made a magnificent showing for all the breeds they represent.

The great Shorthorn breed never made a better showing than here. Greater numbers of Shorthorns have been brought together at various times and places but probably never in the history of the breed has a better lot of Shorthorns been shown together. By this we mean that there were fewer inferior animals in the Royal this year than in any previous show and it is a significant fact of which Kansas is proud that the Kansas Shorthorn exhibits of T. K. Tomson & Sons, Dover, and J. F. Stodder, Burden, took much higher places in the American Royal than they did over the same competitors at the World's Fair.

In other words, the judging at Kansas City was generally conceded to have been better and more accurately done along proper lines in all the breeds than was that at St. Louis.

What has been said of the quality of the Shorthorn exhibits will apply equally to the other breeds. The American Royal was started as a show of Hereford cattle and that breed has always been prominent here. This year the quality of the exhibits exceeded that of any former year, though the coveted prizes changed places somewhat as compared with last year. Mr. Overton Harris, Harris, Mo., who won both premier championships at the World's Fair was also successful in carrying away the principal prizes at the Royal.

It will be noticed in our reports of the awards that the Kansas breeders represented at this show were given recognition in the prize money and that a Kansas lady, Mrs. K. W. Cross, Emporia, won the first prize in both the steer classes for Herefords.

The Angus breeders concede that the Royal of this year was the most hotly contested show ever entered into excepting the World's Fair show.

Kansas was represented by the great herd of Parker, Parrish & Miller, Hudson, who had the distinction of

winning many prizes in the breeding classes with the get of their herd bull, Hale Lad, of which they had fifteen on exhibition. They also had the distinction of winning the grand championship for Angus steers.

The Galloway breed was represented by a strong showing which speaks volumes for the improvement that has been made for this breed of cattle in late years.

But one breed of hogs was shown for premiums at the American Royal. This was the Duroc-Jerseys and to Kansas belongs the proud distinction of winning the first prize and championship in the aged boar class in competition with the grand champion boar of the World's Fair.

This honor belongs to J. B. Davis, Fairview, whose winnings are shown in our report of the awards.

Berkshires, Poland-Chinas, and Chester Whites were all on exhibition and were judged by judges selected by the owners, but they were not entered in the American Royal and no prizes were offered by that association. They were simply on the grounds for sale.

The American Royal cattle sales this year were good and indicate an exceedingly healthful tone of the pure-bred market. In fact, we consider that these sales are an index of increased activity in the pure-bred business and it is a matter of satisfaction to be able to report such sales as will be found on another page of this issue. In connection with these sales, Kansas again comes to the front with the highest priced Shorthorn bull and one which won third prize in a ring in which Choice Goods stood first and Whitehall Sultan second.

One very decided improvement noted in the American Royal of this year was the increased number and quality of the car-lot and range cattle exhibits. This is especially to be commended as Kansas City is the center of the greatest beef-producing region in the United States and in the home of the second greatest packing house industry of the world. Again, it will be noticed that Kansas stood conspicuous among the winners.

The American Royal of 1904, has gone into history as the most successful and in many ways the most valuable show that has ever been made in Kansas City, and much credit is due to President C. A. Stannard, Emporia, Kans., and the other officers who have so ably assisted him in the performance of his duties. Kansas, however, claims credit of naming the president under whose administration the American Royal has attained its highest success.

There are yet a few things that are needed to make the American Royal the show that it should be. Located, as it is, in the center of the greatest agricultural region on earth, there is no apparent reason why its showing of draft- and coach-horses should not be as great in both quality and numbers as it now is in the beef-cattle classes. The exhibitors who were present this year showed both coach- and draft-horses which could hardly be equalled any place else on earth, but the breeders and importers of these classes of horses should have their interests more generally enlisted and should be present in greater numbers for the advancement of the breeds they represent, as well as that of their own personal interest. A strong movement has been inaugurated by McLaughlin Bros., Kansas City, to make of this the greatest horse show on earth for the draft- and coach-horses and we believe it will meet with success. At any rate, these ef-

forts will have the cooperation of the KANSAS FARMER.

The exhibits and awards follow:

PRIZES AWARDED HEREFORDS.

Aged bull—First to James A. Funkhouser, Plattsburg, Mo., on Onward 4h; second to O. Harris, Harris, Mo., on Fuller; third to Gudgell & Simpson, Independence, Mo., on Bright Donald; fourth to W. H. Curtice, Eminence, Ky., on Beau Donald 39th; fifth to C. N. Moore, Lee's Summit, Mo., on Beau March On; sixth to Steele Bros., Richland, Kans., on Majestic; seventh to John Hutson, Canyon, Texas, on Ten Strike; eighth to Miss Lou Goodwin, Blue Rapids, Kans., on Mays Keep On; ninth to Makin Bros., Lees Summit, Mo., on Capital; tenth to Gudgell & Simpson on Belisarius.

Bull 2 years old and under 3—First to O. Harris on Keep On 26th; second to W. H. Curtice on Prince Rupert 8th; third to Cargill & McMillan, Lacrosse, Wis., on Fair Lad E.; fourth to Gudgell & Simpson on Romulus; fifth to Steele Bros. on Principate.

Senior yearling bull—First to James A. Funkhouser on Onward 18th; second to O. Harris, on Benjamin Wilton 10th; third to Steele Bros. on Princeps 8th; fourth to W. H. Curtice on Beau Donald 58th; fifth to John Hutson on Strike 8th; sixth to J. W. Lenox, Independence, Mo., on Halberd Lad; seventh to Steele Bros. on Stanley.

Junior yearling bull—First to Gudgell & Simpson on Beau President; second to James A. Funkhouser on Onward 23d; third to S. L. Standish, Hume, Mo., on Beau Ideal; fourth to Gudgell & Simpson on Marlborough; fifth to Cargill & McMillan on March On 6th; sixth to T. W. Carmichael, Odessa, Mo., on Leyburn; seventh to Saumel Drybread, Elk City, Kans., on Spencer Wilton.

Senior bull calf—First to O. Harris on Good Enough 4th; second to Gudgell & Simpson on Bold Rex; third to C. N. Moore on Advancer 5th; fourth to R. T. Thornton on Little Abe; fifth to Gudgell & Simpson on Madman; sixth to C. N. Moore on Advancer 4th; seventh to Mrs. K. W. Cross, Emporia, Kans., on Soldier Creek Columbus 23d; eighth to Gudgell & Simpson on Balmoral; ninth to R. C. Wilson, Belton, Mo., on Beau Mandarin 2d; tenth to S. L. Standish, Hume, Mo., on Columbus Lad 2d.

Junior bull calf—First to O. Harris on Good Enough 10th; second to J. A. Funkhouser on Onward 31st; third to Gudgell & Simpson on Sagamore; fourth to W. H. Curtice on Beau Donald 75th; fifth to J. A. Funkhouser on Onward 30th; sixth to O. Harris on Donald 14th; seventh to W. H. Curtice on Beau Donald 77th; eighth to Cargill & McMillan on Bonnie Brae.

Aged cow—First to W. H. Curtice on Belle Donald 4th; second to Gudgell & Simpson on Priscilla 5th; third to J. A. Funkhouser on Romaine; fourth to O. Harris on Lucile 2d; fifth to Steele Bros., Richland, Kans., on Princess May 2d; sixth to Gudgell & Simpson on Modesty 3d; seventh to J. A. Funkhouser on Lady Columbus 19th; eighth to W. H. Curtice on Belle Donald 59th; ninth to O. Harris on Russett; tenth to Steele Bros. on Priscilla.

Cow or heifer 2 years old and under 3—First to O. Harris on Amelia; second to Steele Bros. on Heliotrope; third to W. H. Curtice on Belle Donald 60th; fourth to Steele Bros. on Domestic; fifth to O. Harris on Tess; sixth to James A. Funkhouser on Twila; seventh to W. H. Curtice on Belle Donald 61st; eighth to Mrs. K. W. Cross on Royalty 4th; ninth to Cargill & McMillan on Chancy; tenth to Gudgell & Simpson on Capitola 16th.

Senior yearling heifer—First to O. Harris on Arminta 4th; second to same on Iva 4th; third to W. H. Curtice on Belle Donald 69th; fourth to Steele Bros. on Princess May 3d; fifth to J. A. Funkhouser on Rovilla; sixth to W. H. Curtice on Belle Donald 73d; seventh to Gudgell & Simpson on Miss Cassie 3d; eighth to same on Capitola 20th.

Junior yearling heifer—First to O. Harris on Miss Donald 5th; second to J. A. Funkhouser on Kathleen; third to W. H. Curtice on Belle Donald 77th; fourth to same on Belle Donald 76th; fifth to C. N. Moore on Mary Helmg; sixth to O. Harris on Miss Donald 3d; seventh to C. A. Stannard on Mary J.; eighth to J. A. Funkhouser on Lela.

Senior heifer calf—First to O. Harris on Purple Leaf 2d, second to Gudgell & Simpson on Blanche 28th; third to Funkhouser on Dawn; fourth to Cargill & McMillan on Golden Lassie; fifth to W. H. Curtice on Belle Donald 86th; sixth to Gudgell & Simpson on Bluebelle 19th; seventh to W. H. Curtice on Belle Donald 65th; eighth to O. Harris on Miss Donald 6th.

Junior heifer calf—First to O. Harris on Miss Donald 17th; second to O. Harris on Miss Donald 21st; third to Gudgell & Simpson on Belle 17th; fourth to O. Harris on Miss Donald 18th; fifth to Steele Bros. on Estella; sixth to J. A. Funkhouser on Inez; seventh to Cargill & McMillan on Charlotte 2d; eighth to Mrs. K. W. Cross on Bonita.

Senior sweepstakes bull 2 years old or over—James A. Funkhouser on Onward 4th.

Junior sweepstakes bull—James A. Funkhouser on Onward 18th.

Senior sweepstakes cow—O. Harris on Amelia.

Junior sweepstakes heifer—O. Harris on Miss Donald 5th.

Best bull any age—J. A. Funkhouser on Onward 4th.

Best cow any age—O. Harris on Miss Donald 5th.

Aged herd—First to O. Harris on herd headed by Fuller; second to J. A. Funkhouser on herd headed by Onward 4th; third to W. H. Curtice on herd headed by Beau Donald 39th; fourth to O. Harris on herd headed by Keep On 26th; fifth to Gudgell & Simpson on herd headed by Bright Donald.

Young herd—First to O. Harris on herd headed by Benjamin Wilton 10th; second to J. A. Funkhouser on herd headed by Onward 18th; third to W. H. Curtice on herd headed by Beau Donald 58th; fourth to O. Harris on herd headed by Good Enough 4th; fifth to Steele Bros. on herd headed by Principis 8th.

Calf herd—First to O. Harris on herd headed by Good Enough 4th; second to Gudgell & Simpson on herd headed by

Stops **Painkiller** **Cures**

Chills (PERRY DAVIS') **Colds**

Sagamore; third to W. H. Curtice on herd headed by Beau Donald 75th.

Meadow Park Special, \$500 cup offered by C. W. Armour for best Hereford herd in the show—O. Harris on Benjamin Wilton 10th, Arminta 4th, Miss Donald 5th, Purple Leaf 2d and Miss Donald 17th.

Produce of one cow—First to W. H. Curtice on produce of Minnie H.; second to J. A. Funkhouser on produce of Keepsake; third to O. Harris on Marquis Ellen; fourth to J. A. Funkhouser on Bango 3d; fifth to E. H. Curtice on Sophia.

Four animals of either sex, get of sire—First to W. H. Curtice on get of Beau Donald; second to J. A. Funkhouser on get of March On 6th; third to Steele Bros. on Princeps; fourth to O. Harris on Beau Donald 5th; fifth to O. Harris on Benjamin Wilton.

Best 10 animals any age or sex, bred and owned by exhibitor—O. Harris.

This award carries with it the grand championship ribbon offered by the association and a silver water set valued at \$50 and donated by The Cady & Olmstead Jewelry Co., Kansas City, Mo.

FAT STOCK—PURE BREDS.

Hereford pure-bred steer, spayed or martin heifer 2 years and under 3—First to O. Harris; second to John Hutson.

Pure-bred steer, spayed or martin heifer 1 year old and under 2—First to Mrs. K. W. Cross on Lydos; second to O. Harris on Sandy; third to Gudgell & Simpson on Burnsides.

Steer, spayed or martin heifer under 1 year old—First to Mrs. K. W. Cross on Progress; second to Cargill & McMillan on Puritan 2d; third to Mrs. K. W. Cross on Snowball.

Best steer, spayed or martin heifer any age—Mrs. K. W. Cross on Lydos.

GRADE HEREFORDS.

Best grade steer, spayed or martin heifer, any age—Mrs. K. W. Cross on Billy.

Grade steer, spayed or martin heifer 1 year old and under 2—First to Mrs. K. W. Cross on Billy; second to C. A. Baker, Leeton, Mo., on Index; third to Yates Bros., Faucett, Mo., on Good Stuff.

Grade steer, spayed or martin heifer under 1 year old—First to C. A. Baker on Duplex; second to same on Jerry; third to same on Billy.

FAT STOCK AND FEEDING CATTLE, CAR-LOTS.

Fat Herefords 2 years old and over—First to Fowler & Todd, Maple Hill, Kans.; second to Newton Long, Sumner, Mo.

Fat Herefords under 2 years—First to C. A. Baker; second to J. A. Barnett, Gallatin, Mo.

Feeding 2 years old and under 3—First to Nebraska Land and Feeding Co., Ellsworth, Neb.; second to Swenson Bros., Stamford, Texas; third to C. C. Slaughter, Dallas, Texas.

One year old and under 2—First to Stanton Breeding Farm, Madison, Neb.; second to Fetterman Hereford Cattle Co., Douglas, Wyo.; third to Nebraska Land and Feeding Co.

Feeding under 1 year old—First to Carpenter & Carson, Irwin, Neb.; second to Western Land and Cattle Co., Chadron, Neb.; third to Nebraska Land and Feeding Co.

PRIZES AWARDED SHORTHORNS.

Aged bulls—First to Tebo Land and Cattle Co., Clinton, Mo., on Choice Goods; second to F. W. Harding, Waukesha, Wis., on Imp. White Hall Sultan; third to J. W. Baker, Strong, Kans., on Master of the Grove; fourth to J. G. Robbins & Sons, Horace, Ind., on Lord Chesterfield; fifth to E. W. Bowen, Delphi, Ind., on Bubrae Chief; sixth to McClean Bros., Warrensburg, Mo., on Lord Victor; seventh to Alexander Frazer, Independence, Mo., on Crown Prince of Lawndale; eighth to George Manville, Dearborn, Mo., on 198th Duke of Wildwood; ninth to Henry Stunkel, Peck, Kans., on Hudson Captain.

Bull 2 years old and under 3—First to C. D. Bellows, Maryville, Mo., on Invincible Hampton; second to Purdy Bros., Harris, Mo., on Orange Monarch; third to Henry Stunkel on Victor Orange; fourth to A. C. Shallenberger, Alma, Neb., on Bar None; fifth to F. W. Harding on Royal Wonder; sixth to Alaric.

Senior yearling bull—First to F. W. Harding on White Hall Marshall; second to J. G. Robbins & Sons on My Choice; third to T. J. Wornall & Son, Liberty, Mo., on Nonparell Perfection; fourth to T. J. Wornall on Forest Victor; fifth to Joseph Duncan, Osborn, Mo., on Gwendoline Victor; sixth to J. F. Stodder, Burden, Kans., on Daredevil; seventh to T. K. Tomson & Sons, Dover, Kans., on Silvery Knight.

Junior yearling bull—First to C. D. Bellows on Hampton's Model; second to Tebo Land and Cattle Co. on Victor Vale; third to F. W. Harding on White Hall King; fourth to Purdy Bros., Harris, Mo., on Red Lord; fifth to Purdy Bros. on Delorain 3d; sixth to T. K. Tomson & Sons on Guilford; seventh to C. S. Nevius, Chiles, Kans., on Prince Pavnola; eighth to H. H. Griffith, Kearney, Mo., on Master Waterloo 2d.

Senior bull calf—First to Tebo Land and Cattle Co. on The Choice of All; second to Tebo Land and Cattle Co. on Good Lad; third to Tebo Land and Cattle Co. on The Conqueror; fourth to Purdy Bros. on Orange Monarch 2d; fifth to F. W. Harding on Sight Steer; sixth to Purdy Bros. on Missouri Monarch; seventh to J. G. Robbins & Sons on Lavender Lad; eighth to J. F. Stodder on Lord Filbert.

Junior bull calf—First to C. E. Clark, St. Cloud, Minn., on Bapton Vicar; second to T. J. Wornall & Son on Blythe Son; third to T. K. Tomson & Sons, Burdine Victor; fourth to C. D. Bellows on Hampton's Advance; fifth to C. D. Bellows on Columbus; sixth to Fred Case, Olathe, Kans., on Secret President; seventh to Joseph Duncan on Orange Champion; eighth to F. W. Harding on Anoka Cherry.

(Continued on page 1067.)

Agriculture

COMING EVENTS.

Will secretaries and those having the management of coming events, oblige the Kansas Farmer by sending dates?

November 26-December 3, 1904—International Live-Stock Exposition, Chicago, Ill.

Farmers' Institutes.

November 2, Farmers' Institute, Blue Hill, Mitchell County. W. F. Ramsay, Blue Hills, Kans. Profs. A. Dickens and R. J. Kinzer.

November 3, Farmers' Institute, Excelsior, Mitchell County. W. C. Rector, Glendide, Kans. Professors Dickens and Kinzer.

November 15, Farmers' Institute, Tampa, Marion County. D. D. Socolofsky, Prof. J. D. Walters and A. M. TenEyck.

November 17-18, Farmers Institute, Indian Creek, Shawnee County. J. M. Polidan, R. F. D. No. 1, North Topeka. Profs. A. M. TenEyck and Henrietta W. Calvin.

November 18-19, Farmers' Institute, Altamont, Labette County. C. E. Hildreth, secretary. Assist. V. M. Shoemsmith.

November 21, Farmers' Institute, Jewell, Jewell County. C. A. Shinn. Professors TenEyck and Willard.

January 11-14, 1905, Farmers' Institute, Hiawatha, Brown County. E. A. Chase.

January 12, Women's Day, Miss Flora Rose; January 13, Assistant V. M. Shoemsmith.

Kansas Grains and Grasses.

Can you give or help me to get any information regarding the grains and grasses of Kansas? M. E. NEWMAN. Osage County.

I have asked Professor Willard, director of the Experiment Station, to send you Bulletin No. 123 and all other available bulletins which he has on grasses and grains. I also refer you to the reports of the Board of Agriculture for the quarters ending March, 1900, March, 1902, and March, 1904. If you will write to Secretary F. D. Coburn, Topeka, Kans., I presume that some or all of these reports may be had. You will also find Professor Shaw's book on grasses to be very helpful. This book is published by the Webb Publishing Co., St. Paul, Minn. V. M. SHOESMITH.

Grasses for Hog Pasture.

How will English blue-grass and Bromus inermis combined or separate compare with rye for hog pasture? Which yields the most seed, black rye or white, which is the hardiest and which will make the most pasture during the winter? IRA H. PATTEN. Cowley County.

There is really little comparison to be made between rye and a combination of English blue-grass and Bromus inermis for hog pasture. As a rule the rye is used simply to piece out the perennial grass pastures and not to substitute them entirely. As far as the amount of pasturage is concerned, rye will furnish much less pasturage in a season than will the grasses mentioned. It will, however, furnish considerable pasturage at a time when the grasses are dormant or when they are making little growth as in the late fall or early spring. Rye furnishes the earliest pasture of any of the annual forage crops, and in your part of the State with a good start in the fall it would doubtless furnish considerable winter pasturage. In an experiment conducted at the Nebraska Station one-fifth acre of rye furnished twenty-seven days' pasturage for one cow.

As to the difference between "black" and "white" rye I am not able to give you any information, in fact, I am not acquainted with variety types of this character. All of the varieties of rye which I have grown were very similar in character as far as the appearance of the grain was concerned. In fact, there are no marked types of rye. Professor Roberts, botanist at this station, informs me that he has grown some twenty different varieties imported from Germany and they were so nearly alike that he could not distinguish one from another by the appearance of the grain. I believe that winter rye, having good, plump grain of good color and quality, may be depended upon to prove hardy and productive when grown in your locality. I should prefer, however, to sow home-grown seed.

For pasture, I usually recommend to seed about ten pounds each of English blue-grass and Bromus inermis per

acre with three or four pounds of red clover on bottom land, and on upland substitute four or five pounds of alfalfa in place of the clover. The combination with clover and alfalfa furnishes more pasturage and makes the pasture more permanent. Bromus inermis starts very early in the spring and grows late into the fall. English blue-grass does not start quite so early, but furnishes good, late fall pasture.

Possibly the rye might help out during the late fall and early spring as suggested above. A. M. TENEYCK.

Wheat and Tillage.

EDITOR KANSAS FARMER:—"As for the earth, out of it cometh bread," but, "In the sweat of thy brow shalt thou eat bread," and so if the earth is to yield bread or food, man must till, sow and reap, separate the grain from the chaff, the good from the bad and manufacture the products of the fields into edible foods.

No farmer expects or attempts to produce bread from the earth without more or less tillage, but, strange as it is, few realize the importance of thorough tillage in making the earth to yield an abundant harvest, so natural elements, not finding proper conditions in which to fulfill their mission, can not overcome the shortcomings of man. Kansas annually produces a large share of the world's bread; but, in Kansas as elsewhere, farming is a profession and a profession that requires a knowledge of nature's laws relating to the growth and needs of plants, the movements of moisture in the soil, the absorption and retention of the same, and in times of excessive rainfall, how best to get rid of the surplus. Water being the means of conveying nourishment to the plant, the soil whose porosity and texture permits its absorption and retention, without holding it in injurious quantities during very wet weather will give the best results, and man may regulate the supply by tillage increasing the humus content and drainage in the more compact soils. Much of the wheat sown within Kansas' borders is on ground on which wheat succeeds wheat year after year without intermission, the land receiving no preparation or tillage other than that given it by the drill at time of seeding. If the combination of the elements is such as to permit the plant to find the proper amount of moisture and nourishment, the harvest is abundant; but if not, the yield is in direct proportion to the approximation to the ideal or perfect condition required by the plant.

"Canst thou lift up thy voice to the clouds, that abundance of waters may cover thee, when the dust groweth into hardness and the clods cleave fast together?" As we can not, we must learn, first the requirements of plants; second, how to meet those requirements. As all soils devoid of moisture are sterile, the use and abuse of soil moisture is a very important study; for "drouth and heat consume the snow waters" must faster where thorough tillage is not given. To one whose study has been the science of farming it seems that to a great many farmers,

"That knowledge to their eyes her ample pages Rich with the spoils of time did ne'er unroll"

F. C. JOHNSON. Adams County, Neb.

Seeding Timothy and Clover.

I have about twenty acres of old, worn-out corn land that I want to seed down to timothy and clover in the spring; I also desire a crop of oats from it. I have thought of sowing two bushels of oats and one peck of clover to the acre and after the oats are harvested, sow the timothy on the oat stubble. Would you advise this, or had I better plow the land well this fall? It has been poorly tended for several years and is very foul and in bad shape; about half of it is bottom-land. DEAN COMER. Pottawatomie County.

The grasses and clovers have small seeds and very little vitality as compared with the cereal and forage crops. For this reason, largely, they

are slow in starting and it is hard to secure satisfactory stands. If your land is "run down" and is very foul you should take more than ordinary pains to prepare a good seed-bed for your grasses. As a rule, it does not seem to be advisable to use a nurse-crop for seeding grasses, as a nurse-crop is apt to crowd and shade the grass when it is young and tender, and then by harveting the crop in the middle of the summer the young plants are exposed to the sun when it is hottest. I would suggest that you plow your land carefully this fall and early in the spring finish preparing the seed-bed and sow without a nurse-crop as early as possible. Put in the timothy and clover at the same time at the rate of about twelve to fifteen pounds and six to eight pounds respectively. If the season is favorable next year, possibly your plan for sowing clover may be all right, but I would not expect that your foul land could be put in a good condition for seeding timothy after the oats were taken off. As grass-seed is so costly and is so difficult to seed, and as the Kansas farmer generally wishes to leave his stand of grass as long as possible, it always pays to give our meadows and pastures the very best possible care in the preparation of the seed-bed. V. M. SHOESMITH.

Alfalfa Bacteria.

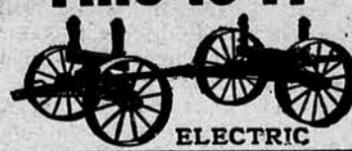
I am wanting to plant a few acres in alfalfa and I learn that I will have to get dirt from a field growing alfalfa with which to inoculate my soil or the seed will come up and die out. That is very strange to me, and I write to you to ascertain if such is the fact, and if so, what will enough dirt to inoculate four acres cost me? The soil where I wish to plant is a clay soil, prairie.

I want you to tell me how and when to prepare my land to plant alfalfa, and do you think it is good soil for such a crop? R. H. WARD. Ashley County, Arkansas.

It is quite necessary that the soil be inoculated with alfalfa bacteria in order to secure the fullest development of this plant. In fact, it is so essential that it does not pay to grow alfalfa ordinarily unless you can have the alfalfa bacteria working with the plant to secure nitrogen from the soil-air, a source of nitrogen which no other plant, so far as we know, outside of the legumes, can use. I am not acquainted with your soil and so can not judge as to whether it is inoculated with these germs or not. If alfalfa has been grown successfully in your locality for some time, it is probable that most of the land near you is more or less inoculated. In this case, it will not be necessary to inoculate artificially. It would be well for you to dig down around a few alfalfa plants and carefully wash the soil away and look for little tubercles on the roots about the size of a pin-head. If you find any of these little tubercles on the roots you may know that the soil is inoculated. If you do not find these, or if the alfalfa has never done well in your locality, I would suggest that you secure a few hundred pounds of soil from some field where alfalfa has been growing successfully.

We have been sending out considerable soil for this purpose and have charged 50 cents per hundred for the same, to cover cost of getting the soil from the field, drying, sacking, drayage, etc. If a large shipment of 300 pounds or more is desired, we have made a rate of 25 cents per hundred. This soil should be sown over the field at the rate of at least 400 pounds to the acre, and much quicker results would be secured if it were applied much thicker, but if only a few of these bacteria are placed in the soil it is probable that they will increase quite rapidly if they are given good conditions under which to develop. If you are acquainted with some farmer who has had good success with alfalfa, who lives within a short distance of your farm, it would be well to secure some soil from him as the freight would be considerable if you secured the soil from us. This soil may be sown broadcast by hand over the field and then harrowed in. If you are not

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certain as to the need of these bacteria, you might sow a part of your field rather thickly with inoculated soil and then use soil from this part for inoculating the remainder of the field next season, if necessary.

Alfalfa should do well on your clay, prairie soil if you have sufficient supply of water in the subsoil. It has been my experience that soil which is inclined to be wet at the surface is not best adapted to alfalfa. It is necessary to have a good water-supply, preferably ten to fifteen feet below the surface, although it may do very well if the supply of water is somewhat lower. Alfalfa may be sown either in the fall or spring, but in either case I would prefer to sow early. By the time you can get your land prepared and inoculated it would be too late for successful seeding this fall. It would be better for you to secure the inoculated soil and the alfalfa-seed and then sow early in the spring.

I enclose press bulletin on Bromus inermis, a paragraph of which on the preparation of the seed-bed will apply equally well to the seeding of alfalfa. I would especially emphasize the importance of having a firm seed-bed below and a finely pulverized soil at the surface.

V. M. SHOESMITH.

Farm Architecture.

L. M. WOOD, ARCHITECT, TOPEKA, KANS.
(Continued from last week.)

THE MILK-HOUSE.

We need not tell a farmer's wife that this is a most important part of the farm equipment. Considering the necessary cost of the building, the value of the items of milk and butter to the farm with its relative income, and the milk-house is not less important than the pig-sty, the sheep-cot, or the horse- and cow-stable.

The building may be attached to the house and communicate directly with the kitchen on one side and the ice-house on the other, as referred to in a former article, or it may have an intervening porch or veranda, or it may be altogether detached. Two indispensable requisites should be contemplated in their building, first, a uniform and cool temperature; and second, a perfectly salubrious atmosphere. How to overcome the obstacles in the acquisition of these is the purpose of this article.

The orthodox milk- and butter-conservatory of this climate is a cave or spring-house. These much-desired appendages to a dairy farm are not easily obtained, and when secured at all are often remote and inconvenient from the proper and healthful location of the house. The milk-house should be sufficiently detached from the house to allow free circulation of the air across it. It should be sheltered by the presence of other buildings, if practicable, from the strong hot winds. In its construction, the first point to settle, after location, is its interior surface or floor dimensions. Six or 7 feet wide and from 9 to 12 feet long will probably cover ordinary necessities. Around these dimensions build very heavy walls of stone or brick laid in mortar. Where sheltered from the winds and sun by the presence of the trees or other buildings, wall 2 feet 6 inches; in more exposed situations walls not less than 4 feet in thickness will be required. These walls may be solid or may be double, with an air space of 4 or 6 inches between, as the nature of surroundings and material shall suggest, the purpose being to make such weight of material as successfully to resist the influence of the sun and hot winds and insure a uniform temperature within. The influence of the sun's rays upon the surface of the earth are equal to influences upon perpendicular walls, and so the floor of the room should be lowered into the ground from 2 feet 6 inches to 4 feet.

If the building is detached from the house or from a porch as above referred to, the entrance should be on the north or east, opposite the prevailing winds and the most intense rays of the sun, and by means of stone steps, rough or smooth as means provide. The entrance doors should be double,

the first door at the exterior surface of walls and "opening out," the second on the interior surface of walls and "opening in," both made to close upon the stone sills and sufficiently close to prevent strong air currents.

The height of the exterior walls should depend upon surroundings. If sheltered as above suggested they may be lower than if more exposed. Ten or twelve feet of clear height on the inside wall will answer for sheltered locations, and twelve to fifteen clear height in situations more exposed. Near the ceiling on the opposite sides place small windows, the size of an ordinary cellar window, and protect those on the exterior with heavy slat blinds adjusted to allow free circulation of air. Within the blinds place a wire screen to exclude flies, and within these on the inside face of the wall, hand-glazed windows, to open and close at pleasure. The ceiling timbers should be strong enough to carry fifteen or eighteen inches of depth of leached ashes, or other non-conducting material, laid on a tight floor, the whole to be covered with an ordinary shingle roof with or without a projecting cornice.

A room built in this manner will nearly or quite fill the conditions above noted and a uniform temperature and a healthy atmosphere will have been obtained. The building thus constructed will be to all intents and purposes for a milk- and butter-room—a well or cave but more convenient than either. If the inclination of the ground admits and the location is dry, a pipe can be laid from the well to the milk-room and thence a drain extended out so that two or three times a day, in the driest weather, water may be passed through the room and furnish any lack there may be of moisture. The water in the room would have its surface exposed in stone or cement channels.

The interior fittings of the room will depend upon the taste and means of the owner. If a floor is laid, it should be of neat flagging with cement joints. Wood should not be employed in flooring as decomposition will soon begin, and the exhalations therefrom will render the atmosphere impure. The walls and ceiling may be plastered roughly and lime-wash applied often enough to keep the room sweet. The shelving should be portable, consisting of planed boards laid on sticks, built into the walls and projecting sufficiently to receive the shelves in such a manner that the shelving may conveniently be removed for cleaning and exposure to the sun. The thrifty housewife with a reasonably acute and intelligent nose, will be able to determine time and seasons for these periodical cleanings of soap and water and lime or sun. If the exterior is kept thoroughly whitewashed, it will do good service in keeping the room cool by reflecting the sharp rays of a summer sun; and if the building (when detached) is sheltered by quick-growing trees, it will add to its value.

THE ICE-HOUSE.

The principles embodied in the construction of an ice-house are the same in large as in small buildings, the object being to protect the ice from the exterior air by non-conducting walls, and to provide proper drainage and ventilation for the vapors that may arise. Blondel, in his "Decor des Edifices," says: "An ice-house is a room hollowed out in the ground to preserve the ice, which is amassed in the winter, in order to procure in summer fresh and cool water. Its shape resembles an inverted cone, and care should be taken to provide shade about it, either by means of trees or sheds. The custom is to make them 12 or 15 feet in diameter at the top and diminish them regularly to the bottom, the depth being ordinarily about 18 feet. However, this size can be changed according to the requirements, guarding always the same proportions. The more spacious the ice-house the better it preserves the ice, according to the opinions of many experienced men. They are constructed differently; some enclose them from the bottom to the top with a light wall of masonry about one foot in thick-

ness and plastered with mortar, and a pit is dug in the bottom two feet wide by four feet deep, covered over with an iron grating, for the purpose of draining the water from the melting ice."

I make this quotation to show how ice-houses were built in France 150 years ago. The ice-house of to-day, in the United States, is quite a different affair. It is usually rectangular because that is the cheapest form, and is better adapted for the storage of square blocks of ice. For convenience, the building should be joined to the milk-house, or be very near to it, and should also be very near to the kitchen. The size of it depends altogether upon the amount of the ice required for use in the family. An ordinary household will require about fifteen pounds a day through the heating term or say ten pounds per day for six months; this, for 180 days, would only be 1,800 pounds actually used. But it is neither economy or good sense to put up a building of only sufficient capacity to contain that amount. We will suppose then a building ten feet square and ten feet high inside, this will contain when loaded to within two feet of the top, 48,000 pounds of ice if properly packed; allowing one-sixth for melting, we have twenty tons remaining. This is sufficient to supply those of your neighbors who are so unfortunate as to be without, and to leave a handsome surplus to tide over the next year, if there should chance to be a poor crop.

The building should have a basement or cooling cellar under it. The walls of the basement should be two and a half feet thick, and the wall of the superstructure, if of stone or brick, should be two feet thick; if of wood they should be of the same thickness, built by a double row of studs set apart, boarded up and filled up with sawdust. The floor of the cooling cellar should be of clay, unless it may be desirable to flag or brick it. The floor joists of the ice-room should be 2 by 12 inches, and set six inches between centers, bridged twice through the middle. The floor should be laid with the inclination toward the center and should be water-tight. There should be a space of 6 inches left all around the sides, without any floor. Now set a row of 2 by 6 inch studs all around the inside, standing off from the wall 6 inches, space left as above. Board these studs upon both sides and fill in the intervening space with sawdust; secure the top to a strong plate to prevent spreading, although the lateral pressure of the ice will be but slight on account of the central inclination of the floor. The ice-room should be above the level of the milk-pans so the ice-cold drainage may be carried there by means of a pipe leading from the center of the floor. The door of the ice-room should be upon the north side and should be about four inches thick, double, and filled with sawdust; it should be located near the top of the room.

In storing the ice, care should be taken to cut the blocks of a uniform size, so that it will take an even number of them to fill out to the sides without cutting; they should then be stored just as closely as possible. Use no straw or sawdust until you get through, then put three feet of the former or twenty inches of the latter all over the top of the ice. As the ice is built up by the exterior door loose boards should be set in. If the weather is cold, it is advisable to throw water over the entire body of ice every two or three layers; this freezes and prevents the air from getting in. Never throw in your ice loosely and in irregular sized cakes; it will waste much more rapidly than by the other method.

(To be continued.)

International Exhibition.

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AMERICAN ROYAL SHOW.

(Continued from page 1054.) Aged cow—First to J. G. Robbins & Sons on Lad's Lady; second to Tebo Land and Cattle Co., on Golden Abbotsburn; third to E. W. Bowen on Queen of Beauty; fourth to F. W. Harding on Happy Valley; fifth to Tebo Land and Cattle Co. on Ruberta; sixth to J. G. Robbins & Sons on Lad's Rose; seventh to J. F. Stodder on Princess Challenger of Silver Creek; eighth to C. S. Nevius on Ada Serial 4th.

Iam Smiley on Starlight; third to Walter L. Jones, Warrensburg, Mo., on Tom. Steer, spayed, or martin heifer 1 year old and under 2—First to William Smiley on Trix; second to J. R. Peak & Son on Tip Top; third to Walter L. Jones on Billy. Steer, spayed, or martin heifer under 1 year—First to John C. Overton, Trenton, Mo., on Tom; second to William Smiley on Arc Light. Sweepstakes steer, spayed or martin heifer any age—William Smiley on Trix.

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Feeding 2 years old and under 3—First to C. C. Slaughter; second and third to William Boot, Denver, Col. Feeding 1 year old and under 2—First and second to Carpenter and Carson; third to Hotchkiss Bros., Montrose, Col. Feeding under 1 year—First, second, and third to Carpenter & Carson.

PRIZES TO ABERDEEN-ANGUS.

Aged bull—First to W. A. McHenry, Denison, Iowa, on Western Star; second to C. J. Martin, Churdan, Iowa, on Juba of Morlich; third to E. T. Davis, Iowa City, Iowa, on Woodlawn Blackbird Lad; fourth to A. C. Binnie, Alta, Iowa, on Mayor of Alta 2d; fifth to W. B. Seeley, Mt. Pleasant, Iowa, on Crown Bearer; sixth to Parrish & Miller, Hudson, Kans., on Hale Lad 2d. Bull 2 years old and under 3—First to C. J. Martin on Prince Ito 2d; second to W. A. McHenry on Censor; third to M. P. & S. E. Lantz on Zaire the Great; fourth to W. J. Miller, Metz, Iowa, on Sir Novice; fifth to J. E. Withers, Missouri City, Mo., on Errolline's Rosegay; sixth, H. H. Anderson, Laredo, Mo., on Clyde Anderson. Senior yearling bull—First to W. B. Seeley, Mt. Pleasant, Iowa, on Blackbird Ito; second to M. P. & S. E. Lantz, Carroll, Ill., on Zaire 2d; third to Parker Parrish & Miller on Japan Ito. Junior yearling bull—First to E. T. Davis on Morone; second to W. A. McHenry on Baden Lad; third to A. C. Binnie on Mayor of Alta 6th; fourth to R. S. Williams, Liberty, Mo., on Delectable King; fifth to E. T. Davis on Lebus; sixth to W. J. Miller on Gay Lad Matilda. Senior bull calf—First to W. A. McHenry on Choice Goods; second to McLachlan Bros. & Johnson, Estill, Mo., on Rosegay Lad; third to Phillip C. McDonald, Princeton, Mo., on McDonald's Lad; fourth to A. C. Binnie on Postscript of Alta; fifth to A. C. Binnie on Elmore of Alta; sixth to W. J. Miller on Newton King. Junior bull calf—First to A. C. Binnie on Ben Gloe of Alta; second to Parrish & Miller on Perfect Hale Lad; third to J. E. Withers on Blue Grass Ridge King; fourth to Parrish & Miller on Stewart's Lad; fifth to W. D. Seeley on Crown Me. Aged cow—First to C. J. Martin on Blackbird 24th; second to E. T. Davis on Blackbird of Denison 31st; third to W. A. McHenry on Blackbird McHenry 18th; fourth to W. J. Miller on Gay Rose Princess; fifth to Parrish & Miller on Sunflower Mary 3d; sixth to M. P. & S. E. Lantz on Lullian Windsor. Cow 2 years old and under 3—First to C. J. Martin on Blackbird 26th; second to E. T. Davis on Blackbird Favorite; third to W. A. McHenry on Blackbird McHenry 45th; fourth to W. A. McHenry on Erica McHenry 3d; fifth to W. H. Anderson, Laredo, Mo., on Dehlla I. 4th; sixth to W. J. Miller on Snowflake 2d of Kirkbridge. Senior yearling heifer—First to E. T. Davis on Glenfoll Rose; second to W. A. McHenry on Abess McHenry 5th; third to C. J. Martin on Blackcap 2d; fourth to Parrish & Miller on Rutger Mina 2d; fifth to E. T. Davis on Fay Bloom; sixth to W. J. Miller on Metz Vanda 3d. Junior yearling heifer—First to M. P. & S. E. Lantz on Zara 26th; second to E. T. Davis on Inverness Fern; third to W. J. Miller on Jemima of Sheestanes; fourth to M. P. & S. E. Lantz on Blackcap's Beauty; fifth to C. J. Martin on Ruth of Cherokee 2d; sixth to Parrish & Miller on Sunflower Queen. Senior heifer calf—First to A. C. Binnie on Eileen Lass; second to C. J. Martin on Florett of Cherokee; third to W. A. McHenry on Barbara McHenry 18th; fourth to E. T. Davis on Pritzeta; fifth to W. B. Seeley on Rose of Sharon; sixth to C. J. Martin on Violet Martin. Junior heifer calves—First to E. T. Davis on Marguerite D.; second to A. C. Binnie on Mina of Alta 5th; third to Parrish & Miller on Sunflower Sweet Violet 2d; fourth to Parrish & Miller on Sunflower Happy Fort; fifth to W. J. Miller on Home Dale Blackbird 3d; sixth to W. J. Turpin, Carrolton, Mo., on Grapewood Oathe. Senior sweepstakes bull—To C. J. Martin on Prince Ito 2d. Junior sweepstakes bull—To E. T. Davis on Morone. Senior Sweepstakes cow—To C. J. Martin on Blackbird 24th. Junior sweepstakes cow—To E. T. Davis on Glenfoll Rose. Grand champion cow—To C. J. Martin on Blackbird 24th. Grand champion bull—To C. J. Martin on Prince Ito 2d. Aged herd—First to C. J. Martin; second to E. T. Davis; third to W. A. McHenry; fourth to M. P. & S. E. Lantz. Young herd—First to E. T. Davis; second to W. A. McHenry; third to M. P. & S. E. Lantz; fourth to W. B. Seeley. Calf herd—First to Parrish & Miller; second to W. J. Turkin; third to W. B. Seeley. Four animals get of one sire—First to W. A. McHenry on get of 10th Laird of Estill; second to C. J. Martin on get of Black Monarch of Emerson; third to A. C. Binnie on get of Heather Lad of Emerson; fourth to M. P. & S. E. Lantz on get of Black Monarch of Emerson. Produce of cow—First to M. P. & S. E. Lantz on produce of Springfield Zara; second to E. T. Davis on produce of Dandy of Langshott; third to W. A. McHenry on produce of Coquette McHenry 4th; fourth to C. J. Martin on produce of Blackbird 12th. Best ten head bred and owned by one exhibitor—To W. A. McHenry. This award carries a silver water set valued at \$50, donated by the Cady & Olmstead Jewelry Co., of Kansas City.

ABERDEEN-ANGUS, PURE-BRED.

Steer, spayed or martin heifer 2 years old and under 3—First to M. P. & S. E. Lantz on Mumford; second to W. B. Seeley on Black Beauty; third to W. J. Miller on Pompadore. Steer, spayed or martin heifer 1 year old and under 2—First to M. P. & S. E. Lantz on Heather Beau Plunkit; second to M. P. & S. E. Lantz on Frederic; third to W. B. Seeley on Dew Drop; fourth to W. J. Miller on Wellington of Home Dale. Steer, spayed or martin heifer under 1 year old—First to Parrish & Miller on Sunflower Advance; second to M. P. & S. E. Lantz on Syberian; third to C. J. Martin on Baronet; fourth to Edward J. Miller on Dutch Ladd. Best pure-bred steer, spayed or martin heifer, any age—To Parrish & Miller on Sunflower Advance (steer).

GRADE ABERDEEN-ANGUS.

Grade steer, spayed or martin heifer 2 years old and under 3—First to W. J. Miller on Metz Junk; second to W. B. Seeley on Black Beauty. Grade steer, spayed or martin heifer 1 year old and under 2—First to W. J. Miller on Victor; second to W. B. Seeley on Black Beauty 5th; third to W. J. Miller on Metz Hero. Grade steer, spayed or martin heifer under 1 year old—First to W. J. Miller on James Angus; second to Charles E. Sutton, Russell, Kans., on Rutger Laddie; third to W. B. Seeley on Black Beauty 6th. Best grade steer, spayed or martin heifer any age—To W. J. Miller on Metz Junk.

ABERDEEN-ANGUS CAR-LOTS.

Any age—First to W. C. White, Carrollton, Mo.; second to Charles Butler, Frankfort, Kans. Feeding 2 years old and under 3 (natives)—One entry, J. M. Millburn, Eldorado, Kans. Feeding 1 year old and under 2 (natives)—One entry, J. W. Millburn. Feeding under 1 year (natives)—First and second to W. D. Reynolds, Pattonsburg, Mo. Feeding 2 years old and under 3 (range bred)—First to Lucore Bros., Arriba, Col.; second to Thos. O'Toole, Banner, Kans. Feeding 1 year old and under 2 (range bred)—First to Lucore Bros.; second to Thos. O'Toole. Feeding under 1 year (range bred)—First and third to Thos. O'Toole; second to Chas. E. Sutton.

PRIZES AWARDED GALLOWAYS.

Aged bull—First to C. E. Clarke, St. Cloud, Minn., on Imp. Worthy 3d; second to C. N. Moody, Atlanta, Mo., on Mackenle of Kilquhanity; third to O. H. Swigart, Champaign, Ill., on Camp Follower of Stepford; fourth to J. E. Bales & Son, Stockport, Iowa, on Macdougall 4th of Tarbreoch; fifth to Brookside Farm Co., Fort Wayne, Ind., on Scottish Standard 1st; sixth to F. P. Wild, Cowgill, Mo., on Doctor of Wavertree. Bull 2 years old and under 3—First to G. W. Lindsey, Red Cloud, Neb., on Pat Ryan of Red Cloud; second to F. P. Wild on Graham of Avondale; third to Brookside Farm Co. on Two-in-One; fourth to J. E. Bales & Son on Peerless 2d of Fairfield. Bull 1 year old and under 2—First to Brookside Farm Co. on Standard Challenger; second to F. P. Wild on Crofter of Wildwood; third to O. H. Swigart on Scottish Samson; fourth to C. E. Clarke on Carbonald; fifth to O. H. Swigart on Silver King. Bull under 1 year old—First to Brookside Farm Co. on Star of Brookside; second to C. E. Clarke on Mosstrooper 5th; third to C. E. Clarke on Black Druid 2d; fourth to O. H. Swigart on Pride's Druid; fifth to O. H. Swigart on Governor's Druid; sixth to C. E. Clarke on Flossie's King. Aged cow—First to C. E. Clarke on Favourite 18th of Lochankit; second to C. N. Moody on Paragon; third to O. H. Swigart on Norma 3d of Avondale; fourth to Brookside Farm Co. on Lady Harden 4th of Tarbreoch; fifth to Brookside Farm Co. on Bass's Queen Dido; sixth to C. N. Moody on Maggie 10th of Tarbreoch. Cow or heifer 2 years old and under 3—First to C. N. Moody on Evaline 2d of Avondale; second to O. H. Swigart on Druid's Pride; third to same on Imp. Lady Scott of Stepford; fourth to C. E. Clark on Carman of Meadow Lawn; fifth to same on Scottish Mist; sixth to Brookside Farm Co. on Bettie Miller 2d; seventh to J. E. Bales & Son on Mandie Wedholms. Heifer 1 year old and under 2—First to O. H. Swigart on King's Pride; second to Brookside Farm Co. on Scottish Empress; third to same on Adella of Brookside; fourth to O. H. Swigart on Lutie Lake 2d; fifth to C. E. Clark on Lady Harden of Meadow Lawn; sixth to F. P. Wild, Cowgill, Mo., on Grace of Wildwood. Heifer under 1 year—First to O. H. Swigart on Lutie Lake 3d; second to Brookside Farm Co. on Erma of Maples 2d; third to same on Madge Miller; fourth to C. N. Moody on Follow Moody; fifth to C. E. Clarke on Lady May 2d; sixth to F. P. Wild on Ethel of Wildwood. Senior champion male—To C. E. Clarke on Worthy 3d. Junior champion male—To Brookside Farm Co. on Star of Brookside. Senior Champion female—To C. N. Moody on Evaline 2d. Junior champion female—To O. H. Swigart on King's Pride. Best bull any age—To C. E. Clarke on Worthy 3d. Best cow or heifer any age—To C. N. Moody on Evaline 2d. Aged herds—First to C. E. Clarke on herd headed by Worthy 3d; second to C. N. Moody on herd headed by McKenzle of Kilquhanity; third to O. H. Swigart on herd headed by Camp Follower of Stepford; fourth to Brookside Farm Co. on herd headed by Scottish Standard 1st; fifth to J. E. Bales & Son on herd headed by McDougal 4th of Tarbreoch. Breeder's young herd—First to O. H. Swigart on herd headed by Scottish Sampson; second to Brookside Farm Co. on herd headed by Standard Challenger; third to C. E. Clarke on herd headed by Cardonald; fourth to C. N. Moody on



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herd headed by Francis McDougal; fifth to J. E. Bales & Son on Black Joe 3d. Four animals of either sex, any age, get of one sire—First and second to Brookside Farm Co.; third to C. E. Clarke; fourth to O. H. Swigart; fifth to C. N. Moody; sixth to J. E. Bales & Son. Produce of cow—First to O. H. Swigart on produce of Fride of Avondale; second to Brookside Farm Co. on produce of Adela of Flambon; third to C. E. Clarke; fourth to O. H. Swigart on produce of Edie of Durhamhill; fifth the same on produce of Ludt Lake. Best ten animals in the show bred and owned by exhibitor—To Brookside Farm Co. This award carries the silver water set valued at \$50 donated by Cady & Olmstead Jewelry Co., of Kansas City.

FAT STOCK.

Best grade steer over 18 months—First to O. H. Swigart on Hensol's Best; second to W. M. Brown, Carrollton, Mo., on Mr. Dooley. Best grade steer under 18 months—First to O. H. Swigart on Gambler; second to O. H. Swigart on Jamie.

GALLOWAY CAR-LOTS.

One year old and under 2 (range bred)—First to W. S. Markham, Lamar, Col.; second to B. Wagoner, McCracken, Kans.; third to C. H. Jackson, Jetmore, Kans.; fourth to B. Wagoner. Under 1 year (range bred)—First and third to Bean & Johnson, Carneiro, Kans.; second to George K. Lee, Burdette, Kans.; fourth to Leech & Cox, Meade, Kans. Two years old and under 3 (natives)—First to C. W. Webb, Cedarvale, Kans.; second to George Barber, Saffordville, Kans.

Horse Department.

PERCHERONS.

Stallion 4 years old and over—First to McLaughlin Bros. on Universe; second to McLaughlin Bros. on Edgar; third to J. Crouch & Son on American Boy. Stallion 3 years old and under 4—First to McLaughlin Bros. on Victor Hugo; second to J. Crouch & Son on Andras; third to McLaughlin Bros. on Tarquin. Stallion 2 years old and under 3—First to McLaughlin Bros. on Potache, second Mastie; third Farceur; also special prizes offered by Percheron Registry Co., in the same order. Stallion 1 year old and under 2—First to McLaughlin Bros. on Turoc; second to McLaughlin Bros. on Dooda; also special award by Percheron Registry Co. in same order. Group of four stallions get of one sire—To McLaughlin Bros. on First Potache, Farceur, Dooda, and Xemenes. Also won first prize offered by the Percheron Registry Co. Group of 5 stallions property of one exhibitor—First to McLaughlin Bros. on Univers, Victor Hugo, Edgar, Tarquin and Siebert; second to J. Crouch & Son on Gervaise, American Boy, Andreas, Dromd and Esnault. Special by Percheron Registry Co. to McLaughlin Bros., same group as above. Sweepstakes stallion any age—To McLaughlin Bros. on Univers. Special by Percheron Registry Co. to same. Best Percheron stallion in the show any age—Silver cup valued at \$300, donated by W. A. Rule, Kansas City, Mo., to McLaughlin Bros., on Univers.

BELGIAN DRAFT STALLIONS.

Stallion 3 years old and under 4—First to McLaughlin Bros. on Fortin; second to J. Crouch & Son on Barnum De Mammells; third to McLaughlin Bros. on Arthur. Besides the regular prizes, special prizes were awarded by the Belgian Registry Co. in the same order. Stallion 2 years old and under 3—First to J. Crouch & Son on Adora. Sweepstakes stallion any age—To J. Crouch & Son on Carnot; reserve champion to J. Crouch & Son on Adore. Group of five stallions, property of one exhibitor—First to J. Crouch & Son on Trappiste, Carnot, Solomon, Adore and Barnum De Mammells; second to McLaughlin Bros. on Omar, Arthur, Sortin and Jean Jean. Special by American Association of Importers and Breeders of Belgian Draft Horses—To J. Crouch & Son on same group as above. Group of four animals, get of one sire—To McLaughlin Bros. on Omar, Arthur, Lorder, and Jean Jean. Grand champion draft stallion, any age or breed—To McLaughlin Bros. on Univers, a Percheron; reserve champion to J. Crouch & Son on Carnot, a Belgian.

FRENCH COACH.

Group of three stallions, get of one sire—To McLaughlin Bros., on Artaebra, Beucenor, and Courtisan. Stallion 3 years old and under 4—First to McLaughlin Bros. on Beau Sire; second to same on Beausigneur; third to same on Bandit. Champion stallion, any age—To McLaughlin Bros. on Appropos; reserve champion to McLaughlin Bros. on Beau Sire. Champion Coach stallion, any age or breed—McLaughlin Bros.

GERMAN COACH.

Stallion 4 years old and over—First to J. Crouch & Son on Euto; second to same on Hannibal; third to same on Fargo. Stallion 3 years old and under 4—First to J. Crouch & Son on Primas; second to same on Adde; third to same on Jimmy. Stallion 2 years old and under 3—First and second to J. Crouch & Son on Furtus and Scharnhorst respectively. Champion stallion any age—To J. Crouch & Son on Euto; reserve champion to J. Crouch & Son on Primaus.

SHIRES.

Group of five stallions, property of one exhibitor—To Watson, Wood Bros. & Kelley, Lincoln, Neb., on Nallstone, Royal Rock, Royal Duke, Nallstone Modern Type, Handyman, and Nallstone Leader. Stallion 3 years old and under 4—First to Watson, Wood Bros. & Kelley on Modern Type; second to same on Handyman.

Stallion 2 years old and under 3—First to Watson, Woods Bros. & Kelly on Nallstone Leader; second to same on Hydro. Sweepstakes reserve, any age—To Watson, Woods Bros. & Kelley on Nallstone Modern Type; reserve champion to same on Royal Rock.

Mule Department.

Best mule 3 years old and over—First to W. D. Best, Smithville, Mo., on Porter; second to Sparks Bros., Kansas City, Mo., on Betsy; third to Sparks Bros. on Annie. Best pair mules 3 years old and over—First to Sparks Bros. on Betsy and Annie; second to W. D. Best on Porter and Sadie; third to Roy Cottingham on Bess and Folk. Best mule, any age—To W. A. Elgin, Platte City, Mo., on Topsy; reserve champion to same on Babe.

Swine Department.

DUROC-JERSEYS.

Boar 12 months old and under 24—First to McFarland Bros., Sedalia, Mo., on May Boy; second to Samuelson Bros., Cleburne, Kans., on Roosevelt 2d; third to Duffy & Son, Parnell, Mo., on Banner Chief. Boar 6 months old and under 12—First to G. W. Harned, Pettis County, Mo., on Lone Jack; second to E. B. Davis, Fairview, Kans., on Royal Duke; third to Thos. Nelson & Son, Clay Center, Neb., on Red Harry. Boar under 6 months old—First to W. W. Wilcox, Nevada, Mo., on W. J. B.; second to W. H. Kemp, Lookout, Mo., on (no name given); third to George Briggs & Son, Clay Center, Neb., on Ray's Choice. Sow 2 years old and over—First to J. B. Davis on Shamrock. Sow 2 years old and over—First to McFarland Bros. on Windsor. Sow 12 months old and under 24—First to McFarland Bros. on Grace McFarland; second to McFarland Bros. on Nellie Wonder 2d; third to McFarland Bros. on May W. Sow under 6 months—First to McFarland Bros.; second and third to A. H. Kemp. Sow 6 months old and under 12—First to B. W. Harned, Beaman, Mo., on Beatrice; second to same on Sallie Goodman; third to McFarland Bros. on Second Lady. Boar and three sows over 12 months—First, second, and third to McFarland Bros. Boar and three sows under 12 months—First to B. W. Harned; second to A. H. Kemp; third to Briggs Bros. Four pigs under 6 months old, produce of same sow—First to W. W. Wilcox, Nevada, Mo.; second to A. H. Kemp; third to Briggs & Son. Four swine, get of same boar, bred by exhibitor—First to B. W. Harned; second to McFarland Bros.; third to A. H. Kemp.

POLAND-CHINAS.

Boar 2 years old and over—To D. C. Blauer, Mt. Ayr, Iowa. Boar 12 months and under 24—First, second, and third to J. H. Saville & Son, Mt. Ayr, Iowa. Boar 6 months old and under 12—E. C. Blauer. Boar under 6 months—First, second and third to J. H. Saville & Son. Sow 12 months old and under 24—First, second, and third to G. H. Roberts. Sow 6 months old and under 12—G. H. Roberts. Sow under 6 months—First, second and third to G. H. Roberts. Boar and three sows over 12 months old—First, second, and third to G. H. Roberts. Boar and 3 sows under 12 months old—To E. C. Blauer. Champion boar, any age—To E. C. Blauer. Champion sow, any age—To G. H. Roberts.

American Royal Notes.

McLaughlin Bros. sold Selgbert, a Percheron stallion, to the Vernal Horse Association, Vernal, Utah, during the Royal. J. Crouch & Son, of Lafayette, Ind., won the reserve grand championship for draft stallion on their magnificent Carnot, a Belgian of remarkable quality. McDonald Bros., manufacturers of the Economy Pitless Scale, Pleasant Hill, Mo., had a very attractive exhibit of their scales on Genesee Street near the opening of the American Royal. This is the pioneer Pitless scale and has won a reputation second to none.

Mr. C. R. Thomas, secretary of the American Hereford Breeders' Association, has been appointed manager of the range cattle show to be made at the World's Fair grounds from November 7 to 12. Only pure-bred cattle will be entered in this show and those in car-lots.

Sunflower Advance is the name of the pure-bred Aberdeen-Angus steer calf that won first in his class and the grand championship over any Angus steer or heifer, any age, defeating the 2- and 3-year olds in the Angus section. He belongs to Parker Parrish & Miller, Hudson, Kans.

Miss Lou Goodwin, of Blue Rapids, Kans., was an exhibitor at the Royal and a purchaser at the Hereford sales. She is a breeder of Hereford cattle and Berkshire swine and is one of the two lady breeders of the State who have brought fame to the Hereford breed and to Kansas.

Experienced cattlemen say that there never was such an exhibit of high-grade feeding cattle as there was at the American Royal this year. The quality of the animals exhibited is the best the country produces. This applies to all breeds. Then the cattle were practically all in good flesh.

Watson, Wood Bros. & Kelley, of Lincoln, Neb., made a magnificent showing with their Shire horses which were the

center of a group of interested spectators at all hours of the day. As will be seen by our report of awards, they won a handsome string of ribbons including the sweepstakes stallion, any age, and the reserve championship.

Mr. W. E. Skinner, general manager of the International Live-Stock Show at Chicago, was an interested visitor at the American Royal. He expressed himself as very much pleased with the success of the Royal and the quality of exhibits to be seen here. He also states that the prospects for the International were never brighter and he predicts that the show of 1904 will be the greatest in its history.

Mr. Chas. E. Sutton, of Russell, Kans., has the satisfaction of having bred or exhibited all of the Angus cattle in the range cattle exhibit which won prizes. He is not only a prize-winner himself but bulls bred by him are the sires of all the other prize-winners shown at the Royal this year in the range cattle classes of Angus.

In the Percheron champion class for best stallion, any age, Univers, belonging to McLaughlin Bros., won the American Royal prize of \$100, the special championship prize of \$100 given by the Percheron Registry Company, the \$300 silver cup donated by W. A. Rule, of the National Bank of Commerce, and the grand champion prize of \$250 for the best draft stallion in the show.

Univers is the name of the greatest Percheron stallion now living. He belongs to McLaughlin Bros., of Kansas City and Columbus and won the grand champion prize at St. Louis and also at the American Royal. He was a revelation to even good judges of draft-horses and stood at the head of a herd of stallions in McLaughlin Bros.' stable such as could be duplicated in no place on earth.

Much of the satisfaction experienced by the newspaper fraternity who attended the American Royal this year was due to the efficient and courteous services rendered by Mr. John M. Hazelton, in charge of the publicity department of the American Royal. Every facility possible was offered to the press representatives and these courtesies were highly appreciated. Hazelton is evidently the right man in the right place.

On Saturday, Mr. Eugene Rust, general manager of the Kansas City Stock Yards Company, gave an informal luncheon to the representatives of the agricultural press at the Transit House. There is perhaps no harder-working class of men than these same quill-drivers and they are also good feeders. Circumstances compelled some of them to leave before this luncheon but it was much enjoyed by all who were able to attend.

Although not entered for prizes the Angora goat herd of C. P. Bailey & Son, San Jose, Cal., and Kansas City, was placed on exhibition immediately on its return from the World's Fair Show at St. Louis. Dr. Bailey had the satisfaction of winning a large number of the World's Fair prizes and at once shipped his Angoras, together with milch goats and some Persian fat-tailed sheep for exhibition at the Royal.

C. N. Moody's Galloway cow, Paragon, who won second prize in the World's Fair cattle show and first in her class at the Illinois State Fair, dropped a fine heifer calf on Tuesday morning. This calf was sired by McDougal 4th of Tarbreoch and was named Kansas City Royal. It has been a matter of remark that calves born in the show rings at the Royal have uniformly become show animals themselves and we predict no less for this youngster.

In the grand parade which was the climax of the greatest American Royal, Mr. Overton Harris, Harris, Mo., carried the magnificent \$600 cup, which was donated by Chas. W. Armour and named the Meadow Brook Special Prize. Behind this he carried an oil painting beautifully done which showed the heads of the two "American Beauties" which brought him so much credit in last year's Royal. This beautiful oil painting was made by Mrs. Col. Geo. Moore, of the Moore Chemical Company, Kansas City.

An interesting contest developed in the showing of coach-horses for the grand championship prize. The magnificent French Coach horse, Appropos, owned by McLaughlin Bros. was first and champion in his breed and the equally fine German Coach horse, Euto, belonging to J. Crouch & Son were brought together in this contest. It was a poser for the judges, who found that the merits of the two animals were so evenly balanced that they were unable to make a showing, so both were given the prize and the prize money was divided.

While the Berkshire swine had no provision made for them in the premium list of the Royal this year, a judge was appointed who passed upon the animals upon exhibition and gave every prize to G. G. Council, Vandalla, Ill., as follows: First, second, and third prizes were awarded him in the following classes:

Two-year-old boar; 1-year-old boar; boar under 12 months; 6-months pig; 2-year-old sow; 1-year-old sow; sow under 12 months; herd all ages. J. H. Soville, of Mt. Ayr, Iowa, officiated as judge.

A little ripple of excitement was produced in the midst of the cattle show by the receipt of a telegram from St. Louis announcing that the judges had pronounced the Shorthorn cow, Rowena, by Baron Bishop out of Lady Goodness 7th by the 8th Duke of Springdale, to be the best dual-purpose cow of all those exhibited at the World's Fair. This telegram created elation among the Shorthorn fraternity and it was announced that an attempt would be made to get Rowena from St. Louis to Kansas City in time for visitors at the Royal to see her before the close of the week.

The World's Fair live-stock show, through its chief and managers, awarded the contract of supplying the dip and disinfectants used on the grounds during

RHEUMATISM

Cured by Absorption

Magic Foot Drafts Draw Impurities From the Blood Through the Foot Pores, Removing Cause of Pain.

A DOLLAR PAIR FREE

On Approval if You Write at Once.

Don't suffer needlessly. Magic Foot Drafts cure such a large percentage of cases that the makers have decided to send them free on approval to every sufferer they can hear of. Send us your name to-day. Return mail will bring you a pair of the celebrated Drafts (the genuine), which have already cured so many cases considered incurable. If you are satisfied with the benefit received, send us one dollar. If not, send nothing. You decide.



Magic Foot Drafts are worn on the soles of the feet because both the circulation and the nervous systems are most easily reached there, but they cure Rheumatism to stay cured in every part of the body by removing the cause from the system. Our new illustrated book on rheumatism is sent free with the Drafts. Magic Foot Draft Co., F. F. 29 Oliver Bldg., Jackson, Mich. Write to-day.

the swine, sheep, goat and poultry shows, to the Moore Chemical and Manufacturing Company, of Kansas City who were given the exclusive contract over all competitors. They were also awarded the same contract at the American Royal and it was a matter of apparent satisfaction to all the exhibitors in both these great shows that this action had been taken by the managing boards as these dips and remedies are known to be efficient and the exhibitors claim to have no fear of contagion when they are properly used.

Last week we printed a picture of the World's Fair prize-winning sow, Doty 37472, who won first in class, senior championship, and sweepstakes for all ages in the Duroc-Jersey sow exhibit at the World's Fair. She was sold to Marshall Bros., at Burden, Kans., for \$700 in the auction sale, but at the ring side McFarland Bros. offered them \$100 for their bargain. Later this offer was raised to \$200 and the sow was resold to McFarland Bros., her breeder and former owner. This transaction makes this the highest priced Duroc-Jersey sow of which we have any record and shows the class of swine that Marshall Bros. are in the market for.

G. G. Council, Vandalla, Ill., who brought to the show a large herd of pedigreed Berkshires, reports the following private sales: Boar and sow to J. R. Johnson, Tallahassee, Florida, \$100 each; boar and sow to J. T. Watts, Greenville, Ala., same; boar to H. F. and W. A. Boyle, Hennepin, Ill., \$100; boar pig to Max Meyer, of Jonesboro, Ark., for \$50; sow pig to George McAdams, Holton, Kans., \$75; two July pigs to J. H. Walker, Lathrop, Mo., \$50; same to C. R. Squires, Tescott, Kans., \$75; sow, Combination Empress, to Professor Carlisle, Port Huron, Col., college, \$200; three pigs to W. H. Baker, Slater, Mo., \$100; boar pig to E. O. Sutton, Canton, Mo., \$100; four sow pigs to J. H. Levi, Missouri City, Mo., \$200.

Between the cattle barn and the show tent on the one hand and the swine and sheep barns on the other, the street was lined on both sides with a series of booths occupied by various people with various things to show the public. This was facetiously termed the "pike," although it had nothing of pike characteristics. Outside the entrance to the grounds a number of exhibitors had erected booths for the display of farm scales, gasoline engines and such like. The largest and most attractive of these exhibits, perhaps, was that made by the John Deere Plow Company who showed in a large tent their "fool proof" gasoline engine, the Sharpless tubular cream separator and their manure spreader in operation. It was a good showing of good goods.

W. A. Morgan, of Dodge City, Kans., who is one of the judges in the registered cattle department of the American Royal Show this week, is one of the best-known cattlemen in Ford County, which is in the center of one of the greatest grazing districts in Kansas. "Heavy shipments of cattle have been made from that county during the past few weeks," said Mr. Morgan, "and this big run is still going on. A large acreage of wheat has been sown there, and the fields now look green and will make a great deal of winter pasture. But the cattle-owners do not care to hold over any very large number of their herds, although the prices are not up to their expectation. They reason that next year may be no better, and with another crop coming on they will be taking chances in holding them over."

Prof. R. J. Kinzer, accompanied by twenty-one students in animal husbandry from the State Agricultural College at Manhattan, spent a number of very pleasant and profitable days at the American Royal where the exhibitors gave them every facility for testing their skill as judges. They were especially grateful to Mr. Wm. McLaughlin, of McLaughlin Bros., who permitted them to handle and judge his World's Fair prize-winners. Their thanks are also due to Mr. W. H. Curtice, of Eminence, Ky., who allowed them to lead out his splendid string of Beau Donald helpers. A trip of this kind is worth months of instruc-

tion in school, and years of the hap-haz-ard methods of gaining knowledge in the world at large. It is to be hoped that the professor and his boys will be able to again be present at the great International Show at Chicago.

Some time ago, McLaughlin Bros., of Kansas City, sold a Percheron horse to Chas. Morrison and some of his neighbors at Phillipsburg, Kans. The horse did not prove to be a satisfactory breeder and under the guarantee which they had received from McLaughlin Bros. they returned him, and during the week of the American Royal they were given choice of any stallion in the stables, excepting the World's Fair prize-winners, to take home with them in place of the one returned. After careful inspection of the horses they selected a splendid black Percheron named Fantassin, who had not been specially prepared for the show ring and hence was in the pink of breeding condition. We predict that this horse will give a great deal of satisfaction to the farmers in the vicinity of Phillipsburg, who are said to possess a superior class of mares.

Two Kansas breeders of Chester White hogs were present with their sale herds and at their request Mr. G. G. Council, the big Berkshire breeder of Vandalia, Ill., acted as judge and made the following awards:

Sow 12 months and under 18—First, second and third to Alvey Bros., Argentine, Kans.

Sow 6 months and under 12 months—First to Croco Bros., Olathe, Kans.; second to Alvey Bros.; third to Croco Bros.

Sow under 6 months—First to Croco Bros.; second and third to Alvey Bros.

Sweepstakes boar and sow—Alvey Bros. Boar and three sows over 12 months—First to Alvey Bros.; second to Croco Bros.

Boar and three sows under 12 months—First to Croco Bros.; second to Alvey Bros.

These are all pedigreed hogs, yet young and not as yet entered.

The representatives of the agricultural press who were present at the American Royal during the week are here named: W. R. Goodwin, W. M. Lambing, R. F. Hildebrand, and DeWitt C. Wing of the Breeders Gazette, Chicago.

C. P. Reynolds of the Daily Drivers Journal, Chicago.

James Atkinson, Walter Mitchell and F. D. Tomson, of the Iowa Homestead, Des Moines, Iowa.

H. C. McKelvie, of the Journal Stockman, South Omaha, Neb.

H. A. Heath, L. M. Nellis, I. D. Gra-

breeding. The general average of the sale was \$34. The average of the boar sale was \$46 and of the sow sale \$32.68.

M. S. Babcock Sale.

The public sale of M. S. Babcock, consisting of eleven head of thoroughbred and fourteen grade Jerseys and a small number of Poland-China hogs, was held in Nortonville, Kans., Monday, October 24. The sale was held on his farm, which joins the city of Nortonville on the north. Mr. Babcock has just completed what is probably the finest private sale pavilion in the State, he having constructed it solely for the purpose of the annual sales which he expects to have each year. The pavilion is of goodly size, solid cement floor, with a good-sized, substantial ring in the center for the stock, with pens built around on the outside of the ring and tiers of seats above these. The sale was conducted by Col. Jas. W. Sparks, Marshall, Mo., and he was to have been assisted by Col. John Daum, of Nortonville, but owing to severe illness, Colonel Daum was unable to take his place in the ring. The day was quite unfavorable and for that reason the cattle did not show to the best advantage and neither did the people feel so much inclined to bid as if the weather conditions had been more favorable.

W. E. Brown, Cambridge, Kans., bought the most of the Jerseys. The other buyers were: R. A. Binkley, Potter; O. I. Langworthy, Nortonville; and F. O. Grubbs, Whiting, Kans.

The prices realized for the cattle were not nearly what they should have been, but the weather and the apparent slight demand for milch cows, accounted for the small prices realized. The Poland-China part of the sale was not up to standard. Owing to hog conditions generally and the slight demand by those who were present, the prices realized were not what they should have been.

The buyers were: John Ferris, Cummings, Kans.; John Johannes, C. S. Babcock, S. A. Thayer, J. A. Sayre, Frank Bates, and S. A. Ellerman, Nortonville, Kans.; James Mains, Okaloosa, Kans.; and W. H. Sanders, Cummings.

Owing to the exceptionally fine preparations that Mr. Babcock has made, his future sales will no doubt be much better attended.

Breeders' Combination Sale at Hope.

The Hereford breeders of Marion and Dickinson Counties will hold a breeders' combination sale at Hope on November 22, at which time twenty-seven bulls and twenty cows and helpers, select consign-

NEXT WEEK'S SWINE SALES.

- Monday, October 31. Wesley Sloan's premium Herefords, Ottawa, Kans. J. C. Simmons, Wellsville, manager.
- Tuesday, November 1. Duroc-Jersey boar sale, Meredith, Kans. John W. Jones, Route 3, Delphos, manager.
- Thursday, November 3. Poland-Chinas by Harry E. Lunt, Marshall Bros., and Geo. Wingert, Jr., Burden, Kans. J. F. Stodder, manager.
- Friday, November 4. Duroc-Jerseys by J. F. Stodder, Marshall Bros., at Burden, Kans. J. F. Stodder, manager.

ham, and E. B. Cowgill, of the Kansas Farmer, Topeka, Kans.

T. Butterworth and H. T. Butterworth, of the Live Stock Journal, Chicago.

H. O. Teller, of the Live Stock Report, Chicago.

Will F. Baum, of the Live Stock World, Chicago.

H. E. Heath, of the Nebraska Farmer, Omaha, Neb.

S. N. Spotts, of the Oklahoma Farmer, Guthrie, Okla.

D. W. Parker, of the Oklahoma Farm Journal, Oklahoma City, Okla.

John T. Wallace, H. M. Yoder, and H. P. Morrison, of Wallace's Farmer, Des Moines, Iowa.

T. F. Sturgess, J. T. Dunlap, S. R. McKelvie, E. R. McClellan, and A. F. Magdanz, of the Twentieth Century Farmer, Omaha, Neb.

F. T. McCoolgin, of the Live Stock Reporter, Fort Worth, Texas.

The American Royal Sale of Durocs.

The sale of Duroc-Jersey swine held at the American Royal on Thursday, October 20, under the auspices of the National Duroc-Jersey Record Association, was very poorly advertised and hence not as successful as the contributors expected. The sale was slow and dragged a good deal, the prices ranged low and one animal at least was driven from the ring without a bid. The animals offered in this sale were good ones and we believe that more Kansas breeders at least would have been glad to bid on them had the sale been advertised here. The consignors were C. Folgate, Stanberry, Mo.; L. Turner, Blue Springs, Mo.; McFarland Bros., Sedalia, Mo.; B. W. Harned, Beaman, Mo.; J. B. Davis, Fairview, Kans.; J. T. Duffy & Son, Parnell, Mo.; Geo. H. Baldwin, Mendon, Ill.; W. W. Wilcox, Nevada, Mo.; A. H. Kemp, Lookout, Mo.; Thomas Nelson & Son, Clay Center, Neb.; L. M. Strader, Parnell, Mo.; Nash & Kimmons, Pickering, Mo.

The purchasers were: Marshall Bros., Burden, Kans.; A. C. Manford, Tarkio, Mo.; G. I. Moyer, Severance, Kans.; J. B. Lynch, Independence, Mo.; J. F. Staadt, Ottawa, Kans.; C. O. Townsend, Rear, Mo.; Robt. Moody, Canadian, Texas; Geo. Kerr, Sabetha, Kans.; C. O. Towne, Nevada, Mo.; W. R. Kennedy, Hardin, Mo.; C. C. Kell & Son, Ladora, Iowa; A. O. Fox, Odessa, Mo.; W. H. Henderson, Paola, Kans.; A. R. Wright, Burlington, Kans.; Clarence Stahl, Springhill, Kans.; F. W. Baker, Malta, Mo.; W. C. Whitney, Agra, Kans.; C. C. Keiters, Ladora, Iowa; Geo. B. Wilham, Deepwater, Kans.; and D. D. Ritchie, Hale, Mo. The top of the sale was reached by the sow, Grace McFarland, bred by McFarland Bros., Pettis County, Mo., who was bought by Mr. Geo. Kerr, of Sabetha, Kans., for \$112.50. The top of the boar sale was brought by Shamrock bred by J. B. Davis, Fairview, Kans., and sold to C. C. Keiters, Ladora, Iowa, for \$92.50. This boar won first in class and championship over the winner of the championship at the World's Fair and went very cheap for his quality and

ments from the herds of A. L. Evers, Dillon; Will H. Rhodes, Tampa; Albert Dillon, Hope; C. F. McWilliam, Hope; and J. B. Shields, Lost Springs, will be offered.

On the day following, November 23, the Dickinson County Shorthorn Breeders' Association will sell twenty bull and thirty cows and helpers, choice selections from the herds of C. W. Taylor, Pearl; Harry Little, S. H. Lenhart, Geo. Channon, M. C. Hemenway, Hope; J. E. Landis, Abilene; D. Ballantyne, Herlington.

These breeders' combination sales will be held in the new sale pavilion which is to be completed in time for these two sales. In view of the fact that Hope, Dickinson County, is so centrally and conveniently located for a number of Hereford and Shorthorn cattle, as well as for several swine-breeding establishments, quite a number of sales are in contemplation to be held at this point, particulars of which will be announced in due time in the Kansas Farmer.

World's Fair Blood at Public Auction.

John W. Jones & Co., of R. F. D. No. 3, Delphos, Kans., offer 30 head of boars at their sale, November 1, direct descendants of the blood that won at this great fair in every class. In fact, as will be seen by their fine catalogue, this fancy herd is founded and built up with just the blood that won almost all prizes. Fancy Chief 24923, one of their herd boars, was sired by Ohio Chief 8727, a winner of first prize aged boar class. Fancy Kantbeatme 24921 was sired by Kantbeatme 10239, a winner of fourth prize in same class and first prize and sweepstakes in Ohio State Fair again this fall. A full brother to Kantbeatme's dam won third at St. Louis, second at Ohio State Fair, also a litter sister and a full sister to his dam won prizes in aged sow class and St. Louis, also first and second at Ohio State Fair. Fancy Jumbo 17163 was sired by the same sire and his dam was sired by the same sire as was the third prize boar at St. Louis in 18 months to 2 years class. High-class individuals, royal class. High-class individuals, royal class. High-class individuals, royal class. Free entertainment, free carriages to and from farm. Come or send a bid to Colonel Burger in our care. It will be treated fair. Write to-day. Address John W. Jones & Co., R. F. D. No. 3, Delphos, Kans.

F. E. Myers & Bro. Honored.

The World's Fair judges have awarded F. E. Myers & Bro., Ashland, Ohio, highest grand prize and gold medal for their famous line of pumps, hay tools, etc. This is only another proof of the fact that every one who knows the best "takes off his hat to the Myers."

World's Fair Awards.

"The Grand Prize," highest award in Louisiana Purchase Exposition, was given Whitman St. Louis Baling Presses, on both belt and horsepower.

The Whitman Balers are in use

FOR MAN OR BEAST **PENETRATES WONDERFULLY. ALL DEALERS**

SCIENTIFICALLY PREPARED

FOR HOME FACTORY OR FARM

SLOAN'S LINIMENT

THIS TIME TESTED FAMILY REMEDY

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BEST AND MOST CONVENIENT VACCINE FOR BLACK LEG.

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Vaccination with **BLACKLEGOIDS** is the best preventive of Blackleg—simplest, safest, surest. Each **BLACKLEGOID** (or pill) is a dose, and you can vaccinate in one minute with our **Blacklegoid Injector**.

Every lot tested on animals, before being marketed, to insure its purity and activity.

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throughout the world, and they claim the record of never having failed to receive the first prize in any country where in competition. They have received a very large number of medals in all countries.

Monitor Wins First Prize.

We have just received notice that the Monitor Double Disk Drill has been awarded a bronze medal, first prize, as a grain drill, at the St. Louis Exposition. We are glad to see so many Western manufacturers carrying off the highest honors at this great exposition. We have always been firm believers in "Western products" for "Western men." The decision of this jury of experts shows that these Western-made drills are second to none.

Gossip About Stock.

C. M. Garver & Son, Abilene, Kans., have just recently sold their heard boar Kansas Chief 28250, to M. O. Kilmer, McPherson, Kans. Kansas Chief is one of the noted sons of Chief Tecumseh 3d and was bred by S. McKelvie, Fairfield, Neb.

J. W. & J. C. Robison, Towanda, Kans., have recently purchased from C. D. McPherson, Fairfield, Iowa, and other leading breeders, fifteen Percheron mares, which include the first prize winners at the Iowa, Illinois, Indiana, and Michigan State Fairs this year, which Mr. Robison thinks makes Whitewater Falls Stock Farm the first Percheron horse establishment in America.

We call attention of Double Standard Polled Durham breeders to advertisement of D. C. Van Nice, of one bull for sale. Our readers will remember Mr. Van Nice's card of four bulls for sale last February. He not only had good sale for all of these bulls, but one intending purchaser who came too late to get one, when he saw the animals of the herd, purchased a 3-days-old bull calf to be delivered when 4 months old. The Kansas Farmer man who saw this herd then and again this fall, believes the bull

now for sale will make a herd bull equal to if not better than any of the four then sold.

The Clay, Robinson Company of Chicago, have sent us a little book that is of special interest to everybody interested in the live-stock business at this time. It sets forth in illustrated detail the facilities of this great commission firm for purchasing feeding cattle, sheep, and lambs on orders. The character of their incomparable service is clearly set forth in the booklet. It will be sent free to any of our readers who will request it and mention the Kansas Farmer.

Herman Arndt, Templin, Kans., held a very successful sale of Poland-Chinas last week. Forty-six head sold to buyers from the surrounding country and a few outside buyers from Eldorado, Manhattan, Eskridge, and Louisville. The average was \$20.25. The top price realized was \$75 for a March boar sired by Peerless Tom U. S. 33341, out of Tecumseh Whiteface 66746, which went to Christ Huber, Eldorado, Kans. Colonels Brady, Manhattan, and Bert Fisher, Topeka, were the auctioneers.

L. L. Vrooman, Hope, Kans., has added some new blood to his Duroc-Jersey herd of swine which will be of interest to his customers. He has lately bought Sneed's Gem 70302, the first-prize gilt at the Missouri State Fair, and Orion Girl 70938, who was one of the first-prize litters at the World's Fair, and who was sired by Orion 2d 28813 and out of Mable 70930. He is now supplied with a fine bunch of April, May and June pigs, that are now ready and for sale. His pigs are all healthy and in good condition and he has never had any contagion in his herd.

Since the World's Fair and the object lessons learned at the State fairs this fall, breeders of pure-bred and improved Chester White swine are reporting a lively and increased trade; and in this connection we call special attention to the new advertisement of the Nebraska herd of Improved Chester White swine owned by E. W. Brown, Shelby, Neb. Having sold his farm he proposes to close out the

(Continued on page 1070.)

The Young Folks

CONDUCTED BY RUTH COWGILL.

The Last Leaf.

I saw him once before,
As he passed by the door,
And again
The pavement stones resound,
As he totters o'er the ground
With his cane.

They say that in his prime,
Ere the pruning-knife of Time
Cut him down,
Not a better man was found
By the crier on his round
Through the town.

But now he walks the streets,
And he looks at all he meets
Sad and wan,
And he shakes his feeble head,
That it seems as if he said,
"They are gone."

The mossy marbles rest
On the lips that he has prest
In their bloom,
And the names he loved to hear
Have been carved for many a year
On the tomb.

My grandmamma has said—
Poor old lady, she is dead
Long ago—
That he had a Roman nose,
And his cheek was like a rose
In the snow.

But now his nose is thin
And it rests upon his chin
Like a staff,
And a crook is in his back,
And a melancholy crack
In his laugh.

I know it is a sin
For me to sit and grin
At him here;
But the old three-cornered hat
And the breeches, and all that
Are so queer.

And if I should live to be
The last leaf upon the tree
In the spring,
Let them smile, as I do now
At the old forsaken bough
Where I cling.

—Oliver Wendell Holmes.

Rhyming Word Game.

Some day when you want to stay indoors and enjoy ourselves, says an exchange, just try the rhyming game as a source of amusement. It has been found to be a very good bit of fun, and the following suggestions will show how to proceed:

Anna thinks of a word and then pronounces a different word that rhymes with it. Mary, in trying to guess the word that rhymes with it, but give a definition of them.

Anna: "I have thought of a word that rhymes with bun. Can you tell me what it is?"

Mary: "It is what is sometimes called sport, or merriment."

Anna: "No, it is not fun."

Mary: "It is a sort of firearm."

Anna: "No, it is not a gun."

Mary: "It is a religious woman who lives secluded."

Anna: "No, it is not a nun."

Mary: "It is the act of moving at a very swift pace."

Anna: "It is not a run."

Mary: "It is a play upon words."

Anna: "No, it is not pun."

Mary: "It is a word we often use to signify that a thing is finished."

Anna: "No, it is not a done."

Mary: "Well, it is the light that shines by day."

Anna: "It is the sun."

Mary then says: "I have thought of a word that rhymes with sane. Can you tell me what word I am thinking of?"

Anna: "Is it a native of Denmark?"

Mary: "No, it is not a Dane."

Anna: "Is it a stick sometimes carried in walking?"

Mary: "No, it is not a cane."

Anna: "Is it the long hair on the neck of a lion or a horse?"

Mary: "No, it is not a mane."

Anna: "Is it the ocean?"

Mary: "No, it is not the main."

Anna: "Is it the water falling from the clouds?"

Mary: "No, it is not rain."

Anna: "Is it something earned?"

Mary: "No, it is not gain."

Anna: "Is it a narrow road or passage?"

Mary: "No, it is not a lane."

Anna: "Is it a spot?"

Mary: "No, it is not a stain."

Anna: "Is it suffering?"

Mary: "No, it is not a pain."

Anna: "Is it a square of glass for a window?"

Mary: "Yes, it is a pane."

Now, any number can play this game, and the more there are the longer the game will last.

The one who suggests the word must have the privilege of inventing a new word for the rest of the guess.

Among the words that may be used in this game are the following: Cake, care, gate, day, dear, pie, fire, kite, or any others that you may think of. You must find a word to rhyme with each of these in order, and let the other player put their questions according to the form given.

The game of Dumb Crumbo is somewhat like the above, and somewhat like charades. The company is divided up into two sides. Side number one chooses a word which the other side is to act out, but, instead of being given the word, they are told something that it rhymes with. The other side then acts out some word that rhymes with the word given them and if it chances to be the one intended, all right; if not, they must try another word. When they hit upon the same word, it is then their time to give a word to the other side. It is like this. The first side chooses the word "fat." It rhymes with "at," they say. So the other side thinks maybe it is "cat." They all come in on all fours, mewing and yawling. "No," says the first side, "it is not cat." Then one of the other side jumps up and drives the cats all out. "No, it is not scat." They try various words, and at last some one comes in stuffed with pillows until he is a sight to behold. "Yes, it is fat."

After a little practice, more difficult words can be chosen and the acting may be as elaborate as the company pleases. The more ridiculous the acting, the funnier it is, of course.

Another game that is very interesting, though old, is "Clumps." The company is divided up again, and are sent into rooms that can be separated so that talking can not be heard from one to the other. Two delegates, one from each side, are chosen, who confer together, and decide upon some object which the others are to discover. Each then goes into the room of the other side, who immediately begin to ask questions of the delegate, who can only answer by "Yes," or "No." The side that first finds out the thing of which the delegates are thinking, immediately clap their hands, and are permitted to keep the delegate from the other side, and their own. The side which has the largest number of the players when the game is stopped, beats.

Nature's Free Gift.

Many of the greatest gifts of Nature are free. Think, for instance, of that great gift, water. By its power, when harnessed, it moves the great ships of commerce which carry annually millions of tons of labor's products all over the world. Its power drives the sturdy engine and numerous cars of freight into every neighborhood of our land, bringing to our doors news of the world and an exchange of its products. It is the medium by which nearly every mill and factory is operated. The soil is full of water and the grasses and trees and flowers are largely composed of it. The animal creation and man are over one-half water. In fact, without water, vegetation would die and the animal creation would follow. The winds would die down to a perfect calm and the earth would be parched and shrunken and cold. When you see the green fields of grain, remember that their color, beauty, and usefulness depend on water. So with every living thing from the lowest form of moss upward, and including man. The soft, fleecy clouds like giant flocks of distant sheep, the dark-hued and somber ones not unlike mighty mountain ranges with lofty peaks and dark valleys and precipices, projecting crags and steeples, are caused by water. See that great mountain. See those great trenches, and bare, clean boulders, promontories and headlands. Water did that! Rarely do we think when we see the clouds and the mountains and flowers and all the various things

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ABSOLUTELY PURE.

Lighter, sweeter, more palatable
and wholesome.

which possess life, that water did it. The grasses and grains and trees depend upon it, and animal creation in turn depends on them. Water is the dividing line between life and death; between beauty and desolation; between a world beautiful and glorious and one of dreary waste.

Clyde, Okla. L. A. WELD.

For the Little Ones

Look About You.

Did you ever see a pigeon hopping along the path?
Did you ever see a sparrow walk to his outdoor bath?
Did you ever see a pigeon's nest that had three eggs, or more?
Did you ever see a snow-white colt on any hill or shore?
Do you know what letter you may find on every leaf of clover?
I mean the little meadow kind that grows the whole world over.

Did you ever see two four-o'clocks were colored just the same?
Or two variegated flowers alike, of any size or name?
What animal sleeps standing? You may meet him in the street.
How many toes has pussy on all her little feet?
If you can tell me all these things—and I must confess I doubt you—
You may say you've learned the lesson well, to observe small things about you.

—Kate Lawrence, in the Youth's Companion.

The Wanderings of a Venturesome Katydid.

IV.

The katydid had no time to feel sad at the way in which the beautiful butterfly left him, for he heard, just then, soft, swift footfalls in the grass which stopped suddenly beside him.

"Lookout," he said, sharply. "You almost stepped on my toe." Then, looking up for the first time, he saw what it was to which he had spoken so rudely. It looked very large to him, and it stood up just as straight and stiff as anything cold. It had long, soft ears, and big, soft eyes, and it was covered all over with gray soft fur. Now do you know what it was? Well, the katydid did not; so he said, more politely, "Pray, tell me what is your name?"

"Oh, I can't now—Run for your life!" and the big thing bounded off swiftly and lightly as a bird, only that it used four feet, instead of wings.

The Thing stopped at last, and hid behind some tall, thick-growing grass, and the katydid spread his wings and followed him. When he reached the spot, the Thing was crouched down on all four feet, its bright, timid eyes wide open and watching.

"Please tell me what your name is," begged the katydid again. "And what were you so afraid of?"

"My name is Rabbit," said the Thing. "And I was afraid of a man."

"Your name is Rapid, is it?" said the Katydid. "Well, it is a pretty good name for you, for you certainly are rapid when you get started. But why should you be afraid of a man? I'm not, and I'm much smaller than you."

"Well, if you knew as much about men as I do, you would be afraid. If you had seen your mother killed by a man, and if you had been chased by a man's dog, and if you had seen your children eaten up by a man's cat, why I rather guess you would not feel so bold."

"Dear me!" said the katydid. "Is this true? Well, you see, I have no brothers, and I am too young to have any children, and I don't believe the

dogs could catch me, for I have wings you know. Well, I am truly sorry for you. But where are you going?"

"I am going to get my warm home ready for winter. Don't you feel the cold in that wind?"

"Yes—yes, I do," said the katydid, thoughtfully as he crawled away.

First thing he knew he had come upon a little mound, where a thousand tiny silent creatures were working busily.

"Hello, here, what's this!" he said.

But every one was too busy to answer him. They were running about, carrying big loads of clay and sand and food.

Presently, as the katydid watched them, one of his cousins, a grasshopper, alighted near him.

The Ants are busy getting ready for winter, I see," said the grasshopper, pleasantly.

"Yes, yes," said the katydid, thoughtfully, and he took to his wings and fled away.

As he flew along, he brushed against some leaves. They were dry and brown.

"Ah," he said. "I see the trees are getting ready for their winter nap, also."

He crawled up and down and around the limb of a tree and finally said to himself, "Yes—yes, I feel the winter coming. I must find me a place to sleep when the snows come and the icy winds blow." And he flew hastily away. But where he went, or how he slept I do not know. Do you? At any rate, that was the end of the wanderings of that venturesome katydid. (The End.)

A Chalk Race.

Here is a novel pastime for our girl readers, although there is no reason why the boys should not play it, too. It is a chalk race. That sounds as if it might be exciting, does it not? Well, so it is, and the beauty of it is that two or any larger number can join in—that is, as many as can find bits of chalk or anything else which will make a mark on a stone pavement. Each girl arms herself with a piece of chalk and stands at the starting line, with her back toward the finish line, which may be any distance away, although sixty feet is quite far enough for an ordinary race. At the starter's signal the racers are off, each girl placing her chalk on the starting line and drawing a circle. This circle may be as large or as small as the racer pleases, but it must be a complete circle; there must be no gap in it. Now the racer draws another circle, beginning at the farther edge of the first, and joining that, a third circle, and so on, taking a step backward each time until the finish line is reached. The first one to draw a circle, one edge of which touches the finish line, wins the race provided her other circles form an unbroken chain to the starting line. If one of a racer's circles should be separate from another and not touch it all, that girl is out of the race, although the circles may overlap as much as you please. Some may like to make a lot of small circles, for they can be drawn very quickly, while others prefer large circles because one covers so much ground. Whichever method you try, you will find that it takes quickness, good judgment and a steady hand to win. Try it; you will find a chalk race lots of fun.—N. Y. Mail.

The Home Circle
CONDUCTED BY RUTH COWGILL.

The Chambered Nautilus.

This is the ship of pearl, which, poets feign,
Sails the unshadowed main—
The venturous bark that flings
On the sweet summer wind its purpled wings
In gulfs enchanted, where the siren sings,
And coral reefs lie bare,
Where the cold sea-maids rise to sun
Their streaming hair.

Its webs of living gauze no more unfurl;
Wrecked is the ship of pearl!
And every chambered cell,
Where its dim dreaming life was wont to dwell
As the frail tenant shaped his growing shell,
Before thee lies revealed—
Its irised ceiling rent, its sunless crypt unsealed!

Year after year beheld the silent toll
That spread his lustrous coil;
Still, as the spiral grew,
He left the past year's dwelling for the new
Stole with soft steps its shining archway through,
BUILT UP ITS IDLE DOOR,
Stretched in his last-found home, and
Knew the old no more.

Thanks for the heavenly message brought
By this
Child of the wandering sea,
Cast from her lap, forlorn!
From thy dead lips a clearer note is born,
Than ever Triton blew from wreathed horn!
While on mine ear it rings
Through the deep caves of thought I hear
A voice that sings:

Build thee more stately mansions, O my soul,
As the swift seasons roll!
Leave thy low-vaulted past!
Let each new temple, nobler than the last,
Shut thee from heaven with a dome more vast,
Till thou at length art free,
Leaving thine outgrown shell by life's
Unresting sea!

—Oliver Wendell Holmes.

Stay on the Farm.

(By request.)

Once in my fair, far morning years
I lived on a farmstead old;
But I longed for the glad, mad world out-
side,
And its mysteries untold.
"Glory is there," I told myself,
"Aye, glory is there and gold."

So I broke away from the farmstead
gray,
Went into the world outside,
And battled through many a baleful day;
But my hopes are still denied.
Aye, still denied, tho' I'm old and spent,
And the sun hangs low in the firmament.

Once I was a boy in that fair, brave time
That seems like a dream to-day—
Like the dream of a star in its orbit far
Where the gods in their glory stay,
But I saw it again as of old last night,
In a vision that thrilled me with rapt de-
light.

I stood entranced in a land of morn,
The sun with a won-drous light
Looked down and glanced over hills of
corn,
With valleys to left and right.
And there were the old Ohio hills,
The waving woods and rippling rills,
All—all as I left them years ago,
Ere I knew the world as now I know.

I'll wander back to the old, old farm;
But, calloused by care to-day,
I may find it has lost the subtle charm
It bore ere my hair was grey.
Ere my lips with the synic's scorn were
curled,
For the world—the cold and cruel world.

Ah, better for me had I learned in time
The lesson of blest content;
Instead of wasting my manhood's prime
On aims and efforts misspent.
Aye, better I'd stayed on the farm, I say,
Than to be the wreck that I am to-day.

—W. H. K.

A Child's Seriousness.

What we oftenest run athwart in the
child, and daily offend, is his serious-
ness. I should not be astonished if
this remark surprises more than one
reader, for there is, alas! an imper-
vious wall between the state of mind
of most adults and that of a child. We
do not take the child seriously. It is
assumed that what concerns him is in-
significant, that it is limited to certain
unimportant events, things in minia-
ture, which take place down where he
is, far from those heights where the
only things of consequence happen.
"That is childish, a bagatelle, a mere
nothing," we continually say.

O shortsighted creatures that we
are, dull of sense and narrow of vi-
sion! How with our heavy tread do
we crush the gracious blossoms of
that garden of God called the heart of
a child! We take ourselves seriously,
our affairs are the affairs of moment,
the child's are mere puerilities and
play. But we deceive ourselves. No
one is more serious than the child.

Not the merchant over his accounts,
the judge pronouncing sentence, the
sage in meditation, or the faithful at
prayer, is more serious than he. We
might even make a saying: Serious
as a child.

Listen to this story. It is an old
man's tale, but in the depths of his
heart he still felt his childish wounds.

"I had committed one of those faults
so natural to children and so little ma-
licious in intent, however grave. In
the presence of the family and some
friends I had been dealt with firmly,
as the offense merited, and in the face
of my fault, acknowledged and bitterly
regretted, I had burst into sobs. Then
I was sent away. As I closed the door,
still overwhelmed by what had hap-
pened, I heard behind me a great burst
of laughter. Then I fled and hid in
the farthest corner of the house, and
wept my little heart out, that laugh
had made me suffer so. From that
day I lost the naive confidence it is so
well to keep as long as we may; and
over and over again I asked myself
the question, 'Are big people, then, not
serious?'"

How many children could tell a like
story!—Charles Wagner, in *By the
Fireside*.

"Daybreak Everywhere."

FLORENCE SHAW KELLOGG, FAY, KANS.

"Out of the shadow of night,
The world rolls into light;
It is daybreak everywhere!"

The thought came to me as I
watched the morning light coming
grandly over the eastern hills. First
all the sky flushed "rosy-red," then
faded to a clear white light as the sun
drew nearer, then the hill tops were
touched with a warmer glow, creeping
gradually down to the valley below.
The matin song burst from throats of
birds and insects and day was born in
glory and brightness; born with a
glad benediction from on high, with a
holiness as in the first bright morn
when the "morning stars sang togeth-
er," and "Peace on earth" echoed
sweetly from hilltop to hilltop.

Man, the highest, best thought of
God, Theology tells us is the only blot
in this fair creation, but do we believe
it? Is this the message of the morn-
ing? this the thought to take with us
this sweet new day? No, oh, no! We
know man often walks with his feet
in the mire of greed and unrighteous-
ness, but we see his eyes lifted up-
ward and we feel he shall yet be all
he was intended to be.

"All instincts immature,
All purposes unsure,
All I can never be,
All men ignore in me,
This am I worth to God."

This God sees in each man. Because
He sees it, because He is "Our Fath-
er," and His eternal strength is ours
to draw upon, we shall each come to
our nature's best somewhere, some
time.

Whatever our discouragements may
be however great the suffering, the
morning is still rich with promise for
us each one—and for the world. "It is
daybreak everywhere." Fathers and
mothers are awakening to their re-
sponsibilities and a knowledge of the
greatness and the sacredness of the
charge given them, as never before,
spurred on by the noble few who dare
to be the advance guard in the world
of thought and action. They will not
let us slumber longer. It is time for
action, time to stand firmly for the
right everywhere, time to build up
character in all purity and holiness.

All the world is becoming better
because the individual is better. So-
ciety is purifying itself because of the
growing purity of individual men and
women. The false, pernicious double
standard of morals is being torn down
and the command "Be ye also perfect"
comes to-day with the same compell-
ing power to man as to woman. Chil-
dren are born of love, not lust, as the
brute in human nature gives place to
the angel and we grow in Godlikeness.

This is the message of the morn,
the benediction for which all the earth
waits. We enter the new day with
hearts strengthened by the larger
hope of brotherhood, feeling sure that
despite all sin and error, all suffering
and sorrow, each soul will keep un-

quenched the little spark of Divinity
that will kindle into a life-giving flame
when the hour strikes ariht. "It is
daybreak everywhere."

Probably He Would.

Aunt Jennie listened to a great
splashing and noisy outcries in the
bathroom across the entry.

"It must be great fun to bathe those
twin boys," she said, smiling to her-
self; then started suddenly at a shriek
that rent the air, followed by
"Tis, too! I tell you it's awful
cold!"

Laughter and jeers from the other
twin who was now dressed and ap-
parently jumping over chairs, came to
Aunt Jennie's ears, and when, later on,
Dick came prancing by her door, she
said:

"Dick, was that you making such a
noise in the bathroom?"

Dick was only conscious of one
noise, for he answered soberly,

"No, 'twath Hal. He thald the wa-
ter wath too cold"—Dick's scornful
emphasis, taken with his lisp, was
overpoweringly funny—"I believe Hal
would bawl if the water wath theald-
ing hot!" Mrs. H. MORTON.

Persons who are constantly prat-
ing of their trials and troubles imag-
ine that their acquaintances are inter-
ested in their tribulations. The re-
verse is the case, for the grumblers
soon become nuisances. They never
win confidence, for their discontent
breeds distrust and doubt, and, how-
ever clever they may naturally be, an
obtrusive self, with its train of likings
and dislikings, obscures their judg-
ment, and they take false views of
people and things. For this reason it
is almost a hopeless effort to show
them how little people generally care
about their grievances, for they have
thought about themselves so long and
so much that they can not conceive of
any other subject so interesting to the
rest of the world.

Club Department

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Mutual Improvement Club, Carbondale, Osage
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Give and Get Good Club, Berryton, Shawnee
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Woman's Literary Club, Osborne, Osborne County
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Woman's Club, Logan, Phillips County (1902).
Domestic Science Club, Osage Osage County (1888).
Ladies' Crescent Club, Tully, Rawlins County (1902).
Ladies' Social Society No. 1, Minneapolis, Ottawa
County (1888).
Chalitto Club, Highland Park, Shawnee County
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Cactus Club, Phillipsburg, Phillips County (1902).
Literatae Club, Ford, Ford County (1903).
Sabeian Club, Mission Center, Shawnee County,
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Star Valley Woman's Club, Iola, Allen County
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West Side Forestry Club, Topeka, Shawnee Coun-
ty, Route 8, (1903).
Fortnight Club, Grant Township, Reno County
(1903).
Progressive Society, Rosalia, Butler County (1903).
Pleasant Hour Club, Wakarusa Township, Dou-
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shall County (1902).
The Woman's Progressive Club, Anthony, Harper
County.
Taka Embroidery Club, Madison, Greenwood
County (1902).
[All communications for the Club Department
should be directed to Miss Ruth Cowgill, Editor Club
Department.]

**American Literature Program—No-
vember 10.—Oliver Wendell
Holmes.**

Roll call—Epigrammatic sayings of
Holmes.

- I. Holmes as a poet.
- II. Reading—the Chambered Nau-
tilus.
- III. Holmes as a humorist.
- IV. Reading, "The Last Leaf."
- V. The art of conversation.

By the above program it is intended
that the club shall become acquainted
with Dr. Holmes through his writings.
One of his biographers has said that
"his great charm is, after all, his own
personality. He really 'sees himself in
all he sees,' and he makes us feel that
we can not see too much of him."

The same author says: "I always
like to realize the kind of a man I have

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to deal with. It helps me to read his
books and to read them aright. I like
to feel the teacher at my elbow, espe-
cially this teacher; to look round and
find him near, with his grave, kind
face, his beautiful smile—his eye flash-
ing indignation at wrong, brightening
at generosity or heroism, and not in-
capable of shedding a manly tear over
human folly, weakness or misfortune."
It is in just this way that Holmes
must be studied. His life was simple
and uneventful in its outward course.



OLIVER WENDELL HOLMES.

He was born, he studied, practiced
medicine, taught, and died. Yet there
is nothing distinctive in that. The
same could be said of a thousand men.
Yet Holmes' personality is not com-
monplace, and he has preserved it for
us in his numerous and various writ-
ings. And whoever becomes ac-
quainted with him in this way acquires
a friend both witty, wise and compan-
ionable.

Holmes' writings abound in epi-
grams, neat little bits of wisdom or
fun done up in convenient packages.
Like this, for instance, "Put not your
trust in money, but put your money in
trust;" or, "Every real thought on ev-
ery real subject knocks the wind out
of somebody or other." Every one
who reads Holmes—as every member
of the club should do—will find many
sayings of this sort which she is glad
to remember for her response to roll
call.

The member who has the topic,
"Holmes as a Poet," should read much
of his verse, both grave and gay, and
should compare him with the other
two poets whom we have studied,
Longfellow and Whittier. She should
consider carefully whether he is, as
some one asserts, "of slighter intellec-
tual mold" than they. She should, in
short, characterize his poetry com-
pletely.

The reading that follows this paper
is to be a sort of illustration. "The

Chambered Nautilus," which appears in this issue at the head of the Home Circle page, is called his highest flight into the realm of inspired poetry. Some one has said that Holmes is too much of a critical thinker to be a great poet. After the reading of the poem, let the club discuss the foregoing paper, and the poem.

The third topic is equally interesting. There are as many styles of humor as there are kinds of people in the world. Some humor is broad, and some is subtle, and keen, some is tender, and some is sharp and cold. What is the peculiar character of Holmes' humor, and what bearing does it have upon our study of his character?

The reading of "The Last Leaf" is, like the second number on the program, to illustrate the paper that has gone before. If it is wished, a selection from his prose writings may be substituted for it.

The last paper is suggested by a reading of some of the Breakfast Table Series. "The Autocrat at the Breakfast Table," "The Professor at the Breakfast Table," "The Poet at the Breakfast Table," and "Over the Tea-Cups," are all simply conversations put in print. They are charming, and, more than that, they are illuminating—by which I mean that their flashes of wit, and sparkle of humor throw light upon his intellect, and bring into relief certain aspects of thought that one was quite unconscious of. It is the kind of conversation that is worth while. A paper written upon this subject, with Holmes as a prompter, will be a pleasure to prepare, and equally so to listen to.

The Elimination of Domestic Drudgery.

WRITTEN FOR THE NAUTILUS CLUB, BY MRS. H. E. WHITTEMORE.

I wonder why this subject was assigned to me or I to it. I suppose that the ladies who had it in charge thought that because the years of my life have been so many (I eliminate old, you see), I must have had experience in the line of domestic work (I have eliminated the word "drudgery," you see). Although I have had experience, I do not pretend to be an expert in housework; yet I have learned many things both from my own experience and the experience of others, and I am still a learner.

By domestic we mean anything that pertains to or is connected with the life of the home. Domestic peace, domestic happiness refer to a home that is harmonious, lovely, enjoyable. By domestic drudgery we mean the daily routine of work that is performed in the home, especially the hard, disagreeable part of it; and in this daily routine we women as housekeepers and home-makers are much concerned, for upon us rests the responsibility concerning it, whether domestic help is employed or not.

Wherever there are people there are homes of some sort and there is work of some kind to be performed. All over our land, on hilltops and in valleys, in hamlets and in cities, there are homes, the inmates of which must be fed and clothed. The material for this feeding and clothing must be earned and prepared for the sustenance and comfort of the families composing these homes; and this necessitates hard labor. When the only home that ever existed without this element in it was forfeited, God said, "In the sweat of thy brow shalt thou eat thy bread," and it has been so ever since, and always will be; for "the mouth of the Lord hath spoken it."

Since, then, we must labor, how may we eliminate the drudgery of it? In our algebras long ago was a rule for eliminating a quantity by substitution. I wonder how it would work with domestic drudgery. Anyway we can use a simple rule of arithmetic and subtract some things. In the first place if life is what we make it, may not our work be to us as we make it? Ruskin, whom we all love and love to quote, said, "It may be proved with much certainty that God intends no man to live in this world without work, but it seems no less evident that he intends every man to be happy in his work;

and although it was written 'in the sweat of thy brow,' it was never written, 'in the breaking of thy heart.'" Does not this thought encourage and help us as we perform our daily routine of work? We can do it cheerfully and even happily, when we remember

ical arrangement. When the time for recess came, at a word from the teacher the children rose from their seats, stood for a moment, then arranged themselves in order and marched out in a regular and quiet way. They were thus prepared for a joyous and



Suburban Residence of W. L. Bates, 1832 Park Avenue (Auburndale), Topeka, Kans.

Mr. W. L. Bates writes to the Kansas Farmer of his new home as follows: "After reading Mr. L. M. Wood's article on Farm Architecture, in which he describes a model farm house, I thought perhaps some of your readers would like to be shown how such a house would look when finished. I have just completed a home that with few exceptions, conforms to his interior plan. I send you a picture showing outside appearance. Mr. Wood states that such a house can be constructed for about \$3,500. My house is 39.6 by 40, with cellar 7.6 in the clear under the entire house. The contract price was \$3,947, which could be shaded somewhat by omitting to stain the shingles, having fewer than four flues and fewer than three sets of sliding doors, leaving out back stairs to second floor (which we think indispensable), and using D. S. instead of plate glass in lower front windows and front door. This price does not include heating, plumbing, mantles, or grates, which, if a hot-air furnace was installed, would cost \$500 more. Our house, being set up on a high foundation and the grounds graded up to it (the grading had not been finished when the picture was made) is the showiest house in the neighborhood and would be an ornament to any country place."

that it is for the loved ones in our homes that we have it to do. And doing it in love, it will be performed cheerfully and happily, thus taking away largely the drudgery of it; and, in deed, we do not think of it as drudgery at all.

There are methods of doing work that may be a help in its performance. No prescribed rule for each individual case can be given, for circumstances and conditions differ; but a few general suggestions may be given which may be a help in eliminating this quantity which we call drudgery. Thought and carefulness in everything will do much towards it, taking time to do all thoroughly and well and not in a haphazard way just for the sake of getting it done somehow.

Take time in the preparation for doing things. In baking or cooking have utensils and materials all right at hand before beginning. Then it can be accomplished quickly and deftly. I had a friend who was a tailoress. She was very quick and nice in her sewing. I heard her say once that the one of whom she learned her trade told her to take time in placing her needle and then to pull it through quickly. "Be sure you are right and then go ahead."

Order and cleanliness are very important factors in the elimination of drudgery. "Order is Heaven's first law," and "Cleanliness is next to godliness," are both old sayings and both should be practically emphasized in our housework. They have much to do in the smooth running of things. "Good order is the foundation of everything good;" and still another fine motto which comes under the head of order is, "Have a place for everything and everything in its place." Who has not lost time and patience in looking for an article which was wanted at once to use in the work, simply because it was kept in no particular place? Thoroughness and system serve to heighten the enjoyment in domestic labor. This is also true in other branches of industry. An incident in illustration was recently brought to my notice. During a visit to one of the grammar schools I saw the good effect of systematic, method-

happy time, and when recess was over, they entered the schoolroom in the same orderly way, prepared for renewed interest and enjoyment in their work. Whereas, if they had gone out in a disorderly, promiscuous manner, they would have had a rough and disagreeable time, possibly a broken bone, or at least some little accident. They would have been ill-prepared for study, and the day's work would have been drudgery for the teacher, and the effect on the children decidedly bad.

The same principle applies to housework. Take for instance the washing of dishes. If they are picked up in an orderly way and washed in the same manner, it often saves the breaking, or at least the nicking of them. The delicate dishes should be washed first, such as tumblers, then cups and saucers and china articles with handles. These being wiped dry, the silver and eating plates may be taken, and lastly the coarser ware and kettles and frying-pans, all made clean and put away in their proper places, so that no time or patience may be lost in finding them when wanted.

Another way of lessening the drudgery and increasing the enjoyment of the household work is to allow the members to share in the work, especially if no domestic help is employed. Children, if old enough, are delighted to help, and thus may receive a very important part of their education in doing useful work at home in company with their parents.

There are many things which, if observed, will lighten much the drudgery of domestic work. For instance, when breaking eggs have a plate or saucer ready to lay the shells on, and in stirring sauce or dipping milk, etc., put the spoon on a dish. This will keep the drippings from the shelf or table, which, if left to dry, will take time and labor in cleaning off; but if placed as I have suggested, the egg-shells are already picked up and are ready to be thrown out.

There are many devices that come to the housekeeper's mind which result in economy and save drudgery. For instance, I heard a lady say the other day that she took down her lace curtains for the summer, thereby sav-



Miss Rose Peterson, Secretary Parkdale Tennis Club, Chicago, from experience advises all young girls who have pains and sickness peculiar to their sex, to use Lydia E. Pinkham's Vegetable Compound.

How many beautiful young girls develop into worn, listless and hopeless women, simply because sufficient attention has not been paid to their physical development. No woman is exempt from physical weakness and periodic pain, and young girls just budding into womanhood should be carefully guided physically as well as morally. Another woman,

Miss Hannah E. Mershon, Collingswood, N.J., says:

"I thought I would write and tell you that, by following your kind advice, I feel like a new person. I was always thin and delicate, and so weak that I could hardly do anything. Menstruation was irregular.

"I tried a bottle of your Vegetable Compound and began to feel better right away. I continued its use, and am now well and strong, and menstruate regularly. I cannot say enough for what your medicine did for me." —\$5000 forfeit if original of above letter proving genuineness cannot be produced.

Lydia E. Pinkham's Vegetable Compound will cure any woman in the land who suffers from womb troubles, inflammation of the ovaries, and kidney troubles.

ing the wear and keeping them from accumulating dust and dirt.

Now about the kitchen, that very important room in the house—there may be a parlor, dining-room, and sleeping rooms, but there must be a kitchen, the place where food is concocted and cooked—the chemical laboratory, so to speak. It is no place for the accumulation of dirt. As much thought and care should be given to keeping this room clean and tidy as to any other. It should be so kept that it may not be an exponent of drudgery but of cleanliness and good order.

It is not many years since in many if not in most homes in New England the kitchen was the living room of the family. One such is still in my remembrance, and it was also typical of others. This particular kitchen was a large, well-lighted and pleasant room, kept scrupulously clean, neat as wax. A large fireplace on one side of the room had in winter a bright fire blazing from the wood on the iron andirons. A large hard-wood table with folding leaves was kept at once side of the room when not in use. The dining chairs were also of wood in that pretty old pattern, all placed against some part of the wall. There were also some easy chairs in different parts of the room, a table for knitting or sewing, and a small table on which was the large Bible. On the mantel over the fireplace were candlesticks holding home-made candles, the snuffers and snuffers-tray, and in winter the pretty-shaped Japanned-tin fruit-dish. Opening from this large room from the middle of one side was the front hall and the door into the cellar leading down under the front stairs. The cellar was under the whole house. It was all perfectly clean and light. In it, separated by a partition, was a little room in which were kept barrels of maple sugar and of apples. Vegetables and salt meats were kept in other parts of the cellar.

There was also a door opening from the kitchen into a passageway leading into the "south room," which was used

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when company came or at any time when it was needed. In this room was the tall clock and grandfather's desk. At the other end of the room on the same side was a door leading into the "north room" or parlor. At the end was the door opening into the buttry, and another leading into the grandparents' sleeping room, which also had a fireplace. The preparation for cooking was made in the large and light buttry, while the baking was done by the open fire in the tin baker or in the brick oven at one side of the fireplace. At meal time the table was moved into the middle of the room and was spread with a clean, white, home-spun linen tablecloth. The plates and steel knives and forks were laid around, and the food, ample but simple and good, was brought from the buttry. Breakfast and dinner usually consisting of potatoes and meat produced on the farm, the meat seasoned just right, then fine brown bread and wheat bread baked in the brick oven, and the excellent doughnuts, they, too, just right, and all made with thought and care. When the food was on the table, the chairs were placed around it and the family came and stood around the table while the blessing was asked upon the food. Then they were seated and partook of the meal. There was no appearance of drudgery in it all, no fluster and no bluster, but all was done in a regular and quiet way. And later, after the advent of cooking-stoves, does not the memory of such a kitchen, with its bright teakettle singing on the clean polished stove, bring to mind the sweet, cheery mother who presided over the home, always ready to receive with open arms the dear ones as they entered the door and welcoming all friends to its hospitality?

In these homes where there were daughters, each had her part to perform. I have heard my mother say that in her early home the different ones had each their separate work. But when the daughters went away to make other homes and help was needed, it was rendered in a very different way from that which is common now. The domestic helper was a part of the social life of the family. The girls were from good families themselves, and work was not considered menial. When the household work was finished for the day, the hired girl would take up the sewing or knitting for the family, and she felt an interest to accomplish all she could and all worked together. There seemed to be a common interest in it. I well remember such helpers, and remember them with respect and love. But there came a time when this state of things was changed. It seemed to come about gradually. Was it because such help became more scarce? Or was it because of machine work or the coming in of the families of foreigners who wished to labor for a livelihood? Or all of these reasons combined? Then, too, the factories were established and drew many of the former helpers from the kitchen as they thought they could get better pay, and the foreigners who wished to work took their places. Being of a different country, and different in language, customs, and religion, they could not take the place which the others had held in the family. On account of the construction of the railroads many of these came to our shores and became scattered over the country, and many of the girls worked in our kitchens. This seemed to be the beginning of the change from the previous idea concerning housework. And when, on account of the increasing demands of social life and attention to interests outside of the home, the housework came to be done more exclusively by persons hired to do it, the idea of drudgery in the kitchen became stronger.

These conditions have existed for many years until the problem of domestic work has become a serious one. It is being discussed by writers and thinkers everywhere. The tide seems to be turning towards older and simpler ways of living. Higher ideals are being sought out and wrought out for the kitchen. Much space is being taken up in papers and magazines by articles on domestic science and

domestic economy, and recently I saw an article on the "Educated American Drudge." We can only hope that this agitation will result in establishing higher ideals and truer ideas of work, when drudgery will be eliminated by: "Blending their soul's sublimest needs with tasks of every day."

A correspondent suggests that "if a notice of subjects" on the club programs prepared in these pages, "were given long enough beforehand, perhaps many denied the privilege of meeting with a sure-enough club might like to contribute through the FARMER."

I think this is a very good suggestion, and shall be delighted to receive papers on any of the topics given, whether it be in the American Literature, Household, or Kansas History Outlines. I hope that this same correspondent will follow out her own suggestion.

The club has been called the middle-aged woman's college. And as the value of the college course is not so much in the facts learned there, as in the contact with other minds, so in the club the benefit comes more from the discipline, the stirring-up of thought, the polishing of the intellect, and the training in self-possession and in the power of expression than it does from the mere study of books, though that is no mean thing.

I am very glad that the programs prepared and printed from week to week are proving helpful. Any suggestions about them will be very gratefully received, and any questions or requests for information about any of the topics will be answered to the very best of my ability.

"One of the most important ends to which a body of women can devote themselves is intellectual culture—the bringing of sweetness and light into our daily lives."—Olive Thorne Miller.

A Roadside Improvement Law.

EDITOR KANSAS FARMER:—Having lately moved from Douglas County, where we had a law compelling every landholder to trim his hedge and cut weeds and brush at least twice a year, I have often wondered, since locating in Riley County, why this is not a State law. One of the first things I did after moving here was to cut the hedge and clean the roadside of all weeds and brush; and since my first cleaning-up, which was done by hand, I have mowed the roadside (one mile) three times with a mower. This is a pleasure; and the many compliments I have received for the work have led me to believe that a great majority of the people of Kansas would favor a law of this kind. Some will say that such a law is unnecessary. In some neighborhoods this is the case, as they take as much pride in cleaning the roadside as they do in cleaning their corn. But from the fact that we have so many alien owners of land and some who do not care, it is necessary to give the road-supervisor the power to clean the roadside at the expense of the land, as is the case in Riley County.

I do not favor our present system of road-work any more than I would favor the old system of subscription schools. And when we hear a farmer begging of the road-supervisor for more time because of his crops, when his crops do not need the work, we know that this system will be changed. I believe there can be nothing done that would be of more benefit to the appearance of the State than a general cleaning up along the roadsides; it would add 100 per cent to the looks of this beautiful country. Riley County. R. A. WILLIS.

Poisoning Gophers.

I want to recommend carrots for gophers. I have better success with carrots and arsenic than with anything else, and now is a good time to put them out. I live on a creek and recently have found two runs. Five years ago they were everywhere. Lincoln County. M. W. McMANIS.

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GAS PIPE-LINES IN THE ROAD.

(Continued from page 1063.)

cided a case in which the owners of abutting lands, tore up a pipe-line. In deciding this case, the court used the following very plain language as reported in 14 Indiana App. 156:

"The easement for road-purposes which grants to the general public the right to pass and repass over a man's land does not carry with it a right to use it for other purposes not legitimately connected with the use of highways. The building of a pipe-line along a highway does not come within the uses for which highways were intended * * * *"

"It is evident, therefore, that the appellant company [the pipe-line company], although engaged in a public enterprise, had no right to appropriate private property without compensation. And it is no excuse to say that because it is engaged in such an enterprise and has expended large sums of money in putting in its plant and extending its pipe-lines, it can summarily enter upon the lands of another without right, and lay its lines, and thus acquire the right to maintain them. When it entered upon the lands of Matilda Harless without her permission, it was unlawful there, and she had a right not only to expel appellant's servants who were engaged in the unlawful work therefrom, but she had the right also to tear up and remove the pipes which they had placed upon her land. In order to do this, she might call to her assistance any person who might be willing to assist, and those thus assisting could incur no liability except they used unnecessary force or violence in doing the same."

It is to be borne in mind that a majority of the Kansas Supreme Court rendered a decision in the telephone case, a short review of which was given in the KANSAS FARMER of July 21, 1904, page 734, in which a doctrine of considerable variance to the above, and it seems to the editor at variance to equity and good sense, was upheld. We make this last remark the more confidently because in rendering the telephone decision the court reversed one of its former decisions and went counter to the long-established doctrines of this State regarding the rights of owners of lands abutting upon the highways. In view of this telephone decision, it will be wise to refrain from acts of violence in opposing the operations of gas companies, but it is to be hoped that our Supreme Court will again reverse itself when another case involving these rights shall come before it.

In presenting these views as to the law affecting rights in the matter inquired about we would not convey the impression that the land-owner should be captious or unreasonable in asserting his rights especially where such assertion may impede a worthy enterprise of public importance. The injunction to "agree with thine adversary" is good business advice, but in making agreements it is well to know what are the equities and what are one's rights in the case.

PINE RIDGE PERCHERONS.

On Tuesday, October 11, there occurred in Henry County, Iowa, near Salem, an event which speaks much for the prominence which has been attained by the farmer in the business world. The occasion referred to was the dedication of the biggest and best horse-barn in the United States, which has just been finished after two years of continuous work. The barn is owned by L. M. Hartley, breeder of Percheron and Franch Draft horses, Shropshire sheep and Poland-China swine. Our remark that the barn required two years in building may occasion some surprise, but when we state that it contains four hundred and thirty thousand feet of lumber and more hardware in the way of hinges, locks, etc., than are to be found in any hardware store in the city of Salem, it need not. It has been built exclusively for a horse-barn and is eighty feet wide and two hundred and seventy feet long.

It contains seventy-six box stalls, each twelve feet square and built of hickory timber two inches square. Each stall has both an inside and an outside slat door of 2 by 2 inch hickory and all the outer doors are also provided with sliding barn doors so arranged that they can all be closed or opened at once by the turning of a crank near the main entrance. In case of storm, the attendants, who have very commodious quarters in the barn, can close all the outer doors at once by simply turning the crank. A large party of friends and acquaintances were assembled at the barn by invitation on the date named, where they were plentifully supplied with eatables and were later entertained and instructed by the Hon. D. P. Stubs, Fairfield, Iowa, who placed his commendation upon the quality of the man and of the horses which has made such a barn possible. Mr. Hartley maintains about 125 to 150 Percheron horses on his farm at all times and they are of special interest to the visitor because of the fact that he has adopted a plan of breeding which has proved wonderfully successful when used by breeders of beef cattle. With Samson (6866) 27238 at the head of his herd he has practiced line-breeding until he now has a stable full of stallions that are simply wonderful for uniformity of type, size of bone and quality. Samson weighs 2,464 pounds. The same general practice obtains on this farm in the breeding of Shropshire sheep, of which there are always about 2,000 head.

The farm consists of 800 acres of plowed land, a part of which was formerly a large lake much infested by duck-hunters. By the laying down of over fifty miles of tiling on this farm, the owner has succeeded in draining the lake entirely and now has a farm of wonderful richness, which averaged him 110 bushels of corn per acre last year. On this place are maintained 200 pure-bred Poland-China hogs of the best of breeding and the place is interesting also because there are now 160 acres devoted to orchard, which is nine years old and which has never been cultivated, the owner's practice being to allow the orchard to grow up to weeds and grass until after the fruit is gathered, when he turns in a large number of sheep, who proceed at once to trample down the undergrowth into a mulch and to so enrich the orchard that it has outstripped those of his neighbors, both in growth and bearing, and has never had a borer in it.

Pine Ridge Stock Farm is probably the best-equipped farm in the State of Iowa. Every foot of the land is tillable soil and, aside from the orchard and about two hundred and fifty acres of corn, it is seeded down to a heavy growth of blue-grass and clover. In spite of the constant feeding of 2,000 sheep, 200 hogs, 150 horses, and a varying number of cattle, no impression seems to have been made upon the growth of the grass and a good crop of hay could be mown in almost any of the pastures.

There are now forty-five hundred feet of iron pipes connecting the various watering-troughs together, besides the fifty miles of drain-tile already mentioned upon this place. All these things have been rendered possible by the quality and type of Percheron horses raised by Mr. Hartley.

THE WORLD'S FAIR POULTRY SHOW.

Up to the year 1904, the largest poultry show ever made in the world was that held at the Crystal Palace in London in 1901, when 8,000 birds were on exhibition. The World's Fair Poultry Show which began Monday of this week will have 11,000 birds on exhibition, of which 9,000 are chickens and 2,000 are turkeys, ducks, geese, etc.

This exhibition will last until November 5 and will be of great importance to the country as showing what has been done in the development of an industry which now brings more than \$20,000,000 a year to each of several of the large poultry-producing States. In number of exhibitors Mis-



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Miscellany

What the Agricultural College Is, and Some Things that It Is Not.

ABSTRACT OF AN ADDRESS BY PROF. J. T. WILLARD, BEFORE THE SHAWNEE COUNTY HORTICULTURAL SOCIETY.

In responding to your request for an address on "The Agricultural College and Its Benefits to the State," I scarcely know what to say in view of the fact that an experience of nearly twenty-five years at the college gives me a knowledge of it upon which I might draw for many hours. In the brief time available I can, of course, not enter into detail.

Notwithstanding the freedom with which college catalogues have been circulated and the numerous articles written upon the institution, there is still much ignorance concerning it. There are many who think that nothing but farming is taught at the college; others who think that nothing but farming should be taught there; many who are surprised that we admit young ladies as students as well as young men; and many who think that the institution is supported entirely by the State. The college is attempting to occupy the field for which it was founded, and only that. As set forth in the act of 1862, donating lands for agricultural colleges * * * "the leading object shall be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts, in such manner as the Legislatures of the several States may respectively prescribe, in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions in life." From this it will be seen that the college was founded to teach not only agriculture but the mechanic arts and military tactics, and that it is to promote the liberal as well as the practical education of the industrial classes. It is the duty of the institution not only to teach the art of farming, which is not specially mentioned in the act, but to teach such branches of learning as are related to the industries. It is a college and in this capacity it must make its leading object the teaching of sciences which will enable one to understand and grapple with the practical problems of industrial life. As a college it has also to give the industrial classes a liberal education, by which we must understand is meant an education in topics that may not be of immediate application to the industries, but which apply more to the development of the character and general capacity of the student.

There are many things that the college is not founded for, upon which widespread misconception exists. There seem to be many who think that the officers of a State institution must meet the demands of any individual in the State for services that they are capable of performing, and perform these services free. The Agricultural College is willing to do anything in its power that will be of public benefit, even though brought to its

souri stands first with 1,100, while Canada will be a close second with 1,000 birds. The 11,000 birds on exhibition come from forty-one States and Territories and six foreign countries. The largest individual exhibitor will show 300 birds. There are 170 different kinds of chickens on exhibition, many of which are merely fancy varieties but the special feature of the show will be to make prominent the useful breeds. The large and commodious cattle-barns that were erected for the accommodation of the World's Fair horse, cattle and swine shows have been remodeled so as to accommodate the poultry display and they are very comfortably housed where they are within easy sight of the visitors. During the poultry show the American Poultry Association will hold a meeting and many poultry clubs will also meet, among them being the White Wyandotte Club, which numbers 1,200 members. Mr. T. E. Orr, of Beaver, Penn., is secretary of the American Poultry Association and also superintendent of the poultry show at the World's Fair. The exhibition includes the show of the Silver Wyandottes who won the world's egg-laying contest and one of the large barns will be devoted entirely to Bantams. Kansas will be represented by exhibits of various breeds and their winnings will be reported in the poultry department of the KANSAS FARMER.

THE ANTI-HORSETHIEF ASSOCIATION.

The Anti-Horsethief Association seems to be especially active. At the annual meeting of the Kansas Division, which was held at Iola on October 19 and 20, it was reported that more than 2,000 members had been added during the past year. About fifteen hundred members were in attendance at this meeting and it was voted that the next annual meeting should be held at Emporia. The officers elected for the ensuing year were as follows:

President, M. J. Randall, Mineral; vice-president, L. P. Ferguson, Paola; secretary-treasurer, G. J. McCarty, Valeda.

During the same two days the Missouri Division held its annual meeting at Joplin and voted to hold its next meeting at Mexico, Mo. Officers for the Missouri Division were elected as follows:

President, W. P. Weaver, Carl Junction; vice-president, Ben Staples, Granger; secretary-treasurer, J. A. Farley, Washington, Ark.

At the same time at which the above-named meetings were held the Oklahoma Division held its meeting at Guthrie. They voted to hold the next annual convention at Ada, I. T., and elected the following named officers:

President, James Kirkwood, Guthrie; vice-president, Benj. Young, Bristow; secretary, Chas. Listen, Edmond; treasurer, J. M. Littleton, Clifton. It is understood that this division has been separated from that of the Indian Territory.

The next annual meeting of the National Association will be held at Muscogee, I. T., the first Wednesday in October, 1905.

PILES

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attention by a private individual and the service is not one that is legally required of it; but when a service is of private interest only, a State institution is under no obligation whatever to perform it and the college officers are so busy with their required duties that, even if willing, they can seldom find time to give this gratuitous service. When such work as chemical analysis is desired for the benefit of an individual it is only right that he should pay for the time of the person detailed to do the work and for the materials used. As the State develops, the need is becoming more and more pressing for a public analyst to whom one may apply for chemical analyses of any kind under proper provisions established by law. As it is now, there is no person in the State of whom one may demand such work.

The Agricultural Experiment Station is a department of the college the purpose of which is frequently misunderstood. The Hatch fund of \$15,000 per annum, received from the United States, is for purposes of research to discover new facts and new relations among facts to be ascertained, and the knowledge distributed. It is no part of the duty of these stations to publish bulletins and reports that are merely collections of knowledge ascertained at other times and places. Valuable and proper as such collections are, their preparation belongs elsewhere. By collecting the work done on any single topic at several stations in the United States, it is obvious that a much better showing can be made than if one only is considered; and in judging the work of our experiment station, or any other, this must be borne in mind. It is our business to make investigations and experiments bearing upon the agriculture of this State, and to publish the results of such experiments that the farmers may be saved the expense of making them for themselves. It is of course proper at the same time to compare our results with those obtained elsewhere, but the publishing of matter merely for information, independent of research, at our station, is no part of our duty.

The Experiment Station, being located toward the eastern part of the State, does not in some respects meet the requirements of other parts of the State in so far as investigations involving climatic conditions are concerned. This difficulty has been met in part by the establishment of the Fort Hays Branch Station in Ellis County, where experiments applicable to regions of deficient rainfall can be more easily executed. The college also has an important sub-station at McPherson, which is operated in cooperation with the United States Department of Agriculture and is devoted to experiments with cereals. Doubtless, in the further development of the Experiment Station, work will be done in other parts of the State. These, however, must depend upon State appropriations largely, as permanent sub-stations can not legally be supported by any part of the Hatch fund. The Experiment Station has constantly a number of lines of work under investigation, the results of which are published in bulletins which are distributed free to all applicants. It must not be expected that a given farmer will be interested in all.

Under the provisions of the Act of 1862, the State of Kansas was entitled to 90,000 acres of United States lands and actually received 82,313.52 acres. This land was sold to excellent advantage and has provided an endowment of \$491,181, from which an income of about \$27,000 per annum is obtained. In 1890 Congress passed an act for the further endowment of agricultural colleges, by the provisions of which they are now receiving \$25,000 per annum. This money is a part of proceeds from the sale of public lands. In 1887 the Hatch Act was passed, establishing agricultural experiment stations in connection with land-grant colleges, and, in accordance with its provisions, our college is receiving from the United States by direct appropriation \$15,000 per annum. It will be seen, therefore, that the college receives from Federal sources about \$67,000 per annum.



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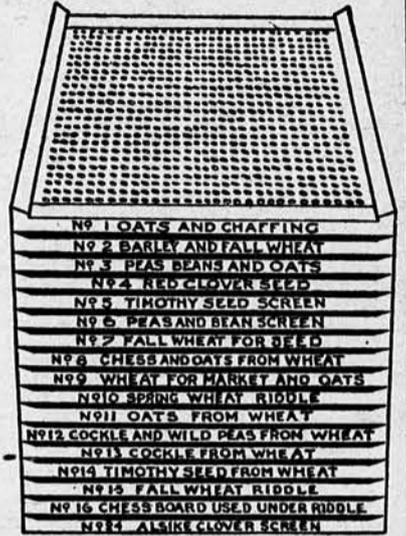
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- NO 17 ALSICE CLOVER SCREEN

This amount is supplemented by State appropriations. Under the terms of the organic act, the State is obliged to furnish all buildings, excepting that 5 per cent of the experiment station appropriation may be used for buildings or repairs. Until recent years, the State had made but little appropriation for anything but buildings, but with the very great increase in the number of students and the consequent necessity for a larger teaching force, the State has appropriated funds for special purposes, and for current expenses and equipment, amounting, last year, to about \$50,000. Although the State has thus responded liberally in the provision of funds for current expenses and the erection of buildings, this has not been in proportion to the increase in attendance. Within the last seven years the number of students has doubled, while the increase in the teaching force and the means to hire teachers has been much less.

In fulfilling its mission as a college, our institution now offers five four-year courses, viz., agriculture, domestic science, general science, mechanical engineering and electrical engineering. The agriculture and engineering courses are for young men, the domestic science for young women, and the general science for both. The first year in each of these is nearly identical, any difference being only such as are dictated by sex. All have certain studies, regardless of future course proposed. All young men get one term of agriculture, and three of shop work; all young women, one term of cooking and three of sewing. This first year's work is purposely made general in its character so as to give each student a basis upon which he or she can intelligently make a choice of course at the beginning of the second year. The majority of the students never get beyond the first year. Our arrangement insures that in any event a young man attending the agricultural college will have had at least one term of agriculture. Many boys just from the farm have seen only the drawbacks of farm life, and come to the college with no appreciation of its possibilities. The term in agriculture is designed to cause them to see this in a better light, to show the intellectual element in it, and thus to win them to rural life. The shop-work and drawing are useful to all and may serve to reveal to a boy a special talent for mechanical work. The sewing and cooking can not but be a benefit to every girl, no matter what her future course or work.

At the beginning of the second year the student makes choice from among

the four-year courses available, and I again insist that all of these are courses strictly within the purposes contemplated by the act endowing these institutions, even though all are not agricultural. Time does not permit entering into detailed discussion of each of them. The college catalogue may be had for the asking and contains full information. In general, the grand aim of all the courses is to give practice with principles, to teach why we do, how to do, and to do. More than ever before in the history of mankind, the people are realizing that education must be in one's work, not apart from it; it is not something to enable one to get above work, but rather to elevate labor so that it will be enjoyable. The educated person who can do nothing but teach other people in such a manner as to make them as helpees as himself, is not our ideal, but he who is by his education enabled to do more in the real grapple of mankind with nature.

Consistent with this object we find in all the courses, practical work with things constantly accompanying study about them. We have laboratory, field or shop work in botany, physics, chemistry, entomology, zoology, bacteriology, physiology, woodworking, blacksmithing, foundry, machine shop, horticulture, stock-judging, dairying, grain-judging, surveying, printing, cooking, sewing, laundering, etc.

There are those who think that we should teach only what they are pleased to classify as "practical" branches, to whom study of the sciences seems a waste of time. To such we say that education in the pure sciences is practical, when we allow to this word any proper scope of the meaning. Those ignorant of the sciences can not appreciate this; those conversant with them have no doubt of it. All material progress in the things which all recognize as practical, such as transportation, illumination, generation of power, telegraphy, telephony, etc., rests on progress in the pure sciences. Furthermore, pleasure in living, which is really the one aim of all, is greatly enhanced by an understanding of the processes of nature, industry and art, even if we do not convert this knowledge into a bread-winning weapon.

The college authorities recognize that, good as it is, there are many who can not take a four-year course. For such, short courses have been provided in farming, dairy farming, dairying and domestic science. The teaching in these courses, while no whit less accurate than in the others, is upon a different plane. Taking students without scientific or mathemat-

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ical training, the instruction must be more largely a giving of facts, without an elaboration of the underlying principles which the regular courses afford. The work is intensely practical. Studying such texts as any bright young man or woman can understand, receiving lectures of the same type, and putting into daily practice through industrial exercises the facts and principles learned in the classroom, the student can not but be greatly benefited. It is hoped, too, that in many cases young people who had thought that they could not afford a four-year course will, by this taste of the advantages and pleasures of an education, be led into the regular courses.

Finally, I wish to call attention to the general atmosphere of the college as one of industry where labor is not a stigma, where many a student earns his way through college, where students are kept so busy as to have little time for activity that is mischievous or worse. While we are patient and long-suffering with the one who can not do well but does his best, we do not tolerate the one who wastes his time and his parents' money, and interferes with the progress of those who are there to make the most of themselves.

Only the home can found a State.
—Joseph Cook.

The Stock Interest

THOROUGHBRED STOCK SALES.

Dates claimed only for sales which are advertised or are to be advertised in this paper.

October 28, 1904—Leon Calhoun, Potter, Kans., Poland-Chinas.

November 1, 1904—John W. Jones & Co., Delphos Kans., Duroc-Jersey swine.

November 8, 1904—H. E. Lunt, Burden, Kans., Poland-Chinas.

November 4, 1904—Shorthorns and Duroc-Jerseys, Burden, J. F. Storder, Manager.

November 5, 1904—Breeders' Combination sale, Poland-Chinas, Dubois, Neb., Christ Huber, Mgr.

November 10, 1904—M. O. Kilmer and C. Q. Drake, Moberly, Mo., Shorthorns and Poland-Chinas.

November 11, 1904—Combination sale of Poland-Chinas, H. N. Holdeman, Mgr. Girard, Kans.

November 17, 1904—Central Missouri Shorthorn Breeders Association Sale at Moberly, Mo. E. H. Hurt, Secy., Clifton Hill, Mo.

November 22, 1904—C. A. Stannard, Emporia, 100 Ber. sires.

November 22, 1904—Herefords, at Hope, Kans., Dickinson and Marion County breeders; Will H. Rhodes, Tampa, Kans., Manager.

November 23, 1904—Wm. Wales, Caborne, Kans., Poland-Chinas and Shorthorns.

November 23, 1904—Dickinson County Shorthorn Breeders' annual sale, Hope, Kans.; C. W. Taylor, Manager.

November 26, 1904—W. H. Ransom, Wichita, Kans., Shorthorns.

November 29, 1904—Holstein Friesian cattle at State Fair Grounds, Topeka, H. N. Holdeman, Girard, Kans.

November 29, 1904—American Galloway Breeders' Association, Chicago.

December 1, 1904—International Show and Sale by American Aberdeen-Angus Breeders Association, Chicago, Ill., W. C. McGavock, Manager.

December 6 and 7, 1904—Chas. W. Armour, Kansas City, and Jas. A. Funkhauser, Plattsburg, Mo., Herefords at Kansas City.

December 15, 1904—Combination sale of Percheron stallions and mares, Coach stallions, and Jacks and Jennets, at Ottawa, Kans., S. A. Pripps, Westphalia, Kans., Manager.

January 11, 12 and 13, 1905—Breeders' Combination Sale, Bloomington, Ill., Percheron and Shire horses and cattle.

January 20, 1905—Poland-Chinas at Girard, H. N. Holdeman.

January 31, 1905—S. H. Lenhart, Hope, Kansas, Poland-China bred sow sale.

January 25, 1905—G. A. Munson, Maxwell, Iowa, Duroc-Jerseys.

January 30, 1905—Geo. Kerr, Sabetha, Kansas, Duroc-Jerseys.

January 31, 1905—J. B. Davis, Fairview, Kansas, Duroc-Jerseys.

February 1, 2, 3, 4, 1905—Percherons, Shorthorns, Poland-Chinas, Wichita, Kans.; J. C. Robison, Topeka, Kans., Manager.

February 1, 1905—C. E. Pratt, Frankfort, Kansas, Duroc-Jerseys.

February 2, 1905—J. O. Hunt, Marysville, Kansas, Duroc-Jerseys.

February 3, 1905—Chester Thomas, Waterville, Kansas, Duroc-Jerseys.

February 4, 1905—W. F. Garrett, Portis, Kansas, Duroc-Jerseys.

February 5, 1905—Schmitz Bros., Alma, Kans., Poland-Chinas.

February 16 and 17, 1905—Chas. M. Johnston, Manager, Caldwell, Kans., Combination sale of registered stock.

February 21, 1905—John W. Jones & Co., Delphos, Kans., Duroc-Jersey bred sow sale.

February 22 and 23, 1905—Shorthorns and Poland-Chinas, N. F. Shaw, Manager, Plainville, Kans.

March 7, 1905—Jacks, Jennets and stallions at Limestone Valley Farm, Smithton, Mo., L. M. Mounes & Sons, proprietors.

The National Live-Stock Association.

EDITOR KANSAS FARMER:—Mr. Chas. F. Martin, secretary of this association, almost since its organization, died suddenly at Greeley, Col., on September 21, 1904, as a result of hemorrhage of the lungs.

At the time of his death, Mr. Martin was en route from Denver to Casper, Wyoming, on association business.

At a meeting of the board of control, held in Denver to consider the vacancy caused by the death of Mr. Martin, it was decided that no appointment would be made until the convening of the next annual convention which is to be held in Denver the week of January 9, 1905. The affairs of the association were placed under the active direction of a committee, consisting of Fred P. Johnson, George W. Ballantine, and George L. Goulding, of Denver, with H. E. Kennedy as clerk in charge of the secretary's office. Communications may be addressed to H. E. Kennedy, Clerk National Live Stock Association, Denver, Col.

The board of control is of the opinion that at the coming annual convention, steps should be taken looking to a partial reorganization of the association upon lines that will permit of more extensive and practical work than has heretofore been accomplished. The demand for an organization representing all of the various branches of the live-stock industry has become so strong, that at the coming convention an effort will be made to so amend the constitution and by-laws, as to make of this organization the strongest industrial association in the country.

The officers of the association have received assurances from prominent stockmen and others, of both moral and financial support, providing such action is taken at our coming convention as will put the association upon a broader and more conservative basis than has heretofore obtained. To secure this result, it will be neces-

sary to thoroughly revise our constitution and by-laws so as to better equalize the representation and provide a basis of active cooperation between the many allied interests that are connected with the industry.

The local committee in charge of headquarters will address you later and more in detail upon these plans. By order of the Board of Control, F. J. HAGENBARTH, President. H. E. KENNEDY, Clerk, Denver, Col.

See Dan Patch and the World's Fair.

Readers who intend to visit the great World's Fair at St. Louis during November will be pleased to know that the world's champion harness horse, Dan Patch 1:56 1/4, will give two of his marvelous speed exhibitions at the Delmar Race Track, which is directly opposite of the "Administration Entrance," of the World's Fair Ground. Dan's exhibition will be on November 5 and November 10, commencing at 2 p. m. This is the only chance to see the greatest fair in the world and the greatest horse in the world in one day.

It is nothing unusual for Dan Patch to draw 50,000 people to one of his wonderful performances and many of them travel for hundreds of miles. The American people are great admirers of genuine greatness and Dan Patch appeals to them, not only on account of being the fastest horse that ever lived, but also on account of his lovable disposition.

We have seen a photograph of him hitched to a sleigh and being driven by Harold Savage, the owner's 8-year-old son, and the sleigh was crowded with small boys and girls. It is a sight to be remembered for a life time to see Dan Patch pace one of his fast miles in a race with two thoroughbred running horses hitched to speed carts.

It is worth the small admission to see Dan stop in front of the grand stand and look at the people. This he always does and no driver can get him to move until he has a good look at the crowd. In scoring down for a start Dan always tells the driver when he is ready for the fast mile. Sometimes he will score down twice and sometimes three or four times, but when he is ready he sends word to the trainer by a different hold on the bit. You can see the King of Harness Horsedom at St. Louis on the afternoon of November 5 or the afternoon of November 10, for only fifty cents. Mr. M. W. Savage, Minneapolis, Minn., the owner of Dan, writes us that these two dates are the only dates on which Dan will appear at St. Louis.

Cost of Baby Beef.

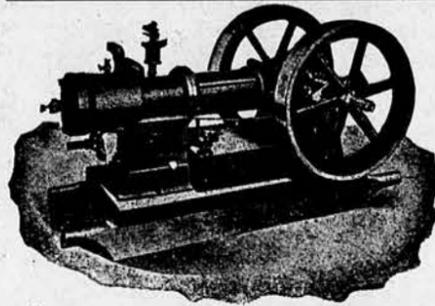
EDITOR KANSAS FARMER:—I was much interested in J. B. Sims' reply to A. W. Woody on cost of baby beef. I think his estimate of corn required is much too high. Last winter I put 400 pounds on high-grade Hereford calves, from November 1 to April 15, with 30 bushels of corn and 120 bushels of oil-meal per head. They had all the clover and prairie hay they wanted for roughness. The calves averaged about 12 months old when sold and the average weight was 818 pounds. WESLEY KNAUS. Wilson County.

The Veterinarian

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

Bone Spavin.—I have a sorrel mare 4 years old, which had a colt last spring. Now she has on her hind legs what is called bone spavin. These lumps are on the inside just below the hock joint. There is no swelling in the joint but on the inside there are small lumps the size of a half dollar.

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Agent,
Topeka, Kans.

The skin is loose on them; they are hard but tender on pressure. She is quite lame at times. When I turn her out or push her she raises her right hind foot and stands on three legs; the joint seems to pain her. Her kidneys seem to be out of order, but perhaps it is on account of the weakness in her hind leg. Do you think she can be made sound again? Does it hurt to work or drive her? Is there a Government bulletin explaining all about spavin? I have heard of firing spavins with a hot iron, but fear it would leave a scar. L. L. Montrose, Kans.

Answer.—At present we have no bulletins on bone spavin. I think your mare is in a pretty bad condition, but if you give her absolute rest from all work and give her the following treatment, you will find considerable improvement. She can never be absolutely cured, because we can not take the lump off the leg, and unless the lumps are off she would not be considered absolutely sound. However, I believe she can be helped very much so as to be less lame, and possibly may get entirely over her lameness. I would advise you to have the spavin fired, after which apply a fly blister over the spavin, the blister being made up of the following drugs: 1 ounce of biniodide of mercury, 1 ounce of pulverized cantharides, and 8 ounces of lard; mix thoroughly and rub in well, over the spavin. For the first two days after applying, keep the

horse's head tied up so she can not bite at the skin which is covered with the blister.

Swelling of Hock Joints.—I have a sorrel filly 7 months old that has had swellings at sides and back of both hock joints. They are quite soft. Her colt was weaned four weeks ago. I feed oats and alfalfa hay; also she runs on pasture. W. S. Tampa, Kans.

Answer.—Apply to the swellings the following liniment: Tincture of iodine 6 ounces, sulfuric ether 6 ounces, compound soap liniment 12 ounces, spirits of turpentine 6 ounces. Apply this liniment daily over these swellings with plenty of hand-rubbing. After it becomes sore, withhold the medicine for a few days, then begin again. C. L. BARNES.

Through Tourist Sleepers to California.

Rock Island Tourist Sleeping Cars are fully described in our folder, "Across the Continent in a Tourist Sleeper." Ask for a copy. It tells the whole story—describes the cars in detail; names the principal points of interest enroute; shows when cars leave Eastern points, and when they arrive in California. A. E. Cooper, D. P. A., Topeka, Kans.

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Horticulture

Coburn's Potato Report.

Secretary Coburn's report on "Potato-Production" contains much valuable information on every page. From the introduction we make the following excerpts:

"According to the year-books of the United States Department of Agriculture, Kansas ranks on an average about twelfth in production, although by the same authority in 1899 she was tenth, and in 1902 eleventh. For these years she ranked in area twelfth and thirteenth, respectively, and in aggregate value sixth and ninth. The average for the whole State in 1902 is given as 138 bushels per acre, outranking such notable potato-regions as New York, Pennsylvania, Ohio, Michigan, Illinois, Wisconsin, Minnesota, Maine, Colorado, Missouri, and Nebraska, and, in the same respect, likewise out-classed the majority of these States in 1899.

"The State's largest yield, according to the Kansas records, was 11,432,482 bushels, from 109,447 acres, in 1889, and the following table, compiled from the reports of the Board of Agriculture, giving the acres, product and value of Irish potatoes in Kansas for each one of the ten years, ending with 1903, suggests somewhat of this crop's importance:

Year.	Acres.	Bushels.	Value.
1894.....	100,610	4,995,181	\$ 3,123,993.69
1895.....	96,228	7,635,866	2,506,358.00
1896.....	108,383	7,778,097	2,138,297.55
1897.....	96,599	5,130,021	2,529,081.62
1898.....	88,080	6,060,447	2,622,562.28
1899.....	83,304	7,664,405	2,612,339.84
1900.....	99,096	7,141,806	2,685,297.95
1901.....	86,011	2,313,772	2,313,772.00
1902.....	60,618	2,193,632	3,136,856.71
1903.....	80,178	5,023,042	3,755,304.93

Totals for 10 years. 299,107 61,936,269 \$27,423,864.57

The portion of the State proven most admirably adapted to potatoes as a commercial crop is known as the Kaw Valley potato district, in Eastern Kansas, where large quantities are grown and shipped each year. In the main, this consists of sandy loam 'bottom-land,' two to six miles wide, adjacent to the Kaw or Kansas River.

"Early varieties for summer marketing are planted mostly, and of these the Early Ohio is by all odds the favorite, followed to a small extent by the Early Rose and Triumph, as named. The small proportion of late sorts planted are the Burbank and Peachblow. Even for winter use the early varieties are grown and left undisturbed in the ground until fall. While some home-grown stock is planted, Northern-grown seed is found best, and each year thousands of bushels are shipped in by planters and dealers, who buy from Minnesota and Eastern North Dakota, in the Red River Valley.

Kaw Valley potatoes find their market in all parts of the country; early in the season Chicago and Northern points claim many, and some go in the direction of New York and Pittsburg, but probably the bulk are sent South and Southwest, especially to Texas, and preferably sold at digging-time.

"The consensus of opinion of Kaw Valley growers reporting suggests that they consider in the neighborhood of 37 cents a bushel a fair price for potatoes on board the cars, and the range in the past ten years has been from about 14 cents to \$1.15 per bushel.

"A most interesting and suggestive fact is the possibility of profitably irrigating, in the more western counties, small areas for potatoes, and other vegetables as well, where underground waters are made available by wind or other power. Several correspondents have realized gratifying success by such means. By it the home demand in such territory may not only be supplied with certainty each year, but the markets of nearby cities and towns would offer for any surplus attractive inducements in prices, usually quite in excess of those realized by growers elsewhere.

"Sweet potatoes are likewise grown more or less in about four-fifths of the

counties; most extensively and successfully, however, in the valleys of the Kansas and Arkansas Rivers. The six counties of Pottawatomie, Riley, Wabunsee, Shawnee, Wyandottes and Sedgwick yield annually about one-half or more of the State's output, which in the past twenty years has varied from 779,783 bushels in 1889 to 212,468 bushels in 1897.

"A consensus of the detailed statements of forty representative growers, reporting from thirty-two different Kansas counties as to the cost to produce and market an acre crop of potatoes, averaging 122 bushels, shows, itemized, thus:

Average cost of plowing.....	\$ 1.20
Harrowing.....	.54
Seed.....	7.25
Planting.....	1.35
Cultivating.....	1.66
Digging and marketing.....	8.85
Wear and tear of tools and rental of land or interest on its value.....	4.42

Total cost per acre, or 122 bushels..\$25.27

The report is filled with valuable information from practical growers. It should be in the hands of every one who raises a big or little patch of potatoes.

Transplanting Currant Bushes and Rhubarb. Planting Grapes. Lawn Grasses.

EDITOR KANSAS FARMER:—I wish to ask, when is the proper time to move currant bushes? I shall move them about ten feet. They bore nicely this year and I do not want to injure them. When is the best time to transplant rhubarb, and when is the best time to plant grapes, fall or spring? I want table grapes, what kind shall I plant?

I also wish to ask what kind of grass-seed to sow in my yard? A part of my yard is in the native sod, which I wish to keep; but north of the sod is plowed land which I want to get into grass. I have no way to water and care for blue-grass. I am a woman, am 64 years of age, and am not able to do my housework, so I am helpless in the matter. I want, if possible, to get some grass which will make a sod with but little trouble. Is it better to sow it in the fall? What kind shall I get, when shall I sow it, and how much to the acre? L. W. TRUESDELL. Cloud County.

As the bushes are to be moved but a short distance it will be well to move them with a mass of earth about the roots. It may be done at any time now when the wood is well hardened and the bushes are in their winter condition, probably by the first or middle of next month at the latest. Care should be taken to firm the soil well about the roots and a mulch should be given them to protect from frequent freezing and thawing.

The rhubarb may be set either in late fall or early spring. Grapes may be planted either fall or spring. We have averaged slightly better results from spring setting. The same care should be given as for the currants, a light cover of soil is good as a mulch if mice are liable to be troublesome; it does not invite nest-making as does straw or leaves.

The list of varieties recommended in Bulletin No. 110 is Green Mountain, Campbell's Early, Moore's Early, Brighton, Eldorado, Concord, Wordeu, Catawba. Elvira, Diamond Woodruff, Agawam Goethe, Delaware, and Berckman might be added, as might a large number of others.

It is usually true that the excellence of a lawn is in direct proportion to the amount of labor which it is given. Since you can give it but little care, save the native sod. It will give better results with little care than almost anything else, if it is mowed frequently it is of good appearance, and the bright reddish-brown of its winter condition is a pleasing part of winter landscapes. From the appearance of the brome-grass on the college farm fields, it would seem well fitted for a lawn that is to have but little care. If mowed a few times each season it is of good appearance. It is not absolutely necessary that a lawn have a "smooth shave" to be presentable. Grass and beards may be worn differently, but they must not present a ragged, unkempt appearance. Grass knee-high is a beautiful sight but it

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a debt of the amount you lose in the long run by not getting the best fence your money will buy in the beginning. The only way not to contract this debt is to investigate the fence question before buying.

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must be in some considerable area to be allowable. A small patch should be kept fairly short. Our native grasses do not look well when clipped as closely as is the common custom with blue-grass, and I judge that the brome-grass would require about such treatment as the native grasses of your section. Brome-grass has the advantage of coming early and remaining green until late. Ground that is to be sown to grass early in the spring should be well prepared this fall, it should be fine and firm, and if there is danger of blowing it must be protected with a cover or mulch; straw with some brush to hold it answers nicely.

For a good lawn a comparatively large quantity should be sown, from two to four bushels is a common quantity. It is now late for best results and early spring will be a better time. September is generally a good month to sow grass-seed, but without water, some attention must be given to the condition of the soil.

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STARK best by Test—78 YEARS. We PAY CASH WANT MORE SALESMEN Weekly Stark Nursery, Louisiana, Mo.; Huntsville, Ala.

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75 cents per 100; \$5 per 1,000.

Send for descriptive circular and testimonials. We have a heavy surplus of all kinds of Nursery Stock to offer for fall. Get our prices. We will save you money.

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Warranted Pure Honey—Extracted, put up in 60 pound cans; one gallon, half gallon and one quart friction-top pails. Comb Honey in cases of twenty-four 1-pound sections. Write for prices.

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Send us your address and we will show you how to make \$3 a day absolutely sure; we furnish the work and teach you free, you work in the locality where you live. Send us your address and we will explain the business fully, remember we guarantee a clear profit of \$3 for every day's work, absolutely sure. Write at once. BOLA BARRINGTON CO., Box 889, Detroit, Mich.

In the Dairy

Creameries as Benefactions.

SECRETARY F. D. COBURN.

In Kansas, before the advent of the cream-separator and the installation of the modern methods of butter-making in creameries, the dairy industry was not occupying its proper place among the industries of the State. The cream-separator and creamery have performed wonders as correctives, yet there is need of a further progress before it reaches its rightful position.

In too many instances "the man behind the cow," careless or ignorant of his own best interests, forms his dairy herd from cows bred away from dairy lines, gives them insufficient care and food, and vainly awaits the prosperity that never comes. The cow is ever willing to do her full share, but to secure profitable results the "man behind" must give the animal good food and intelligent attention. He must not expect 6-per-cent milk from a 2-per-cent animal.

The advances and changes in this industry in Kansas during the ten years last past are indicated by the following table, showing the number of pounds each of butter made in families and in creameries, also of both combined, in Kansas each year from 1895 to 1904 inclusive, together with the value of milk and cream sold other than to factories in the same years:

Years.	Made in families, lbs.	Made in creameries, lbs.	Total butter product, lbs.	Value of milk and cream sold.
1895..	28,237,967	2,916,253	31,154,220	\$ 383,987
1896..	27,506,636	7,501,698	35,008,334	620,646
1897..	27,379,164	9,834,764	37,213,928	583,001
1898..	26,240,242	15,210,739	41,450,981	615,890
1899..	25,809,122	17,273,645	43,082,767	648,054
1900..	25,799,443	15,946,316	41,745,759	673,884
1901..	28,725,170	15,005,906	43,731,076	704,032
1902..	26,142,721	18,208,108	44,350,829	725,280
1903..	27,366,532	18,855,490	46,222,022	593,948
1904..	25,854,206	17,008,160	42,862,366	593,684
Ttals	269,060,203	137,761,079	406,821,282	\$6,142,500

As shown, the 44 creameries in the State give a total butter-product for the year ending March 1, 1904, of 17,008,160 pounds. Those producing 300,000 pounds, or over, in the order of their rank are as follows:

Name	Pounds.
The Continental Creamery Co., Topeka.....	8,000,000
The Belle Springs Creamery Co., Abilene.....	1,800,000
The Shady Grove Creamery Co., Hutchinson.....	1,000,000
The Merritt Creamery Co., Great Bend.....	828,777
The Schrock Bros. Creamery Co., Yoder.....	426,530
The Larned Creamery Co., Larned.....	414,000
The Wichita Creamery Co., Wichita.....	400,000
The Hesston Creamery Co., Newton.....	380,000

The C. F. Armstrong Co., Clyde... 340,000
The Helzer Creamery Co., Helzer... 308,851

The total butter-product from the 517,254 Kansas cows in 1895 was 31,154,220 pounds, of which 90.6 per cent or 28,237,967 pounds was made in families and 9.4 per cent of 2,916,253 pounds by creameries.

In 1904 the total butter produced from the 792,712 cows was 42,862,366 pounds, of which 60.3 per cent or 25,854,206 pounds was made in families and 39.7 per cent or 17,008,160 pounds was the product of creameries. During the ten-year period ending with 1904 the number of milch cows increased about 54 per cent; the butter made in creameries increased 521 per cent, and that made in families decreased 9.4 per cent.

It is stated by parties who have for many years been in close touch with butter as a commercial product that less than 25 per cent of family or country-made butter is of a really merchantable quality and that this 25 per cent commands an average price of 18 cents per pound; also that the remaining 75 per cent, reaching the hands of the reluctant country merchants, finally finds its way to some renovating establishment, at 6 to 8 cents per pound. The reason for this is apparent. The large majority of country butter-makers have but indifferent facilities for cooling and caring for the milk in the first place, and in the second they still use the ancient "setting" and ladle-skimming method of cream separation. This lack of facilities and equipment of necessity causes considerable loss of the butter element of the milk, and in spite of the butter-maker, too often results in an undesirable and almost unsalable product from the remainder.

Out of 100 pounds of milk testing 3 per cent of butter-fat the average country buttermaker without a standard separator would obtain not more than 2½ pounds of butter, worth not to exceed 10 cents per pound, or 25 cents for 100 pounds of milk and the back-breaking labor.

From the best information obtainable, the prices paid for milk at skimming stations range from 70 cents to \$1 per 100 pounds, according to test. In 1904 the Kansas butter made in families was 25,854,206 pounds. It is shown that it takes at least 29 pounds of 3-per-cent milk to enable the average country maker to produce one pound of butter. Therefore, the milk required for the country-made butter of 1904 would be 749,771,974 pounds, and this at 75 cents per hundred pounds would equal \$5,623,290, as against \$4,309,034, the value of 25,854,206 pounds of butter at the high average price of 16½ cents per pounds—a difference against the butter made in families of \$1,314,256 or 30.5 per cent.

A Milk Ration.

We have four Holstein cows and four scrubs. What is the best milk ration possible to attain when we have bran at \$15 per ton, shorts at \$18, corn at 40 cents per bushel; and for roughness, corn-fodder and oat straw, not very plentiful? We milk in-doors and always have water and salt handy. We are trying to cull our herd and have all Holsteins. We aim to keep ten all the time. The cows have blue-grass pasture during season of pasture.

I. H. ESHELMAN.

Dickinson County.
I would suggest the following ration for your cows:

	Dry matter.	Protein.	Carbohydrates.	Fats.
Oat straw, 5 lbs.....	4.54	.06	1.93	.04
Corn stover, 15 lbs....	8.92	.255	4.86	.105
Corn-chop, 4 lbs.....	3.56	.316	2.668	.172
Bran, 4 lbs.....	3.54	.516	1.604	.136
Cottons'd-meal, 2 lbs. 1.84	.744	.338	.244	
Total.....	22.40	1.891	11.400	.697

The quality of the roughness available is rather inferior for the production of milk. You will have to supply most of the nutrients required, in the concentrates. You do not mention at what price cottonseed-meal and linseed-meal can be obtained. In order to make a satisfactory milk-ration with the kind of roughness available it will be necessary to use some concentrates rich in protein, and cottonseed-meal has been suggested as sup-

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THE U. S. IS THE SAFEST SEPARATOR, its gears being entirely enclosed, thus doing away with all danger of injury to them or those around it.

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thousands of acres of rich farm lands (improved and unimproved), located along the line of the Missouri, Kansas & Texas Ry., are now offered for sale. The lands are especially adapted to the growth of corn, wheat, oats, fruit and vegetables, rice, cotton, sugar-cane, and for stock farming. The lands are well located as to markets, schools, etc. If you are interested in this new and prosperous country, offering so many opportunities, and rich farming lands which can be secured at low prices, we will gladly furnish you information about lands, business chances, etc. Advise exactly what you want, what State or Territory you prefer, and the amount you have to invest.

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The Separator News

Did you think all separators were alike—that any kind was good enough—that makers of bucket bowl separators would tell you their machines are poor? Some dairymen have thought so—have dropped a bunch of money that way. But you'll not if you investigate—read The Separator News—learn that

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A cow's leg and tail may look alike, but they're very different. One is good for support—the other to swipe your face in fly time. SEPARATORS are just as different. The Separator News tells how, tells it plainly, tells why Tubulars are best, appeals to your judgment. Tubulars recover more butter fat—skim twice as clean by official tests. It's the only simple bowl separator. The Separator News tells about separators—issued periodically—subscription free. Write for it and catalog No. C 105.



Sharple's Co., Chicago, Illinois. P. M. Sharple's West Chester, Pa.

plying it probably more cheaply than the linseed-meal. Gluten feed might also be used in the place of cottonseed-meal. The corn-fodder and oat-straw not being very plentiful it will be necessary to handle the roughness so that as little as possible may be wasted. The most economical method would be to have a shredder or cutter and cut or shred the fodder. In this way the waste would be reduced greatly, and the fodder would be much more convenient to handle.

The effort being made to cull your herd, thereby raising its standard for milk- and butter-fat-production is certainly very commendable. This can be done only by keeping individual records of the production of the cows by weighing the milk and applying the Babcock test. If this method is persisted in for a few years, a profitable dairy herd will certainly result. In the feeding of these cows it will be necessary to vary the quantity of the concentrates according to the quantity of milk the cows are giving. Those just beginning the lactation period will consume at a profit much larger quantities of grain than those far advanced in lactation. It should be the aim to supply the concentrates in as large quantities as the cows are able to handle profitably for milk-production. A careful study of the daily record of the cows will be necessary in order to regulate the feeding of each cow from day to day.

G. C. WHEELER.

The Poultry Yard

CONDUCTED BY THOMAS OWEN.

Provide for Winter.

The weather up to the middle of October has been very mild and favorable to all kinds of poultry, but there is cold weather in store for us, and it is well to provide at this time the things that will be necessary for the comfort of the chickens in the cold and bleak days that are sure to come.

First of all to be thought of, is a store of green feed for the time when all the green stuff out of doors is frozen. Green food is one of Nature's foods that must be supplied in winter or little success in egg-production will be obtained. Cabbage too late to head is a good thing to store; also small potatoes and windfall apples, small beets, carrots, turnips, inferior pumpkins and squashes all are excellent to feed to poultry in winter, but we will not have them unless they are taken care of now and stored where there will be no danger of freezing. Many farmers do not attend to such work, and consider it too much trouble to bury or store vegetables for the use of the chickens during the winter months. The boys and girls on many farms can do this work, and it is work that pays. Winter eggs, as is the case with very many other valuable farm-products, can not be had without some effort and planning ahead. On many farms there is much waste food, as inferior vegetables and grains that have little or no market value; but which, if taken care of, are the best of feeds for hens and give them the variety they require to enable them to produce eggs.

If you have alfalfa, remember that the leaves are the best kind of feed for the laying hens during winter. If you have plenty of it, it can be fed to them in its dry state, allowing the hens to have all they want to scratch in; but the better and more economical way is to scald the alfalfa with hot water, then mix with it some bran and cornmeal and a few beef-scrap and you have a feed that is bound to bring eggs. Remember it is the small flock, well sheltered, well fed, and well cared for, that may be depended on for winter.

Often the transfer of the poultry from the barn, trees, and fences to the poultry-house at this season of the year, is followed by colds much resembling roup. The trouble is, we shut them up too closely in the beginning. The fowls get too warm during

the night and get chilled when given their liberty in the morning. The poultry-house should not be closed too tight until later in the season after the fowls have become accustomed to the change. All fowls are liable to slight colds during the autumn months. Ginger, mustard, and red pepper, a small amount of each, is a good addition to the mash at this time. Crowding too many fowls together in a small house is a good way to start colds that often develop into roup. When there are more fowls than can comfortably get on the roosts they crowd closely together and get over-warm, then take cold when let out on frosty mornings. Of course, the best way to prevent this is not to have too many fowls in the house, but if you can not avoid this, then keep the hens in the house on cold mornings till the weather gets warmer out of doors.

Poultry Notes.

A great deal has been written about the Australian laying contest, some claiming one breed to be the best layers, and others claiming a totally different variety. We do not believe it has demonstrated that any variety is better than another in this respect, for sometimes one variety would be at the head of the list, then next month it would be away down the list, and so they alternated all through the contest. But one thing it did settle, and that was that with proper care and attention you could make any old breed lay eggs. There is more in how you feed and take care of your chickens than there is in the breed.

Rats in a poultry-house or barn are great nuisances and destroy great quantities of grain, besides occasionally getting away with young chickens. To get rid of them, therefore, would be a good thing. We read the other day of a very simple way to rid the premises of rats. We do not know whether it is good or not; but the writer claimed that it killed several rats for him the first night and compelled the rest to move away so that he was not troubled with them afterwards. He said he took several old shingles and put a teaspoonful of molasses on each side, then he scraped some concentrated lye over the molasses and placed the shingles under the floors where the rats ran. He had excellent success. We will try it one of these days.

The most unique method we have heard of for keeping chickens in the yards is to tie their wings together with soft strings. A woman whose chickens would fly out anywhere, tried this method and she reports it quite successful. She had clipped their wings, clipped off the feathers of their tails, stripped the web of the feathers from the quills of the flight feathers and still they went over the fences. Now she says she has a remedy that counts for something.

Before bringing the chickens into their permanent poultry-houses for the winter, the pens should have a thorough cleaning and whitewashing. The earth floor should be cleaned out, and as much fresh earth put in as was removed in the cleaning. Fresh earth is a great deodorizer and will keep bad smells out of the poultry-house.

About two or three weeks before the time for taking the old fowls to market, a more fattening ration should be secured. The meat or beef-scrap should be doubled and the grain food should be almost wholly cracked or whole corn. Of course, they should not be allowed to range much. A fowl that is running at large can not get into really good eating condition. Better keep them penned up in a slatted coop during the fattening period.

Poultry Pointers.

N. J. SHEPHERD, ELDON, MO.

In order to learn how to succeed in poultry-keeping there must be actual experience. While much can be learned from the poultry press, it takes practical experience to obtain satisfactory results.

While the laying hens require grain they require something else as well and should not be overfed with one kind or stinted of the others, as the

conditions must be favorable to secure the best results.

Fowls are creatures of habit in the strictest sense, and when once they form habit, such as egg-eating to success, they will continue the habit as long as they have opportunity for so doing.

In nearly all cases let the extra feeding be given the chickens at night after they have been prompted by their appetites to do the necessary roaming for insects and have acquired the needful amount of exercise. Whole corn is one of the best grains to give at night and especially during the fall and winter.

A stunted or weakly chicken will consume more food until it arrives at a certain weight than a fast-growing bird, because a fast-growing bird will attain a certain weight and size in almost half the time of that of the stunted bird and is in condition for sale or use long before the other.

Geese live so many years, and as the older fowls produce not only the best eggs for hatching but the best and most feathers in nearly all cases, it is best to keep the old geese and market the young ones as soon as sufficiently matured. Young geese bring the best price in market.

Give the hens all possible freedom and there will be less trouble with soft-shelled eggs for they will get the exercise and pick up the lime they need. If they have stopped laying, a change of food will soon start them to laying again, as a variety of food always brings the best results.

In nearly all cases the food for fattening should be given in the form of meal or something similar, as the digestion of soft food is much easier than grain. When possible, better results can be secured if the ground grain is wet up with sweet milk. It always pays to send poultry to market fat.

Sinful to Neglect It.

In a Catholic Sunday-School the class was under question in the sacraments, and to a question as to the necessity of confirmation, the child answered that confirmation was not necessary to salvation, but should a favorable opportunity offer it would be sinful to neglect it. The sacrament of matrimony was taken up, and a seven-year-old startled her teacher when replying to a question as to the necessity for this sacrament, by answering: "No, matrimony is not necessary to salvation, but should a favorable opportunity afford, it would be sinful to neglect it."—Selected.

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Feeding from the Birth Period.

PROF. A. M. SOULE, VIRGINIA EXPERIMENT STATION, IN PRACTICAL FARMER.

Ideal conditions in the production of beef will never have been reached until the calf is fed from the birth period forward so as to make a uniform gain. The present demand for baby beef will increase in the future, for do we not see evidences every day of a closer discrimination with reference to the things we shall eat. Baby beef is so much superior in every respect to that produced from the larger framed, longer maturing and coarser grained animal of a by-gone day, that it is little wonder that a great demand should spring up for beef from this character of animal. Conditions warrant the increase of this demand and thus a steady market for animals of this type. At the present time the supply is quite inadequate to the demand. One has only to examine the reports of the stock markets in the larger centers of the business to see that comparatively few cattle each day bring an extra or top price. In scanning these reports one will observe that a carload of cattle which will make prime baby beef brought \$7 per hundredweight. Presuming there were 500 cattle on the market, and of that number 20 brought \$7 and the balance \$4.50, it is easy to see what an appalling loss the producer suffers because his cattle are either not of the right type or have not the finish to bring top prices. Why should the farmer continue to suffer this loss? Why should there be this striking difference between various lots of cattle? What is the cause of this evil, for it evidently is a serious one, and is there a remedy for the same? There is no reason why the farmer should continue to suffer this loss. There is no reason why there should be any considerable difference between the various lots of cattle. The evil is easy to recognize, and its correction lies entirely in the hands of the individual owners. The trouble arises from the belief that it does not pay to handle young calves with care and feed them from the birth period to maturity. Under certain conditions this might be unwise and unprofitable; in the range country, for example; but on the average type of farm which prevails in the Middle South where only a comparatively few animals are kept, there is no reason for not feeding young calves so as to secure uniform gains from the start, and an early maturing animal. The small farmer should recognize in present conditions his opportunity. In future more and more of the beef consumed in the United States will be produced on the small farm. There is no reason why every farmer should not have a number of beef cattle to turn off every year; many of them do at the present time, but, as a rule, they get but 2½ or possibly 3 cents per pound whereas, if the animals were fed and cared for they would as readily bring 4½ and 5 cents.

If it were more generally recognized that the rate of gain decreases and the cost increases as the birth period recedes, more attention would be given to the feeding of young stock. To emphasize this point more strongly and bring it home with greater force to the reader, let me say that up to one year of age an animal has been known to make a gain of two pounds per day; up to two years of age 1.75 pounds per day; and up to three years of age, 1.58 pounds per day. In other words, the rate of gain per day at the end of three years was one-quarter of a pound less than during the first year. If an animal gained two pounds per day, it would weigh, at the end of one year, 730 pounds. For several years steers have been fed at the Experiment Station, and though sent to us as long yearlings, and frequently, as three years past, many of them have weighed less than 800

pounds. If these steers had gained two pounds per day during the first year of their life and 1.75 pounds for the next year, they would have weighed 1,368 pounds, or as much or more than two- and three-year-olds weigh after they have been fed at the station on a good grain and silage ration for 150 days. If the animal gained during the third year of its life 1.58 pounds per day, it would weigh 1,944 pounds, or twice as much as the average 3-year-old steer brought up after the fashion which prevails on so many of our farms.

True, the gains suggested are larger than the average farmer might be expected to make, but still if one-third is taken off, which leaves the gain easily within the reach of the farmer, the loss due to the failure to feed and care for young animals of the beef type properly is truly surprising. But this is not all; for the farmer who feeds his animal uniformly for three years so as to have him weigh 1,500 pounds, has an animal ready for the export trade; an animal which will bring 6 or 7 cents per pound live weight; whereas, if brought up after the manner mentioned he would not bring more than 2½ or 3 cents, and really be fit for nothing. The only use that could be made of such a neglected animal is to put him in the feed lot for six or eight months. He will then possibly bring a respectable price, though still producing entirely too much rough, coarse meat and of-fal in proportion to his live weight. Further, if the farmer fed his steer from the birth period forward, he would get more for him at the end of one year than he now gets at the end of two or three. In the meantime, he would save one to two years' food, enough, in fact, to raise two steers for every one that he now turns off.

The great argument advanced by the farmer in opposition to the suggestions herewith presented, is that his animals cost him nothing. How utterly absurd this statement becomes in the face of these facts. What a misfortune that the farmer should console himself with such false notions of economy. How absurd that he should go on and deceive himself into actually believing that a poor, little, stunted 3-year-old steer for which he gets 2½ or 3 cents, has cost him nothing because he fed it nothing, simply letting it range at will over his property. Suppose his land is cheap, his grass abundant, and his time worth nothing, as it must be if he can afford to produce animals after this fashion, still there is no reason why his time should not be worth something, why his land should not be worth much more, and his animals should not make uniform gains and bring a high price as 2-year-old baby beef. All the farmer has to do to it to bestir himself to reap the rewards which the display of intelligence in the cattle industry will bring him. There is no other man who can be so neglectful of his business interests; who can pay so little regard to economic conditions and still manage to live as a farmer.

The intelligent, up-to-date farmer is going to change the present condition of this particular phase of the beef business. He is going to give more attention in the future to feeding his young stock. It will be his pleasure and his profit as well, to see them grow and thrive uniformly from the birth period, so that they may make animals of choice quality in a much shorter time than is now required; so that they may bring him in twice the money value he now receives for them. Why should not the average farmer feed his young stock and secure the profit therefrom? Why should he continue to let a few men live off him and make a fat profit? Why should he continue to sell his calves and young stock in an immature and half-finished condition, when he could as well finish them and reap the full profit? These are questions

the farmer must ponder seriously and solve as his individual circumstances warrant.

Gossip About Stock.

(Continued from page 1059.)

bulk of his best serviceable boars and young sows at prices that will move them quickly. Any one needing this class of stock should not fail to write him for particulars.

We call attention to the new advertisement of J. W. Ferguson, Topeka, who is advertising draft- and coach-horses which he proposes to sell under his new system, at terms to suit any responsible buyer. He is prepared to furnish Percherons, Belgian or German Coach stallions on a self-earned, easy-payment plan. Horses guaranteed to live and be satisfactory under term of contract or new horse supplied. This makes it possible for any one needing a good horse to buy him at a figure and terms within the reach of all. Any of our readers interested in the purchase of a stallion should correspond with Mr. Ferguson for further particulars.

The entire racing stable of W. C. Whitney, which has been racing this year under the name and colors of H. B. Duryea, was sold at Morris Park, New York, October 14. The two stars of the sale were Artful, winner of the Futurity, and Tanya, winner of \$58,000. Both were bought by Harry P. Whitney, who paid \$10,000 for Artful and \$7,000 for Tanya. Heart's Desire, b. f., by Hamburg-Admiration, was sold to Mrs. Harry P. Whitney for \$4,000. Sydney Paget bought Mineola, 3, by Meddler-Hurley Burley, for \$5,600. Sandian, who ran second to Tradition in the Great Eastern handicap, went to A. J. Joiner for \$7,000. H. B. Duryea paid \$6,000 for Chieftain. Princess Rupert went to H. P. Whitney for \$4,000, and J. E. Weldner paid \$8,000 for Prince Hamburg. Twenty-six head sold for a total of \$83,500.

Mr. S. H. Lenhart, owner of Plympton Stock Farm of Shorthorn cattle and Poland-China swine at Hope, Kans., desires to sell his herd boar, Rival Perfection 33377. He was farrowed April 5, 1903, and was sired by Hard to Beat and out of Darkness Best 2d by U. S. Perfection. He won second prize at the American Royal, is a good individual and has proved himself a sure breeder. Mr. Lenhart has a number of his pigs on the place now that show his quality as a sire. As Mr. Lenhart bought the prize-winning boar, Missouri Black Perfection 2d for use in his herd, he can now spare Rival Perfection and invites breeders to visit the farm and see his pigs. He is of the type that Kansas breeders most prefer, having plenty of bone and length with early maturing qualities and large litters. He invites you to come to the farm any day in the week except Sunday or write him for information.

Mr. E. L. Young, Bayneville, Kans., has a fine bunch of up-to-date Duroc-Jerseys from which he can sell young hogs of both sexes that are not related. The herd was established in 1890 and has been kept up-to-date by the owner securing most of the leading strains of Duroc blood. The herd boar is Royal George 20977 by Goldfinch 7549, who was a great prize-winner. He also has some litters by Geo. W. 18191. These are used on large, roomy sows, of the kind that bring big litters and make good money. They are all in good condition and the herd numbers about 100 head. See his advertising card and write or call upon him.

We have a telegram from J. R. Johnson, manager of the swine-breeders' combination sale, which was to have been held at Clay Center on Friday, October 28, announcing that it was found necessary last week to declare this sale off for the present.

C. W. Freelove, Clyde, Kans., was one of the largest exhibitors of Tamworth hogs at the World's Fair. His herd boar, Freelove's Choice, was given third place in the aged-boar class, but the judge remarked immediately after tying the ribbons that "If I were searching for the best hog in the ring, I would give it to Freelove's Choice, but I am searching for the best Tamworth and the other two more nearly meet the requirements of the breed type." Commenting upon this award, the Breeder's Gazette has this to say: "Some little effort has been made to modernize the type, reduce the scale, shorten and widen the head in accordance with prevailing ideas as to the relation of shape of head to easy feeding qualities and to increase the width along the back. On this occasion the judge selected the extreme type and adhered strictly to it. Freelove's Choice would readily have been picked as the winner by a judge who worked according to the standards of the modern-day pig-breeder, as he is much shorter headed, more compact and rotund, and smoother in build than the others. But this was the day of strict adherence to strict standards and this modified type of Tamworth was placed below two boars that exemplified the breed in its native home."

Every Broad-Minded Citizen

Should plan to patronize the International Live Stock Exposition at Chicago, November 26th to December 3d.

It stands for growth and expansion in live-stock production.

Of course you are going! Low rates via the Santa Fe. Ask T. L. King, Agent.

The Right Road.

The Chicago Great Western Railway offers superior service and lowest rates to any one contemplating a trip to Chicago, St. Paul, Minneapolis, or Des Moines. For further information apply to G. W. Lincoln, T. P. A., 7 West 9th St., Kansas City, Mo.

FREE SAMPLE AND BOOKLET

Send name and address and learn about AMATITE the best Ready Roofing made.

Barrett Manufacturing Co.
New York, Chicago
Philadelphia, Cleveland,
Cincinnati, St. Louis,
Allegheny, Kansas
City, Minneapolis,
New Orleans.

BOOK FREE FARM TELEPHONES How to put them up-what they cost why they save you money-all information and valuable book free. Write to J. Andrae & Sons, 823 W. Water St., Milwaukee, Wis.

A SEWING MACHINE FOR 30c

In Our Rapid Carpet-Rag Sewer

The greatest little invention of the age. Sews your carpet and rug-rags without needle and thread and four times faster than by hand. Agents wanted everywhere. Sample prepaid, 30c Rapid Sewing Machine Co., Dept. C, 4201 Lake Ave., Chicago.

Ridgeview Berkshires

Are all O. K. in breeding and quality. One yearling boar and four boars, April farrow, for sale, besides fall pigs.

MANWARING BROS.,
Route 1, Lawrence, Kans.

UP-TO-DATE

Duroc-Jerseys

Best of breeding and individuality. Pigs of both sexes, not related, for sale. A square deal guaranteed. Write your wants, or call and see hogs. Visitors always welcome.

E. L. YOUNG, Bayneville, Kans.

A Remarkable Reproduction by Photo-Color Process of the

\$1,000 OIL PAINTING \$1,000

The "Wild Fur-Bearing Animals of North America" and

40-PAGE BOOKLET "HOW TO TRAP WILD ANIMALS"

Also prices paid by us for raw Furs, Hides, etc. With this we send photo-engraving of skins and complete key naming and describing each animal and skin; also pictorial supplement giving valuable information for hunters and trappers; also gun, knife and trap catalogue.

ALL FOR 10c IN STAMPS FOR 10c OR SILVER

This reproduction is pronounced by professors of natural history the most beautiful and instructive picture of our wild fur-bearing animals ever produced. This generous offer is made to advertise our business

NORTHWESTERN HIDE & FUR CO.
ADVERTISING DEPT. Z MINNEAPOLIS, MINN.

The Kansas State Agricultural College

offers a thorough training in Agriculture Domestic Science, General Science, Mechanical and Electrical Engineering, and Architecture. There are short courses in Agriculture, Dairying, and Domestic Science for persons of mature years who cannot, for lack of time or means, take a long course. Admission direct from the country schools. A preparatory department is maintained for persons over eighteen who have not completed the common-school branches. Necessary expenses low. A practical education, such as this college furnishes, will increase your efficiency over two hundred fold. Catalogue free. Address

PRES. E. R. NICHOLS,
Box 50, Manhattan Kans.

When writing advertisers please mention this paper.

TOOLS FOR FARMERS' USE THIRTY-DAY SPECIAL OFFER!

We will give to every person buying an outfit (consisting of 1 Malleable Iron Vise, 1 Malleable Iron Drill Frame, ABSOLUTE FREE. No-charge, Best and Cheapest Tools made. We pay freight and ship on approval. Write for catalogue. Address: C. R. HAMPER MFG. CO., Box 700, Marshalltown, Iowa.

Publisher's Paragraphs.

We call attention to the number of special bargains for home-seekers and land-buyers to be found in our classified real estate advertising.

The Northwestern Hide and Fur Co. are making two very liberal offers in this issue.

The Stock Yards Harness Co., of Kansas City, Mo., who is one of our advertisers, is one of Kansas City's most reliable manufacturers.

Blackleg.

Blackleg is likely to break out and keep up all winter unless checked by vaccination, and the spring and summer calves, having, as a rule, reached the age when they will take blackleg, should be vaccinated now.

The Great Cattle Exhibit

At Union Stock Yards, Chicago, November 25th to December 3d, is an event that should not be missed.

The Markets

Kansas City Live-Stock and Grain Markets.

Kansas City, Mo., October 24, 1904. To-day's cattle receipts were normal at 18,999 head. Dry-lot steers were scarce and the market on that class of stuff was strong and active.

Special Want Column

"Wanted," "For Sale," "For Exchange," and small or special advertisements for short time will be inserted in this column without display for 10 cents per line of seven words or less per week.

CATTLE.

CHOICE young Shorthorn bulls very low prices; also open or bred girls, Polands or Durocs.

GALLOWAYS FOR SALE—To close out. Five cows with calves at foot; 2 heifer calves, 2 and 3 years old.

FOR SALE—Several nice registered Shorthorn bulls from 12 to 30 months old.

FOR SALE—2 choice Hereford bulls, 22 months old; something good.

RED POLLED—To close out, will sell cow, fine bull calf, and a coming two-year-old heifer.

FOR SALE—Three choice young Galloway bulls, bred by Staley of Nashua (1897) bred by I. B. and A. M. Thompson.

FOR SALE—A 3 year-old Shorthorn bull, sired by Royal Bates.

FOR SALE—4 good Shorthorn bulls, 3 of them straight Cruickshanks; come and see me.

FOR SALE—Guernsey bulls from best registered stock.

SWINE.

FOR SALE—Poland-China herd headers; extra large, heavy-boned.

THE KANSAS STATE AGRICULTURAL COLLEGE OFFERS FOR SALE at reasonable prices, choice boar and sow pigs of the following breeds: Poland-China, Berkshire, Duroc-Jersey, Tamworth and Yorkshire.

WANTED—Farmers to use the latest patented husking hook.

TAMWORTH PIGS FOR SALE. J. H. Glenn, Wallace, Kans.

HORSES AND MULES.

FOR SALE—One registered French Draft stallion, dark steel gray, 2 years old May past, 1,400 pounds, absolutely sound and heavy boned; also one fifteen-sixteenth solid black Percheron, 2 years past, weight 1,300 pounds.

FOR SALE OR TRADE for cattle or land, one black Percheron stallion, 5 years old.

SEEDS AND PLANTS.

HONEY—New crop, water white, 8 cents per pound. Special prices on quantity.

WANTED—Cane, kafir-corn, millet, alfalfa, clover, English blue-grass and other seeds.

FOR SALE—New crop alfalfa, timothy, clover, English and Kentucky blue-grass, and other grass seeds.

WANTED—New crop alfalfa, red clover, timothy, English blue-grass, and other grass seeds.

POULTRY.

NEOSHO POULTRY YARDS—Rose Comb Rhode Island Reds and Buff Orpingtons.

FOR SALE—Several Rose Comb Rhode Island Red cockerels, 1 each. Fine Pekin ducks, 1 each. Three Duroc-Jersey boars 5 months old, \$10 each.

FOR SALE—Pure Mammoth Bronze gobblers, from good stock, at \$5 each.

PATENTS.

J. A. ROSEN, PATENT ATTORNEY 418 Kansas Avenue, Topeka, Kans.

MISCELLANEOUS.

WANTED—A girl from the country for a position in a private home.

SCOTCH COLLIE PUPS FOR SALE—Write your wants to Chas. W. Gresham, Bucklin, Kans.

WANTED—Want to buy a complete secondhand well drilling outfit, capable to drill a 4-inch hole and up to 300 feet deep.

WANTED—Superintendent for apple orchard and stock farm; man and wife preferred.

WANTED—Good strong country girl for housework, one that can do plain cooking and that is willing to learn; good wages, private family.

FOUR GREAT MARCHES FOR PIANO OR ORGAN—"Odd Fellows Grand March," "Doles Twostep March," "California Commandery March" and "St. George Commandery March."

WANTED—Young men to learn Telegraphy and Railway Business.

12,000 FERRETS—Finest in America. Bred from rat-killers and field-workers.

FOR SALE—Second-hand engines, all kinds and all prices; also separators for farmers own use.

PALATKA—For reliable information, booklets and other literature, address Board of Trade, Palatka, Florida.

FARMS AND RANCHES.

FOR SALE—A choice Blue river bottom farm of 400 acres in Marshall Co.

FOR SALE—220 acres of land, improved, 8 room house, young orchard, small fruit, good well; one-half mile from Drexel road station.

FOR RENT—82 acres of good upland, well improved, 1 1/2 mile north of Grantville.

WANTED—To sell cheap, four spring Poland-China boars, the finest I ever raised; also pigs and shoats.

YOU CAN GET RICH RAISING FRUIT. GRAIN and HAY in the Grand Valley.

VIRGINIA FARMS—\$5 per acre and up with improvements.

LAND BARGAINS IN EAST CENTRAL KANSAS—320 acres of fine rich land splendidly improved.

FARMS to sell or trade—Want 80, suburban, or rental. Buckeye Agency, Williamsburg, Kans.

FOR SALE—320 acres fine land, 42 in crops; good dairy outfit and retail trade.

FARMS AND RANCHES.

FOR RENT—A good well improved farm for cash rent, 452 acres, in Anderson County, Kans.

ILLINOIS FARMS FOR SALE—230 acres, part bottom, 135 in cultivation, rest in standing timber, part of which could be cultivated.

KANSAS FARMS—80 acres with \$1,500 worth of improvements, \$2,000; 160 acres with fair improvements, \$2,000; 320 acres with poor improvements, \$4,000; 480 acres 1 mile from town, 40 acres alfalfa, \$6,000.

LAND FOR SALE. In western part of the great wheat state.

FARMS For rich gardening and fruit-growing Write J. D. S. Hanson, Hart, Mich

FARM LOANS

Made direct to farmers in Shawnee and adjoining counties at a low rate of interest. Money ready. No delay in closing loan when a good title is furnished and security is satisfactory.

DAVIS, WELLOME & CO., Stormont Bldg., 107 West 6th, Topeka, Kans

HOMESEEKERS

Smith and Osborne County, Kansas.

Offer the best inducement in corn, wheat and alfalfa. Write for full description and price lists to

H. A. TURNER, Portis, Kans.

We Can Sell Your Farm OR OTHER REAL ESTATE.

no matter where it is or what it is worth. Send description, state price and learn our wonderfully successful plan. Address

Southern Minnesota Valley Land Co., MADEIRA, MINN.

Do You Want a Good Farm in East Central Kansas at a Bargain? If So, Here It Is.

320 acres, 125 in cultivation, balance in pasture; has frame house of seven rooms, in good repair; good barn and stable, granaries, covered scales, hog and cattle corrals, out-buildings, etc.

WM. P. MORRIS, Marlon, Kans.

CASH For Your Real Estate or Business Anywhere I Can Sell It; I MEAN IT Send me Description and LOWEST CASH PRICE today W. E. MINTON. New England Bldg., Kansas City, Mo.

WE CAN SELL YOUR FARM, RANCH OR BUSINESS, no matter where located.

Properties and business of all kinds sold quickly for cash in all parts of the United States. Don't wait. Write to-day, describing what you have to sell and give cash price on same.

FARMS and RANCHES

WHEAT LANDS

KANSAS \$6 to \$10 PER ACRE

Splendid sections combined farming and stock raising. \$1.75 to \$5.00 Per Acre. Kansas, Colorado and Nebraska.

WE CAN SELL

YOUR FARM, RANCH, HOME OR OTHER PROPERTY No matter where located. If you desire a quick sale, send us description and price. Before buying a farm, ranch, home or property of any kind, anywhere, write us. We have or can get what you want.

ENTIRE HERD FOR SALE

27 REGISTERED HOLSTEINS

Including 26 females and one bull, being my entire herd located at Asbury, Mo.

BEST OFFER TAKES THEM

Terms to suit; small payment down, balance on deferred yearly payments if preferred, with security on herd until paid.

ALPHEUS M. SMITH, Point Loma, Cal.

GREAT TWO-DAYS' SALE!

125 Head of Registered Poland-China and Duroc-Jersey Hogs 125

On Thursday, November 3, 1904

From the well-known herds of Harry E. Lunt, Marshall Bros., and Geo. Wingert, Jr., there will be sold

65 HEAD OF POLAND-CHINA HOGS

Sale will be held at Shady Lane Stock Farm of Harry E. Lunt, which can be reached from Burden on the Santa Fe and Atlanta on the Frisco. Free conveyance to farm from either point.

25 Boars, 40 Sows and Gilts

These hogs are bred from prize-winning stock on both sides. They are good individually, are well grown and in the best of breeding condition. They are descended from such sires as the prize-winning Wilkes boar, Look No Further, the sire of more prize-winners than any boar in Kansas; the first-prize boar Perfection, Chief Perfection 2d and others equally as famous.

On Friday, November 4, 1904

At the Silver Creek Stock Farm of J. F. Stodder one mile and a half west of Burden, Cowley County, Kansas, there will be sold

60 HEAD OF DUROC-JERSEY HOGS

30 Boars and 30 Sows

These hogs are selected from the herds of Marshall Bros. and J. F. Stodder, and are largely bred from the best prize-winning stock of Iowa, Missouri, Nebraska, and Kansas. Many of these boars are bred well enough and are good enough individually to head any herd of registered Durocs. They represent the get of II Climax, the first-prize boar at Missouri State Fair, the 800-pound St. Paul, first-prize winner at Iowa State Fair, Oom Paul 2d, litter mother to Oom Paul 3d, the sweepstakes winner over all breeds at Missouri State Fair 1904. Also are included part of litter from Blue Ribbon Queen, eight times a first-prize winner at leading shows. Also the produce from some Wonder-bred sows. For further particulars see catalogue. Free conveyance to the farm.

For Catalogue of both sales address J. F. STODDER, Burden, Cowley County, Kansas.

Auctioneers: Col. J. W. Sparks, Marshall, Mo., and Col. J. R. Miller, Burden, Kans.

American Royal Live Stock Sales

Royal Aberdeen-Angus Sale.

On Tuesday, October 18, the first public sale of cattle held during the American Royal Show, was held under the auspices of the Angus Association. Fourteen bulls averaged \$92.85, and thirty-six females \$122.08, making a general average for fifty head of \$113.90.

Col. F. M. Woods acted as auctioneer and W. B. McGavock, of Illinois, acted as sale manager.

The sales in detail were as follows: Ben Glee of Alta, bull; sold by A. C. Binnie, Alta, Iowa, to George Kitchen, Jr., Grayson, Mo. \$155

Blackbird of Willowlawn 2d, cow; sold by A. C. Binnie, to Davis Bros., Maryville, Mo. 195

Abess of La Crew, cow; sold by W. B. Sealey, Mt. Pleasant, Iowa, to T. R. Culver, King City, Mo. 155

Rose 3d of La Crew, cow; sold by W. B. Sealey to R. B. Ward, Belleville, Kans. 165

Nugget 27th, cow; sold by Joseph H. Rea & Sons, Carrollton, Mo., to E. A. Stewart, Mt. Sterling, Iowa. 105

Zyther, cow; sold by J. H. Rea & Sons to E. A. Stewart. 80

Moss Creek Marie, cow; sold by J. H. Rea & Sons to E. M. Gates, La Plata, Mo. 80

Cora W., cow; sold by R. S. Williams, Liberty, Mo., to T. M. Coming, Bedford, Mo. 85

Williamsdale Matilda, cow; sold by R. S. Williams to George Kitchen, Jr. 175

Mattie S. 2d, cow; sold by W. J. Ballard, Liberty, Mo., to E. A. Stewart. 130

Prairie Farm 3d, cow; sold by C. J. Martin, Churdan, Iowa, to McAdam Bros., Holton, Kans. 270

Coquette 4th of Allendale and calf; sold by M. M. Steins, Humboldt, Neb., to W. E. Hays, Olathe, Kans. 165

Della I. 4th, cow; sold by H. H. Anderson, Laredo, Mo., to E. T. Davis, Iowa City, Iowa. 285

Nosegay 10th, cow; sold by W. J. Turpin, Carrollton, Mo., to C. R. Culver, Lucy of Olathe, cow; sold by R. P. MacClement, Olathe, Kans., to W. E. Hays. 65

Marv of Olathe, cow; sold by R. P. MacClement to W. E. Hays. 75

Mild 3d, cow; sold by C. G. Beal, Hamilton, Kans., to E. A. Stewart. 65

Fair Helen, cow; sold by A. C. Binnie, to George Kitchen, Jr. 175

Elsie of Mt. Vernon, cow; sold by A. C. Binnie, to Davis Bros. 185

Alva of La Crew, cow; sold by W. B. Sealey to E. A. Stewart. 130

Moss Creek Marie, cow; sold by Joseph H. Rea & Sons to T. R. Culver. 80

Mess Creek Kate 2d, cow; sold by Joseph H. Rea & Sons to W. C. Jeffries, Odessa, Mo. 85

Moss Creek Martha, cow; sold by Joseph H. Rea & Sons to E. A. Stewart. 85

Crown Bearer, bull; sold by W. B. Sealey to J. F. Hanna, Tarkio, Mo. 215

Mahalo Williams, cow; sold by R. S. Williams to Emmett Wilhoit, Holt, Mo. 85

Williamsdale Irene, cow; sold by R. S. Williams to J. M. Jones, Everett, Mo. 85

Gladys C., cow and calf; sold by C. J. Martin to R. B. Ward. 105

Grapewood Venus, cow; sold by W. J. Turpin to J. Auracher, Shenandoah, Iowa. 210

Grapewood Nora, cow; sold by W. J. Turpin to J. M. Jones. 75

Queen of Olathe, cow; sold by R. P. MacClement to L. E. Fey, Rushville, Ill. 50

Delago 2d, cow; sold by C. G. Beal to A. E. Stewart. 95

Delago, cow; sold by C. G. Beal to A. E. Stewart. 70

Moss Creek Queen 6th and calf, cow; sold by Joseph H. Rea & Sons to L. E. Fey. 135

Gall H., cow; sold by R. S. Williams, to R. S. Hamilton, Odessa, Mo. 85

- Seeley to A. E. Stewart..... 100
- Delectable King, bull; sold by R. S. Williams to W. J. Ballard, Liberty, Mo. 135
- Clyde Anderson, bull; sold by H. H. Anderson, Laredo, Mo., to W. W. Palmer, Glasgow, Kans. 135
- Imp. Electrician, bull; sold by Charles E. Sutton Russell, Kans., to B. G. Beal..... 100
- Moss Creek Major, bull; sold by Joseph H. Rea & Sons to T. M. Conning, Bedford, Mo. 65
- Moss Creek Kinnaid 2d, bul; sold by Joseph H. Rea & Sons to S. O. Linton, Avalon, Mo. 45
- Dewey 3d of Olathe, bull; sold by R. P. MacClement to F. M. Canning... 50
- Dewey of Olathe, bull; sold by R. P. MacClement to A. J. Hargess.... 40
- Ensign of Estill 6th, bull; sold by C. G. Beal to C. G. Beal..... 35
- Moss Creek Ajax 3d, bull; sold by Joseph H. Rea & Sons to E. A. Stewart. 35
- Conqueror of Spring Creek, bull; sold by M. M. Steins, Humboldt, Neb., to Emmett Wilhoit, Holt, Mo. 70

Royal Shorthorn Sale.

The second of the American Royal Show series of sales was the Shorthorn sale under the management of the American Association held on Wednesday the 19th. This was a very gratifying sale.

The females ranged in price from \$70 to \$325, an average of \$162. The bulls brought an average of \$265, making a general average for Shorthorns of \$187. This makes it one of the leading sales of the season exceeded only at the Minnesota State Fair. The sensational feature of the sale was the active bidding for Master of the Grove, a prize-winning bull consigned by J. W. Baker, of Strong City, Kans., which started at \$300 and went at a rapid rate up to a thousand dollars, bid by C. W. Merriam, of Topeka, finally selling for \$1,075 to Bellows Bros., of Marysville, Mo.

- The sales in detail were as follows: Sylvia, cow; sold by Tebo Land and Cattle Company, Clinton, Mo., to James Luke, Carthage, Mo. \$300
- Jessica, cow; sold by F. M. Marshall, Blackwater, Mo., to J. F. Stodder, Burden, Kans. 320
- Princess Acorn, cow; sold by T. K. Tomson & Sons, Dover, Kans., to Cresswell & Carpenter, Braymer, Mo. 200
- Victorio of Englewood, cow; sold by D. T. Bronaugh & Sons, Nashua, Mo., to W. R. Wilson, Arispe, Iowa. 195
- Golden Hue, cow; sold by W. R. Wilson to A. C. Hayes, Olathe, Kans. 205
- Sullenger, bull; sold by Joseph Duncan, Osborn, Mo., to Cresswell & Carpenter..... 300
- Miss Phyllis, cow; sold by T. P. Babst & Sons, Auburn, Kans., to J. F. True, Perry, Kans. 115
- Baron Violet, bull; sold by Tebo Land and Cattle Company to J. E. Landis, Abilene, Kans. 185
- Waterloo Duchess, cow and calf; sold by Alexander Fraser, Independence, Mo., to H. C. Lortout, Lincoln, Neb. 165
- Duchess of Lawndale, cow; sold by Alexander Fraser to H. Dewese, Grand View, Mo. 80
- Knight's Maid, cow; sold by T. P. Babst & Sons to L. C. Lawson, Torch, Neb. 160
- Belle Air 2d, cow; sold by George Manville to J. G. Sears, Colliste, Kans. 65
- Secret Archer, bull; sold by Hanna & Co., Howard, Kans., to Fred Cowley, Columbus, Kans. 340
- Susan 3d, cow; sold by T. K. Tomson & Sons to J. H. Miller, Muscotah, Kans. 205
- Edith 7th, cow; sold by J. R. Peck & Son, Winchester, Ill., to J. G. Sears. 140
- Bonnie, cow; sold by Sanford McSmith, Carthage, Mo., to J. G. Sears. 80
- Bessie of Tebo Lawn, cow; sold by Tebo Land and Cattle Co. to James Luke. 270
- Orange Prince, bull; sold by F. M. Marshall, Blackwater Mo., to C. S. Parker, Concordia, Mo. 190
- Hedgewood Blondine 2d, cow; sold by W. A. Forsythe, Greenwood, Mo., to J. H. Beattie, Rosendale, Mo. 325
- Favorite, cow; sold by W. E. Gates, Sheridan, Mo., to McClain Bros., Warrensburg, Mo. 150
- Fifth Silver Creek Beauty, cow; sold by J. F. Stodder to James Luke. 150
- Fernleaf, cow; sold by Hanna & Co. to J. F. Finley, Greenfield, Mo. 130
- Dare Devil, bull; sold by J. F. Stodder, to J. T. Ludge, Carroll, Iowa. 215
- Master of the Grove, bull; sold by J. W. Baker, Strong City, to Bellows Bros., Marysville, Mo. 1,075

FIFTH ANNUAL International Live Stock Exposition

Union Stock Yards, Chicago, Nov. 26 to Dec. 3, 1904

50 CHOICE GALLOWAYS 50
will sell
Tuesday, Nov. 29
For catalogue address
CHAS. GRAY, Secretary,
17 Exchange Ave.,
Chicago, Ill.
Sale will begin at 1 p. m.

50 SELECT SHORTHORNS 50
will sell
Wednesday, Nov. 30
For catalogue address
B. O. COWAN, Assistant Sec'y,
17 Exchange Ave.,
Chicago, Ill.
Sale will begin at 1 p. m.

50 HIGH-CLASS ABERDEEN-ANGUS 50
will sell
Thursday, Dec. 1
For catalogue address
W. C. MCGAVOCK, Secretary,
Springfield, Ill.
Sale will begin at 9.30 a. m.

50 HEREFORDS 50
FROM BEST HERDS
will sell
Friday, December 2
Under Hereford Committee of
Thos. Clark, Beecher, Ill.; W. S. VanNatta, Fowler, Ind.; G. H. Hoxie, Exchange Bldg., Union Stock Yards, Chicago, Ill.
Sale will begin at 1 p. m.

As an educational Exposition and for Sales of High Class Live Stock, no place or show affords the opportunity to spend such a rare week as the International.

TWO DAYS SALE OF Registered Shorthorns and Poland-Chinas

At the new brick barn at the west end of bridge on Douglas Ave., Wichita, Kans., on Saturday, November 26, 1904, at 1 p. m. we will sell to the highest bidder forty head of high-class, healthy, vigorous Shorthorns as follows: 16 bulls, thick blocky fellows, from 6 to 18 months old. Also our 6-year-old herd all Baron Knight (a worth son of T. K. Tomson's G-lant Knight) and 23 head of brifers and cows. All of the latter old enough are bred to Baron Knight 134946. This offering is a mingling of Scotch Booth and Bates blood and have been carefully bred with a view to beef and milk. For nearly 40 years we have been breeding and raising the famous Shorthorn—ever striving to improve our stock and to produce just the animal for breeders and beef masters and we feel that the individuals to which we here draw your attention, come as near meeting these requirements as any in the state. WM. H. RANSOM, North Wichita, Kans. Col. Sparks and Burger, Auctioneers.

The day previous to cattle sale announced above Messrs. W. M. MESSICK & SON of Piedmont, Kans., and R. L. PEACOCK, of Sedgwick, Kans., will sell at the same barn beginning at 1 p. m., 60 head of choice Poland-China swine of both sexes.

Apply for cattle catalogue to WM. H. RANSOM, Route 5, N. Wichita, Kans., and for catalogue of hog sale to W. M. MESSICK & SON, Piedmont, Kans.

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LINCOLN BUSINESS COLLEGE, Dept. 33, Lincoln, Neb.

Minnie Courtney, cow; sold by McCot-	
nel Bros., Kearney, Mo., to N. F.	
Shaw, Plainville, Kans.	90
Miss Nellie, cow; sold by T. F. Babst	
& Sons to N. F. Shaw.	105
Eulala 8th, cow; sold by Powell Bros.,	
Lees Summit, Mo., to F. M. Gifford,	
Littleton, Kans.	125
Baby Girl, cow; sold by H. M. Grif-	
fith, Kearney, Mo., to F. M. Gifford.	
Pilgrim, bull; sold by T. K. Tomson &	
Sons to Flemming Bros., Pleasant	
Hill, Mo.	170
Maggie Forest, cow; sold by J. R.	
Peak & Son to Colonel Leggett, St.	
Paul, Minn.	175
Caroline, cow; sold by W. A. For-	
sythe to J. T. Judge, Carroll, Iowa.	
Alaric, bull; sold by Sanford McSmith,	
Carthage, Mo., to William Scanlon,	
Fleming, Mo.	90
Royal Maid, cow; sold by Hanna &	
Co. to C. M. Garver, Abilene, Kans.	
Princess Challenger of Silver Creek,	
cow; sold by J. F. Stodder to E. E.	
Cook, Freeport, Kans.	300
Annie B. 3d, cow; sold by T. P. Babst	
& Sons to Mark Bunker, Greenfield,	
Mo.	140
Golden Royal, cow; sold by F. M.	
Marshall, Blackwater, Mo., to Hall	
Wood Stock Farm, Carthage, Mo.	
Roan Lady 4th, cow; sold by J. R.	
Peak & Son to Hall Wood Stock	
Farm.	100
Edgewood Victor 5th, bull; sold by D.	
T. Bronaugh & Son to George Cald-	
well, Glasgow, Kans.	215
Secret Orange, bull; sold by W. R.	
Wilson to T. M. Helm, Larkin, Kans.	
Rowena, cow; sold by T. K. Tomson &	
Sons to George Manville, Dearborn,	
Mo.	135
Mack, bull; sold by McConnell Bros.,	
Kearney, Mo., to L. C. Lawson,	
Clarks, Neb.	75
Master Waterloo 2d, bull; sold by H.	
M. Griffith, Kearney, Mo., to A.	
Sloan, Wellsville, Kans.	105
Birdie 3d, cow; sold by J. R. Peak &	
Son to Colonel Liggett, St. Paul,	
Minn.	200
Forty-Eighth Mary of Wildwood, cow	
and calf; sold by Alexander Fraser	
to C. M. Garver.	160
Mary Courtney, cow; sold by McCot-	
nel Bros., Kearney, Mo., to J. T.	
Judge, Carroll, Iowa.	75
Effe Von Victor, cow and calf; sold by	
J. R. Peak & Son to L. C. Lawson.	
Duchess of Independence 6th, cow;	
sold by Alexander Fraser to John	
Block, Wellsville, Kans.	140
Roxy 2d, cow and calf; sold by George	
Manville to C. M. Garver.	155
Beauty, cow; sold by David Donnohue,	
Appleton City, Mo., to Hall Wood	
Stock Farm.	155
Rose Butterfly, cow; sold by W. R.	
Wilson to W. H. Bedrige, Pilot	
Grove, Mo.	95
Hazel Kirk 11th, cow; sold by Powell	
Bros., Lees Summit, Mo., to J. T.	
Judge.	120
Belle, cow and calf; sold by J. R.	
Peak & Son to E. E. Townsend, Sa-	
vannah, Mo.	185
Violet Godoy 3d, bull; sold by D. Don-	
nohue to J. M. Copeland, Glasgow,	
Kans.	275

Royal Galloway Sale.

The sale of Galloways was held on Thursday, October 20, under the auspices of the American Galloway Breeders' Association, and fifty head sold at a general average of \$124.90. The bulls sold at prices that were surprising to the consignors, at an average of \$162, while the price realized for the females was disappointing at an average of only \$110. The offering included a number of the prize-winners in the show. However, the general result of the sale was very gratifying to breeders present.

The breeders having consignments in this sale were: C. N. Moody, Atlanta, Mo.; O. H. Swickart, Champaign, Ill.; Brookside Farm Co., Fort Wayne, Ind.; J. E. Bales & Son, Stockport, Iowa; C. E. Clarke, St. Cloud, Minn.; W. M. Brown & Son, Carrollton, Mo.; F. P. Wild, Cowgill, Mo.; Claud Atterbury, Atlanta, Mo.; and J. W. Troutman, Comiskey, Kans.

Auctioneers in charge of the sale did good work, Col. R. E. Edmonson, H. W. Graham, and R. L. Harriman.

The sales in detail were as follows:

Dandy of Hensol, bull; sold to L. W. Markham, Lamar, Col.	\$180
Stately Boy, bull; sold to J. M. Hill, Halstead, Kans.	200
Scottish Patricia, cow; sold to R. H. & R. W. Sampson, Quinter, Kans.	155
Semiramis, cow; sold to J. C. Guthrie, Baldwin, Kans.	100
Lucy Penningham, cow; sold to Joseph Carter, Chilhowee, Mo.	95
Scottish Lass, cow; sold to E. M. Miller, Almont, Mo.	110
Juliet 3d, cow; sold to E. M. Miller.	100
Bess' Queen Di Do, cow, sold to G. W. Lindsey, Red Cloud, Neb.	175
Bond Maid, cow; sold to Joseph Carter.	85
Grace of Brookside, cow; sold to E. W. Ramsey, Hamlin, Minn.	100
Fanny of Meadow Lawn, cow; sold to J. D. Spangler, Ness City, Kans.	145
Queen Bess, cow; sold to E. W. Randall, Hamlin, Minn.	60
Flossie's King, bull; sold to Joseph Carter.	200
Gladys M., cow; sold to C. B. Rowland, Rose Hill, Iowa.	195
Maggie 10th, cow; sold to C. B. Rowland.	250
McDougal Yet, bull; sold to L. W. Markham.	250
Doctor of Wavertree, bull; sold to L. W. Markham.	155
Crofter of Wildwood, bull; sold to A. P. Newkirk, Great Bend, Kans.	200
Black Druid, bull; sold to A. P. Newkirk.	135
Erna of Maples, cow; sold to James Tingler, Gypsum, Kans.	95
Edith of Maples, cow; sold to James Cotter, Pittsburg, Kans.	80
Steward's Girl, cow; sold to Samson Bros., Winter, Mo.	75
Semiramis Wilson, cow; sold to C. M. Dayton, Aurora, Mo.	135
Beauty of Stockport, cow; sold to R. H. & R. W. Sampson.	90
Peerless of Fairfield, bull; sold to R. G. Crawford, McGrady, Mo.	155
Moll A., cow; sold to Earl Hunt, Quinter, Kans.	100
Jasper of Lochside, bull; sold to Samson Bros.	170
Paragon B., cow; sold to J. M. Hill.	115
Jemima of Maples, cow; sold to C. M. Dayton.	95

Semiramis Crystall, cow; sold to F. J. Smith, Valley Center, Kans.	100
Scottish Maid, cow; sold to J. C. Ashcraft, Sedgwick, Kans.	125
Hettie Nelson A., cow; sold to James Tingler.	80
Pauline of Maples, cow; sold to James Tingler.	100
St. Louis of See, cow; sold to C. B. Rowland.	155
Royal Liberty, bull; sold to G. A. Lee, Burdett, Kans.	145
Scotch Lily, cow; sold to J. C. Ashcraft.	105
Rose of Meadow Lawn, cow; sold to J. C. Ashcraft.	150
Belle 2d of Wildwood, cow; sold to Paul Byrd, Chillicothe, Mo.	105
Bitter Sweet, cow; sold to Samson Bros.	60
Kate of Maples, cow; sold to F. J. Smith, Bently, Kans.	80
Fanny 4th of Brookside, cow; sold to Samson Bros.	95
Fidella of Brookside, cow; sold to Samson Bros.	90
Helen of Meadow Lawn, cow; sold to J. F. Spangler.	70
Butler of Nashua, bull; sold to Jesse Dyle, Manhattan, Kans.	125
Rippy McDougal, bull; sold to J. L. Best, Wakeeney, Kans.	135
Davis B., bull; sold to Seb. Umscheid, St. George, Kans.	100
Polly A., cow; sold to J. L. Best.	100
Francis McDougal, bull; sold to Gabrielson Bros., Hutchinson, Kans.	125

Royal Hereford Sale.

On Friday, October 21, the last of the series of beef cattle sales held under the auspices of the American Hereford Association, was held and was a highly successful event and a fit closing of the greatest of all of the American Royal Shows. Thirty-one cows and heifers sold for \$4,440, an average of \$143. Sixteen bulls sold for \$4,250, an average of \$267.

Forty-seven Herefords sold for \$8,720, an average of \$186, making almost an identical average with the Shorthorns.

The decided feature of the closing sale at the American Royal cattle show yesterday was the selling of Onward 4th, a 2,300 pound Hereford bull, which formerly belonged to James A. Funkhouser, of Plattsburg, Mo., for \$1,330. S. L. Standish, of Hume, Mo., being the purchaser. Frank Rockefeller made a hard fight for the animal and startled some of the buyers by his apparent reckless bidding. Shortly after Onward 4th had been led to the pit one of the sellers exclaimed that he should bring \$2,500. Mr. Rockefeller instantly replied that he would give \$1,250. Only two bidders contested with him. One was Miss Lou Goodwin, of Blue Rapids, Kans., the other the present owner of the bull. Each bid was followed by an outburst of applause from the big crowd. Mr. Rockefeller declined to file bids for a greater sum than he at first gave and the fight for the animal was waged by Miss Goodwin and Mr. Standish. After the sale had been made the auctioneer declared that a vote of thanks was due the plucky little lady and the crowd gave her an enthusiastic cheer.

Rovilla, cow; sold to Frank Rockefeller, Cleveland, Ohio.	
Prince Rupert, bull; sold to H. J. Luce, New York City.	\$850
Beau Royal, bull; sold to F. R. Morrison, Olathe, Kans.	100
Bracelet, cow; sold to Hodgson Bros., Arkansas.	150
Diana, cow; sold to A. C. Jones, Emporia, Kans.	1.25
Leyburn, bull; sold to G. E. Dawson, Plymouth, Kans.	160
Prudence Archibald, cow; sold to J. B. Welcome, Whitehall, Mont.	105
Stanley, bull; sold to William Johnson, Clemons, Kans.	155
Rose Wilton, cow; sold to T. Hitchstad, Pleasanton, Kans.	155
Genevieve, cow; sold to J. B. Welcome.	125
Maple, cow; sold to W. L. Yeast, Logan, Ill.	115
Louise, cow; sold to J. B. Welcome.	145
Advance, bull; sold to G. W. Cline.	140
Dewey, bull; sold to J. B. Welcome.	115
Miss Simpson, cow; sold to M. L. Vandeventer, Spencer, W. Va.	165
Onward 4th, bull; sold to S. L. Standish, Hume, Mo.	1,330
Belle Donald, cow; sold to Frank Rockefeller.	300
Bonnie Heslod, cow; sold to T. Hitchstad.	125
May's Keep On, bull; sold to W. S. White, Mulberry, Kans.	185
Soldier Creek Columbus, bull; sold to Newt Long, Minden, Mo.	140
Elmer, bull; sold to W. Teichgraaber, Gypsum, Kans.	95
Floriel, cow; sold to Frank Rockefeller.	100
Ariel, cow; sold to J. B. Stowe, Hamburg, Iowa.	125
Jap, bull; sold to J. H. Howe, Emporia, Kans.	130
Halbred Lad, bull; sold to Cornish & Patton, Ogden, Mo.	200
Carmine 2d, cow; sold to Dick Pressfield, of Cameron, Mo.	155
Cora Spencer, cow; sold to W. B. Waddell, Lexington, Mo.	70
Soldier Creek Columbus, bull; sold to Alexander Phillip, Hays City, Kans.	120
Columbus B., bull; sold to J. O. Bryan.	225
Bella Donna, cow; sold to J. B. Welcome.	120
Maude, cow; sold to Stanton Breeding Farm, Madison, N. Y.	100
Nettle, cow; sold to J. A. Funkhouser.	150
Rex Columbus, bull; sold to Edgar Cattle Company, Appleton, Mo.	230
Lady Columbus, cow; sold to Edgar Cattle Company.	280
Primrose, cow; sold to J. B. Welcome.	100
Jenivee, cow; sold to J. B. Howe.	155
Daisette, cow; sold to M. L. Vandeventer.	130
Belle Donald, cow; sold to Frank Rockefeller.	275
Daisy Miss, cow; sold to Frank Rockefeller.	125
Capitola, cow; sold to J. H. Howe.	225
Clara Charming, cow; sold to J. B. Welcome.	110
Gertrude 2d, cow; sold to Carl Stowe, Hamburg, Iowa.	155
Jemison, bull; sold to Dick Pressfield, Cameron, Mo.	115
Rosaline, cow; sold to T. Hitchstad.	95
Fashion Plate, cow; sold to M. E. Vandeventer.	90
Maude Idell, cow; sold to J. B. Welcome.	100
Queen Java, cow; sold to E. L. Pinet, Design, Mo.	120

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As I expect to move, am making SPECIAL PRICES to sell all of my Kanawaka Herd of Poland. Two Herd Boars, 3 Fall Boars, 40 Spring Pigs, 70 Fall Pigs, 25 Sows and Fall Gilts. I don't want to publish my prices, but write me and I will surprise you in the breeding and bargain I offer. **W. B. VAN HORN & SONS**, Lone Star, Douglas Co., Kans.

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Ten extra good fall boars weighing from 150 to 200 lbs. sired by Black Perfection 27182, dams sired by Corwin I. Know, Froid Tecumseh, Henry's Perfection Spring Pigs by six of the best boars in the West. Seven and one-half miles northwest of Leavenworth. (I ship from Leavenworth. Eight railroads.) One mile west of Kickapoo on main line of Mo. Pacific. **JOHN BOLLIN**, Route 5, Leavenworth, Kas

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