

KANSAS FARMER

NEBRASKA MISSOURI
OKLAHOMA

Volume XLV. Number 43

TOPEKA, KANSAS, OCTOBER 24, 1907

Established 1863. \$1 a Year

THE AMERICAN ROYAL.

The American Royal Stock Show has, by its annual successes at Kansas City Stock Yards, become one of the established great institutions of this country. Entirely devoid of the features which the racing fraternity deem necessary to produce gate receipts, this show of domestic animals has proven a great attraction not only for

those who are directly interested in the production of the highest classes of animals, but also for fashionable society of Kansas City and other centers of population.

The gate receipts showed attendance of over 15,000 per day at the maximum. The writer attended an evening exhibit at which 8,000 persons were crowded into the big tent. For



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the information of readers who may like to know what kind of exhibition induced 8,000 people to pay \$4,000 at the gate and sit for two or three hours on hard planks with nothing to lean against, or to stand, as was necessary for the late comers, the program for the evening of October 17 is given:

- Cattle parade.
- Hitch drill by fire team.
- Parade of horses and mules.
- Exhibit of Shetland ponies.
- Exhibit of Morgan horses.
- Swine, sheep, and goat parade.
- Class 5—High school horses. Purse \$75; first, \$40; second, \$20; third, \$15.
- Class 6—Children's ponies to be ridden by children 12 years old or under. Ponies not to exceed 13 hands. Purse, \$30; first, \$15; second, \$10; third, \$5.
- Class 7—Runabout horses. Horses 14½ to 15½ hands; horses alone to count. Purse, \$100; first, \$50; second, \$30; third, \$20.
- Class 8—Kansas City Polo Club.

No part of this program elicited more interest than was awakened by the cattle parade. As the best results of the breeders' art came around gaily decked in the ribbons denoting the prizes they had won, the excellencies of the individuals, the comparison of the breeds, and the pride of the attendants were duly commented upon. The variety of the remarks may be imagined when it is considered that in adjacent seats were expert breeders, judges, and society people whose expert knowledge did not extend to distinguishing a Hereford from a Shorthorn and who inquired whether the Galloways were Jerseys.

The magnitude of the show may be realized from noting the numbers of animals on exhibition. There were catalogued 332 Herfords, 270 Shorthorns, 128 Galloways, and 190 Aberdeen-Angus cattle; 70 Berkshire, 188 Duroc-Jersey, 146 Poland-China, and 48 Chester-White hogs; 36 Cotswold, 36 Hampshire and 62 Shopshire sheep; 26 mules; 16 Belgian, 10 German Coach, 8 French Coach, 87 Percheron, and 12 Clydesdale horses; a herd of Angora goats, and a herd of Shetland ponies.

A general improvement in the excellence of the animals shown was observable to those who have attended successive exhibitions. The contests were in many instances so close that the judges called in help to determine the placing of the awards. A notable case of this kind occurred in the fed-

ster contest. The honors lay between the Kansas Agricultural College and the Nebraska Agricultural College. The two judges disagreed and called in a third. A most thorough inspection of the two representative animals was had. The judges deliberated and finally tied the blue ribbon on the Kansas steer. This is added triumph for Professor Kinzer who seems to succeed equally well in training young men in the art of feeding, in teaching them to judge the merits of results attained, and in the various other duties of the professor of Animal Husbandry in the Kansas College.

In the sale pavillion the triumphs of the breeder's skill were subjected to the cold judgment of purchasers in the auction ring. Sensational prices were not prevalent, but it seemed to the writer that, in most rings, good, healthy, living prices were realized. Favorite blood-lines maintained their preeminence, but if the animal lacked individual merit, his good breeding availed little. It was said that many sales were made outside of the auction ring at prices quite as satisfactory as those at the block.

The exhibit of fat cattle in car lots constituted an important feature of the show. The superiority of the well-bred over the scrub was here so plainly exemplified that any observer could see it. While the long horns that used to characterize the range cattle are now seen no more, the manifest presence of Shorthorn and Hereford blood in these cattle did not make them competitors with the pure-breds in the fat-cattle competition.

The visitor found much to interest him in the market pens of the stock yards. If this were his first visit at this season of the year, he would be surprised at seeing so many cattle of the "feeder" and "stocker" classes. A noticeable fact is that among these the "branded" cattle are in better flesh than those from the pastures. But the farmer who has the feed can surely find at the stock yards any variety of animals with which to turn the corn into meat.

At any great show one of the most interesting exhibits is the people who attend. At this show more than the usual number of stockmen's families were to be seen. If one were asked to select those who came from the country by any manifest difference from their city cousins, he might succeed fairly well in the case of the men, for by the middle of latter part of the week the country man's beard is usually plainly in evidence, while the city man of equal financial standing is apt to be clean shaven. The older women from the country have not, as a rule, cultivated the Bernhardt form to the same extent as have most women in the cities. But the middle-aged and younger women from the country could not be distinguished from the city cousins. They were tastefully dressed and at ease. In comments on exhibits the country girls were far superior to those from the city.

The American Royal is a firmly established institution. It costs a good deal of money, but as an educator and as a sale of good stock it is worth the price. The one important question of its future is that of room. The efficiency of its projectors has been equal to all demands in the past and may be trusted for the time to come.

PROFESSOR WEBSTER WILL REMAIN AT WASHINGTON.

When the Regents of the Kansas Agricultural College a few days ago offered the chair of dairy husbandry to Ed. H. Webster, chief of the dairy division of the U. S. Department of Agriculture, everybody interested in dairy work in Kansas was pleased at the prospect of the return of this graduate of the college to his alma mater. On many accounts Mr. Webster would have found the resumption of residence in Kansas desirable. He knows well the work to which he was called, having been an assistant in that department after his graduation.

Perhaps if the determination had been left solely to Mr. Webster and his Kansas friends his decision would have been to return. But the dairy interests of the United States are

great, and are represented by some of the ablest men. These raised their voices in protest against the proposition to take Mr. Webster out of the National work. This, together with the fact that he has started several lines of important work at Washington turned the scales against the proposed change.

The fact that, while holding a \$2,500 position, this young man is urged to take another at the same money should be an added incentive to every boy in college to persist in good work. The lesson would be even more impressive could it be known that Ed. Webster met and overcame as many discouragements as fall to the lot of a Kansas youth in quest of an education.

KANSAS AND THE FARMERS' INSTITUTES.

According to the last Year Book of the United States Department of Agriculture, farmers' institutes were held last year in all the States and Territories of the Union excepting Alaska, Florida, Nevada, New Mexico, and Washington. In every State, excepting Missouri and Porto Rico, which were not reported, appropriations were made by the State for their support or assistance. The published summary of the work shows some interesting facts. For instance the largest appropriation for this important work was \$30,281.55 made by Illinois, which held 108 institutes; the second largest appropriation, \$20,500, was made by Pennsylvania, which held 226 institutes. Nebraska spent \$8,607 of State money on 160 institutes; Iowa, \$8,096 on 69 institutes; Minnesota, \$20,238 on 105 institutes; Colorado, \$4,000 on 40 institutes, while Kansas held 155 institutes attended by nearly 30,000 farmers and only expended \$2,000 of State money.

While this record speaks volumes for the efficiency of the Kansas State Agricultural College under whose auspices these institutes had been conducted for the past 28 years without State aid and for two years with it, the fact remains that it has been a heavy draft upon the resources of the institution.

Illinois expended an average of more than \$281 on its institutes while Kansas only expended a little more than \$125 per institute and held many more of them. The work entailed by these institutes has been a heavy draft upon the time of the professors whose salaries are paid out of the college funds and whose time is taken away from their class-room duties. Surely these figures contain sufficient argument for a more liberal appropriation for the benefit of the farmers' institutes of the State so that the Agricultural College should not be called upon to bear more than one-half of the expenses out of this meager fund. M.

MUST FIX THE MISSOURI.

The best authority in the United States on questions pertaining to streams, lakes, and other bodies of water is F. H. Newell of the U. S. Reclamation Service. In speaking of the establishment of a deep waterway on the Mississippi River, Mr. Newell is quoted as saying on his return from his inspection trip:

"It is apparent that any general and permanent improvement of the lower Mississippi can be had only after the Missouri river has been permanently improved and caving banks protected by revetment.

"The most instructive part of my trip," he continued, "was that from Kansas City down the Missouri River with the inland waterways commission. During that trip, consideration was given to the present condition of transportation on the Missouri river, and the possibilities of its improvement.

"It is a saying among the inhabitants along the Missouri that the river has a first mortgage on all the land between the bluffs. As this is the richest land in the country and includes a strip from two to ten miles wide, the value of this mortgage runs into the millions.

"The river annually forecloses on several thousand acres of land, and it

is estimated that the value of the land destroyed would pay for the cost of revetting the banks along the entire length of the river where caving occurs.

"The amount of sand and clay washed into the Mississippi above St. Louis is enormous and serves to clog the overloaded stream. It is estimated that each year a volume of earth represented by one square mile 400 feet in depth is thrown into the Mississippi by the Missouri."

That the waterways are presently to be used more largely than during the recent past is not doubted. That they will be improved at public expense is generally conceded. There has been some uneasiness, on the part of persons whose interests will be most promoted by the opening of the Missouri to traffic, least the Mississippi and the proposed ship canal from the lakes to the Father of Waters should monopolize the attention of Congress. The words of Mr. Newell should reassure all such. It is reasonably certain that the views of this great engineer will have great influence in determining the program of improvement.

About 5,000 exhibits of corn, representing almost every State in the Union, were exhibited in the big Coliseum at Chicago last week. The Breeders' Gazette says that never has there been assembled such a bewildering display of corn. All the standard varieties were shown, and hundreds of mixed sorts and monstrosities added interest. The yellow and white dents constituted the bulk of the show. Illinois and Indiana were the largest exhibitors. Connecticut on the east, North Dakota on the north, Texas on the south and California represent the reach of the exposition, and exhibits from Canada added an international tint.

THE KANSAS FARMER is indebted to W. A. Tanksley, Peru, Kansas, for an account of a very interesting show of mules held at Peru, October 5. There were 25 mules on exhibition. Ten prizes were awarded. The average age was 5 months and one day. The average height was 13½ hands. The average weight was 500 pounds. How do these statistics compare with those of other young mules? The Peru Derrick gives Mr. Tanksley credit for promoting the show.

The National Dairy Show kept open house in the home of the International Exposition, Chicago, last week. Nearly 600 dairy cattle of six breeds, and an exhibit of dairy implements and utensils that was comprehensive to the remotest ramification of the industry filled all available space. It was the most extensive, most representative and most comprehensive exhibit of all phases of the dairy industry that this continent has ever assembled.

The trophy at the American Royal stock-judging contest in which Kansas, Missouri, and Iowa agricultural colleges participated was won by the Iowa boys.

Miscellany

Crop Conditions October 1, 1907.

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

The condition of corn on October 1 was 78.0, as compared with 80.2 last month, 90.1 on October 1, 1906, 89.2 on October 1, 1905, and a ten-year average of 79.6.

The preliminary estimate of the average yield per acre of spring wheat is 13.1 bushels, which compares with 13.7 bushels as finally estimated in 1906, 14.7 in 1905, and a ten-year average of 14.0 bushels. The total indicated production of spring wheat is about 216,067,000 bushels, compared with 242,372,966 bushels as finally estimated in 1906. The production of spring and winter wheat combined is about 625,

567,000 bushels, compared with 735,260,970 bushels as finally estimated a year ago. These and other preliminary estimates of yields are subject to such revision and correction, when the final estimates of the Bureau are made in December, as may be found proper through more thorough investigation.

The average quality of spring wheat is 88.8, as compared with 88.5 in 1906, 89.0 in 1905, and 75.7 in 1904.

An average yield of oats of about 23.5 bushels per acre is indicated, as compared with 31.2 bushels finally estimated in 1906, 34.0 bushels in 1905, and a ten-year average of 30.1 bushels. A total yield of about 741,521,000 bushels is thus indicated, as compared with 964,904,522 bushels finally estimated in 1906. The average quality is 77.0, against 88.2 in 1906, 92.4 in 1905, and 91.4 in 1904.

The preliminary estimate of yield per acre of barley is 23.9 bushels, against 28.3 bushels as finally estimated in 1906, 26.8 bushels in 1905, and a ten-year average of 25.5 bushels. A total production of 147,192,000 is thus indicated, as compared with 178,916,484 bushels finally estimated in 1906. The average quality is 88.1, against 89.1 in 1906, 86.2 in 1905, and 88.7 in 1904.

The preliminary estimate of the average acre of rye is 16.4 bushels, against 16.7 bushels as finally estimated in 1906, 16.5 bushels in 1905, and a ten-year average of 15.7 bushels. A total production of 31,566,000 bushels is thus indicated, as compared with 33,374,833 bushels finally estimated in 1906. The average quality is 91.6, against 94.1 in 1906, 92.6 in 1905, and 91.6 in 1904.

The preliminary estimate of yield per acre of hay is 1.44 tons, against 1.35 tons as finally estimated in 1906, 1.54 tons in 1905, and a ten-year average of 1.43 tons. A total production of 61,420,000 tons is thus indicated, as compared with 57,145,959 tons finally estimated in 1906. The average quality is 90.5, against 89.9 in 1906, 89.8 in 1905, and 92.7 in 1904.

The average condition of buckwheat at time of harvest was 80.1, as compared with 77.4 September 1, 84.9 a year ago, 91.6 in 1905, and a ten-year average of 82.9.

The average condition of potatoes on October 1 was 77.0, as compared with 80.2 last month, 82.2 October 1, 1906, 74.3 October 1, 1905, and a ten-year average of 74.7.

The average condition of tobacco at time of harvest was 84.8, as compared with 82.5 September 1, 84.6 a year ago, 85.8 in 1905, and a five-year average of 81.7.

The average condition of flax seed at time of harvest was 78.0, as compared with 87.4 in 1906, 91.5 in 1905, and 87.0 in 1904.

The average condition of rice on October 1 was 88.7, as compared with 87.2 October 1, 1906, 89.3 October 1, 1905, and 87.3 October 1, 1904.

Would Make Wood Alcohol.

EDITOR KANSAS FARMER:—Can you give me any information on the manufacture of wood alcohol? I have a section of land in this county that carries a heavy growth of oak timber, mostly black oak, and is of very little value except for railroad ties. I want to clear the land for pasture, and have thought there might be some way to utilize this apparently useless product, at least to the extent of paying for the cost of clearing the land.

Are there some useful books or pamphlets published on the production of denaturated alcohol? Where can I obtain them? W. L. CROUCH.

Camden County, Mo.

Write to U. S. Department of Agriculture, Washington, D. C., for full information.

Friendly Tachina Flies.

In the animal world, excepting only man, every death, as Ernest Thompson-Seton says, is a tragedy. And it is well for mankind that such is the case; otherwise the varmints and insects which are farm pests would soon overrun the land, defoliate the fields and the trees and the human race would literally starve. But as soon as any particular kind of leaf-destroy-

ing insect becomes over-abundant, a host of natural enemies arise to diminish or even exterminate its rank.

A striking instance in point is the Tachina fly, or rather flies, as there are many species. To the ordinary observer they would probably be confounded with the common house fly. These flies are strictly carnivorous and are the good friends of the farmer. They lay their eggs in countless millions on the bodies of leaf-eating caterpillars, and these eggs hatch and bore into the bodies of their hosts.

"I have seen vast armies of the Army Worm," says Doctor Howard in his Insect Book, "comprising uncountable millions of individuals and have been unable to find a single specimen which did not bear the characteristic egg of a Tachina fly. These flies were present in such numbers that their buzzing, as they flew over the army of caterpillars could be heard at some distance and the farmers were unnecessarily alarmed since they conceived the idea that the flies were the parents of the caterpillars and were flying everywhere and laying their eggs in the grass and wheat." As a matter of fact, one great outbreak of the army worm in northern Alabama was completely frustrated by the Tachina flies, aided by a few other parasites and predatory insects. Work done by them in following out their natural instincts would have cost the State or the farmers hundreds of thousands of dollars, while the damage to crops which they prevented by destroying the worms would have footed up into the millions.

DEADLY TO THE CATERPILLARS.

The eggs of the Tachina fly are whitish and are stuck by a gummy substance to the surface of the insects to which the future larvae are to look for their food supply. The small white eggs can frequently be seen attached to the back of some unfortunate caterpillar. From the under side of each egg there hatches a maggot which bores its way through the skin of the host insect and penetrates into its body, where it lives, nourished upon the fatty matter and lymph, until it reaches full growth, usually if not always destroying some vital organ so as to cause the death of the host insect.

Not always, however, does the Tachina maggot come out on top, so to speak. It used to be thought that every caterpillar to which the Tachina fly attached an egg was doomed; but it often happens that the mother Tachina fly, with a faulty instinct, places her eggs upon the back of a caterpillar which is about to cast its skin and in such instances the latter moults before the eggs of the Tachina fly have had time to hatch, so that when they do hatch, the young maggots find themselves out in the cold world, instead of reveling the interior of a well-fed caterpillar. GUY E. MITCHELL.

Twentieth Century Homes.

The interesting and original country home here illustrated is one that we know will appeal to our many friends as possessing the advantages of arrangement which will lessen the numerous duties of the housewife and prove a source of enjoyment to all.

The average farmer at first glance would say that this house is too elaborate but a careful study of material used and cost of construction will prove that it is a home which can be very economically built. The excavation for the cellar in some localities will provide sufficient gravel for the concrete mixture for the foundation and also for the concrete blocks for the remainder of the building.

Tile is specified for the roof, but if this is too expensive we would recommend tin which would be less liable to catch fire than shingles.

A careful study of the interior will show that the architect appreciates the necessities of a country home. The large kitchen opens into a good pantry which also connects with the dining room; into a milk room which has a door to the porch; into a good bathroom, and a large wash room which can be used as a coat room for the men.

The large dining room is 16½ by 10 feet, has a bedroom off of it and

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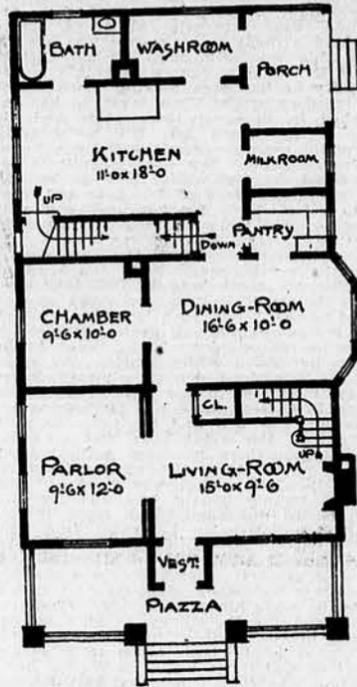
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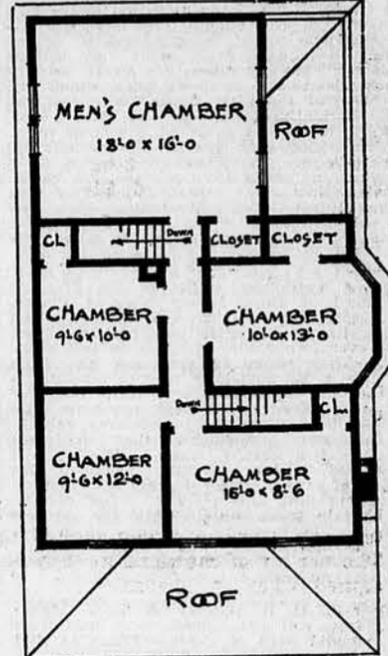
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FIRST FLOOR PLAN.



SECOND FLOOR PLAN

is also connected with the living room.

The large living room and parlor are connected by sliding doors, which gives a room spacious enough for all occasions. The cheery fireplace adds much to its attractiveness.

Second floor has four good rooms and a large room for the men.

The attic is used as a store-room but two good rooms could be finished there if needed.

No. 1121 complete plans, specifications for \$25.

Cellar height 7 feet; first floor 9 feet; second floor 8½ feet. Total length 44 feet; total width 29 feet. Estimate cost about \$3,000.00.

Those who intend to build and have not secured a copy of the book Twentieth Century Cottages should do so at once as the ideas contained in it are invaluable for those about to build.

It will be mailed, postage paid to any address upon receipt of 25 cents in stamps. Address all letters to the Home Building Department, care THE KANSAS FARMER, Topeka, Kansas.

A FINE STYLE BOOK FREE.

Nebraska Clothing Company Issues Elegant Book Printed in Two Colors—Sent Free for a Postal.

The Nebraska Clothing Co. have just issued their semi-annual fashion book for men and boys, showing every correct and approved style for the season 1907-8.

This book is valuable to every household—with it you do not have to guess at the correct dress for any occasion. It tells you and tells you correctly.

Forty pages of illustrations and descriptions of every popular article of apparel for men and boys, with a liberal assortment of samples of the newest cloths.

This book will be sent you for the asking—a postal will do. Simply address the Nebraska Clothing Co., 113-115 Main Street, Kansas City, Mo., and ask for Book 16 and mention THE KANSAS FARMER.

Field Notes

LIVE STOCK REPRESENTATIVES.

J. W. Johnson.....Kansas and Nebraska
L. K. Lewis.....Kansas and Oklahoma
Geo. E. Cole.....Missouri and Iowa

Entries for International Live-Stock Exposition, held at Union Stock Yards, Chicago, November 30 to December 7, 1907, close November 1.

W. H. Bullen & Son, owners of the Belleville herd of Poland-China swine at Belleville, Kans., change their advertising card this week in order to announce some bargains in big-boned, growthy spring boars of good quality for sale.

T. F. Guthrie, owner of the Guthrie Ranch Berkshire herd, Strong City, Kans., says: "I am paying strict attention to the development of the farmer's hog. Too many of the breeders are trying to breed a type and are neglecting the real end of the hog."

C. W. Taylor, owner of the Pearl Shorthorn herd at Pearl, Kans., is also a breeder of Duroc-Jersey swine. He has made a change in his advertising card, announcing to farmers his sale of hogs that have been raised on alfalfa with an occasional bite of corn and mill feed.

The Kansas Farmer is in receipt of a letter from R. F. Norton, Clay Center, Kans., in which he says: "I don't hold public sales but sell mostly on mail orders, so you don't find the best culled out for public sales and you have here the chance to buy the best."

F. F. Oerly, of Oregon, Mo., of Meddler-Maker fame, reports that every thing is moving swimmingly at "Nichols' Grove Stock Farm," and that the Poland-Chinas are getting in fine condition for this sale Nov. 23.

Grant Chapin, the big Duroc-Jersey breeder at Green, Kans., calls attention to the fact that some of the papers who advertise his sale and who might be supposed to be interested in it have made some very serious blunders.

Thomas Watkinson, owner of the Pleasant View herd of Duroc-Jersey hogs at Blaine, Kans., says his pigs are coming nicely and growing like weeds. He now has the finest lot he ever owned and of types to suit every fancy.

October 21, C. B. Weaver & Son, Wakefield, Kans., will sell a draft of 40 head from their splendid herd of Poland-Chinas at that place which for high quality as well as general usefulness it would be hard to duplicate.

We call special attention to the first annual sale of standard bred horses from the Granite Creek Stock Farm, Cawker City, Kans., to be held October 26, 1907.

S. Batty, editor of the Western Horseman states in that journal that the Granite Creek Stock Farm is the only farm in the Missouri Valley that owns and keeps two 210 sires in their stud.

Chas. M. Johnston, Secretary of the Improved Stock Breeders' Association of the Wheat Belt at Caldwell, Kans., announces that he is ready to receive entries for the second annual sale of this association which will be held at Wichita, Kans., on December 4 and 5 next.

J. H. Adams of Grain Valley, Mo., is a heavy consignor to the sale of O. I. C. swine which he will hold in connection with Alvey Bros., of Argentine, Kans., at Independence, Mo.

Willkie Blair, the Red Polled breeder of Girard, Kans., is advertising some of his cattle for sale. He says: "The young bulls offered are 10 to 14 months old and all sired by the imported in-dam bull, and St. Louis World's Fair Winner, Linwood Lad 9492, whose dam is one of the good milkers of the breed and whose sire was the twice Royal Champion Majollino 3600."

Recent sales have been the cow 14547 Beulah Bride R8, her two-year-old heifer 25457 Bonnie Bride, by Linwood Lad and her heifer calf by Ranchman 14996 Bride A12, and 23285 Senora K2, to Chas. A. Peres of Lebo, Kans.

Wednesday, October 30, is the date of Grant Chapin's breeders sale of gilt-edged Duroc-Jerseys at the Agricultural College at Manhattan, Kans. Mr. Chapin's crop of last spring pigs numbered around 175 and since farrowing time he has had this sale at the Agricultural College in mind.

The thorough ploughing of a field is a long step in the direction of a good crop. The farmer who tickles the land with a hat pin with one hand and sows his seed with the other might about as well plant his corn on a tin roof.

shaved." The man who uses the right soap gets a shave which is impossible under any other circumstances. Shaving soap should soften the beard and prepare the skin for the razor. Williams' Shaving Soap does.

C. A. Lewis Sells Poland-Chinas. 25 boars, average.....\$807.00; average.....\$32.23
15 females.....\$77.00; average.....25.15
40 head.....1184.50; average.....29.73

On Friday, October 18, C. A. Lewis, of Beatrice, Neb., sold 40 head of Poland-Chinas to a good crowd of breeders and farmers. The larger part of the offering was spring males and gilts, with a few good fall boars and gilts, and his herd boar Corrector who was listed as number 1 in the catalogue.

Mr. Lewis' consignment was well filled and was largely the get and produce of his great prize-winning herd which he exhibited at the several State fairs this fall winning many prizes. Norval Chief a grandson of Chief Tecumseh 2d and Challenger, a grandson of Mischief Maker headed this show herd and they are the sires of most of this offering.

There were breeders present from Kansas and Nebraska, and considering the quality of the offering, prices were moderate. Mr. Lewis will hold a bred sow sale in the spring and his consignment will be a choice one, consisting of some of his best breeding females, bred to his prize-winning boars Normal Chief and Challenger.

Col. Burger did the selling in a manner that realized the highest price for every animal sold.

- A list of the representative sales follow:
1 Corrector 30057, M. H. Coburn, Beatrice, Neb.\$42.00
2 Boar, Peck & Bethwisch, Ft. Calhoun, Neb. 50.00
3 Boar, Geo. Polberts, Beatrice..... 37.00
4 Boar, Geo. Idus, Beatrice..... 31.00
5 Boar, Jno. Herald..... 23.00
6 Boar, J. F. Sledick, Weston, Neb..... 35.00
7 Gilt, C. Jensen & Son, Belleville, Kan. 30.00
8 Boar, Jno. Canthers, Courtland..... 22.00
9 Gilt, Sol Bowers, Blischoff..... 35.00
10 C. P. Potts, Courtland..... 50.00
11 Boar, Jno. Herald, Lewiston..... 22.00
12 Boar, C. Sonderegger, Beatrice..... 40.00
13 Boar, Beerenstrauch, Dewitt..... 26.00
14 Gilt, M. T. Miller, Frith..... 21.00
15 Gilt, A. R. Sugar, Pickler..... 25.00
16 Boar, J. P. Whaland, Courtland..... 33.00
21 Boar, Farmer & Saddle, Juniata..... 21.00
22 Gilt, C. A. Welbe, Beatrice..... 22.00
23 Gilt, Lee Stanford, Lyons..... 27.00
24 Boar, H. M. Hustis..... 30.00
25 Gilt, C. Smith, Tecumseh..... 24.00
26 Gilt, S. W. Broan, Beatrice..... 31.00
29 Boar, H. F. Dushman, Pickler..... 36.00
30 Boar, J. T. Ellerbeck, Beatrice..... 37.50
31 Boar, M. H. Coburn, Beatrice..... 23.00
32 Boar, C. E. Wakefield, Beatrice..... 22.00
37 Gilt, J. T. Whaland, Courtland..... 23.00
38 Gilt, C. A. Gale, Filley..... 21.00
39 Boar..... 21.00
40 Gilt..... 25.00
42 Boar, H. Vonsteen, Beatrice..... 33.00
43 Gilt, C. Smith, Tecumseh..... 20.00
45 Boar, S. B. Vorheese, Beatrice..... 25.00

Blain's Greatest Public Sale. 28 boars, average.....\$109.19
24 females.....\$1,291.18; average.....\$53.80
52 head.....4,348.50; average.....\$83.63

On Tuesday, October 15, John Blain, of Pawnee City, Neb., sold fifty-three head of "Blain's Big Kind" of Poland-Chinas at an average of \$83.63. This was one of the best sales that Mr. Blain ever held, and judging it on a basis of a clean, substantial profit and the age of his offering, which was nearly all spring stuff, it was one of the best ever held.

This was generally conceded to be one of the choicest individuals in the offering. Other good ones were bought in a number of instances by some of Mr. Blain's former customers. Buyers were present from Nebraska, Kansas, Iowa, Missouri, Indian Territory, and Minnesota. There were bids from all of these States and South Dakota, Ohio, and Illinois in addition.

- 1. J. O. James, Bradyville, Ia.....\$225.00
2. Theo. Wisner, Burns, Kans..... 105.00
3. Henry Dorr, Remsen, Ia..... 51.00
4. N. O. Sears, Port, Okla..... 67.50
5. Chas. M. Hulbert, Oakland, Neb..... 66.00
6. H. L. McKelvie, Fairfield, Neb..... 350.00
7. Jno. Triggs, Dawson, Neb..... 200.00
8. P. S. Going, Liberty, Neb..... 57.50
9. Chas. Hubert, Oakland, Ia..... 192.50
10. H. L. McKelvie..... 103.00
11. Chas. Lewis, Sabetha, Kans..... 60.00
12. Frazier & Son, Fort Cook, Neb..... 136.00
13. T. E. Durbin, King City, Mo..... 57.00
14. Albert Schrowl, Greenleaf, Kans..... 102.50
15. J. R. Wisner & Son, Hastings, Neb..... 130.00
16. John R. Triggs, Dawson, Mo..... 70.00
17. Robt. Leifer, Auburn, Mo..... 62.50
18. Eli Zimmerman, Fairview, Kans..... 57.50
19. J. O. James, Bradyville, Ia..... 42.00
20. J. B. Simkins & Son, Dewitt, Neb..... 41.00
21. Henry Dorr..... 47.00
22. John Herold, Lewiston..... 95.00
23. Henry Dorr..... 41.00
24. E. B. Eddy, Mound City, Mo..... 42.50
25. C. R. Hannah, Tarkio, Mo..... 61.00
26. O. M. Sears, Port, Okla..... 110.00
27. Aye Bros., Blair, Neb..... 40.00
28. T. E. Durbin, King City, Mo..... 62.50
29. Eli Zimmerman..... 44.00
30. Egrist & Stout, Humboldt, Neb..... 27.00
31. W. E. Epler, Diller, Neb..... 40.00
32. Geo. Ruhl, Pawnee City, Neb..... 38.00
33. W. H. Bullen..... 42.50
34. F. W. McIntyre, Red Oak, Ia..... 130.00
35. O. M. Remington, Takoma, Neb..... 120.00
36. Eli Zimmerman..... 39.00
37. J. B. Simkins & Son, Dewitt, Neb..... 37.00
38. H. C. Lutz..... 90.00
39. Jno. Nofsager, Duboise, Neb..... 34.00
40. E. E. Williams, Sabetha, Kans..... 29.00

Mayer Martha Washington COMFORT SHOES. Thousands of women thoroughly enjoy the genuine relief and comfort of Martha Washington Comfort Shoes. They fit like a glove and feel as easy as a stocking. No bother about buttons or laces; they just slip on and off at will. Elastic at the sides prevents pinching or squeezing, and "gives" with every movement of the foot. Absolute comfort guaranteed. Your dealer will supply you; if not, write to us. Look for the name and Trade Mark on the sole. F. MAYER Boot & Shoe Company MILWAUKEE, WIS. "Solid Comfort"

Headache Sufferers Do you want relief—in just a few moments and no bad after-effects. If so, you have only to take, Dr. Miles' Anti-Pain Pills. If subject to headache, have them with you always. No harm can come from their use, if taken as directed, as they contain no opium, chloral, morphine, cocaine, chloroform, heroin, alpha and beta eucaine, cannabis indica or chloral hydrate, or their derivatives. Ask your druggist about them. "It gives me great pleasure to be able to refer to the Dr. Miles Anti-Pain Pills as the best remedy we have ever had in our house for the prevention and cure of headaches. My wife who has been a constant sufferer for years with the above complaint, joins me in recommending Dr. Miles' Anti-Pain Pills, hoping they may fall into the hands of all who suffer." J. I. BUSH, Watervliet, N. Y. Dr. Miles' Anti-Pain Pills are sold by your druggist, who will guarantee that the first package will benefit. If it fails, he will return your money. 25 doses, 25 cents. Never sold in bulk. Miles Medical Co., Elkhart, Ind

HORSE OWNERS! USE GOMBAULT'S CAUSTIC BALSAM. A safe, speedy and positive cure. The safest, most BLISTER ever used. Removes all bunces from Horses, impossible to produce scar or blemish. Send for descriptive circulars. THE LAWRENCE-WILLIAMS CO., Cleveland, O.

- 45. M. T. Kavanaugh, Greeley, Neb..... 70.00
- 46. T. J. Misner, Sabetha, Kans..... 125.00
- 47. Substitute, A. Ramsey, Dawson, Neb. 138.00
- 48. M. F. Kavanaugh, Greeley, Neb..... 56.00
- 49. S. K. Bean, Beatrice, Neb..... 49.50
- 50. C. R. Hannah, Tarkio, Mo..... 32.00
- 51. Aye Bros., Blair, Neb..... 66.00
- 52. Frank Fisher, Virginia, Neb..... 43.00

G. W. Colwell Sells Durocs.

On Wednesday, October 16, G. W. Colwell, of Summerfield, Kans., held his first annual sale of Durocs. The offering consisted of 40 head, a large part of which were spring males and gilts which were well grown and nicely fitted, and was a credit in every respect to Mr. Colwell as a breeder.

The offering included 2 sows with litters, some very fancy fall yearling gilts, his herd boar Pawnee Chief one of the best sons of Nebraska Wonder who now heads the herd of Chester Thomas at Waterville, Kans., and Valley Chief a full brother to Pawnee Chief. Nearly all of the spring stuff and some of the sows and fall gilts were by A. E. Top Notcher, a grandson of Top Notcher 8803a. A. E. Top Notcher is at the head of Mr. Colwell's herd and is proving himself a good sire, his pigs being large and smooth, with heavy bone, and extra good backs. There was a good crowd of farmers and breeders present, and the stuff brought fair prices.

The top of the sale was a very fancy fall gilt, No. 17 in the catalogue, got by King Dalton 61541, he by Nebraska Wonder, dam Lady Livingstone. She went to C. E. Pratt of Frankfort for \$51.00; there were a number of others that brought good prices.

The total amount realized from the sale was \$800, and the general average was \$20.00. Cois, Manifold and Kinney did the selling in a very satisfactory manner. Following is a representative list of the sales:

- Pawnee Chief 49559, W. H. Smith, Seneca, Kans. \$30.00
- 5. Gilt, J. F. Brady, Summerfield..... 21.00
- 12. Boar, M. A. Colwell, Summerfield..... 25.00
- 16. Gilt, H. Rouse, Hiawatha..... 28.00
- 17. Gilt, C. Pratt, Frankfort..... 51.00
- 21. Gilt, Mr. Plunkett, Summerfield..... 20.00
- 41. Gilt, C. A. Wright, Rosendale, Mo..... 30.00
- 45. Gilt, Mr. Homing..... 25.00
- 47. Lady Roberts 3d, F. Fennaman, Liberty..... 31.00
- 50. Fannie Corrector, M. A. Colwell..... 50.00

E. D. Ludwig Sells Shorthorns Nov. 5.

On another page of this issue of The Kansas Farmer, E. D. Ludwig of Sabetha, Kans., is advertising his splendid offering of Scotch and Scotch-topped Shorthorn cattle which he will sell at public auction on his farm two miles north of Sabetha, Tuesday, November 5.

We desire to call the especial attention of all lovers of good cattle to Mr. Ludwig's sale announcement and the splendid offering described therein. Mr. Ludwig is one of the good breeders of Shorthorns in Kansas and Nebraska, and no herd stands higher than this one. To find a place in his herd they must be good cattle. Flesh, thrift, constitution, breeding, ability, these are the things Mr. Ludwig requires, and he has shown rare judgment in developing these qualities in his herd, and in seeking this kind he has gotten together a good deal of the breed's best blood, and has used some of the best sires ever used in the State.

Mr. Ludwig's herd is headed by Barmpton Knight 148795 a pure Scotch bull of great substance and quality, and an excellent breeding animal as his get will show. A large part of the young stuff in the offering are by him. A number of the cows to be sold have calves at foot by him, and the females of breeding age will be bred to him.

Mr. Ludwig's offering will consist of 11 bulls and 39 cows and heifers. The bulls are young ones and two-year-olds, and are a growthy toppy lot. They are straight Scotch, or heavily Scotch-topped and with very few exceptions are fit to head good herds.

In color they are roans and reds, and are thrifty, vigorous fellows with plenty of bone, scale, and finish, and good fleshing qualities. The females in the offering are as well-bred as the bulls, of good color (roans and reds) and individuality, and are noted for their fleshing, milking, and sure-breeding qualities. They are of different ages, but most of them are young and just coming into their usefulness. In looking over Mr. Ludwig's offering the writer noted a number of attractions, some of these are: the straight Scotch yearling bull, Ring Leader, by Barmpton Knight, dam Redbud 2d, a pure Scotch Cow, one of Mr. Ludwig's best producers, and a heavy milker.

Ring Leader is as good individually as he is well-bred and is fit to head a good herd. Bashful Conqueror 2d, 2-years-old, by Bashful Conqueror, is a pure Scotch, he has been used some in Mr. Ludwig's herd and has proved himself a good breeding animal. Another attraction is, a straight Scotch yearling bull by Prince of Tebo Lawn, and a good prospect for a herd-header. Another very fine Scotch yearling bull is by Golden Laird, he by Golden Lad. There are also a number of Scotch-topped young bulls by Barmpton Knight, that are good ones in every particular and should find a place in good herds.

Among the females are some very choice individuals, one of these is Princess, a beautiful 3-year-old by Barmpton Knight, and out of Gentle Phyllis, one of his best cows, another good one is Rose Lovely by Sir Charles, dam Midnight Maid, tracing to Imp. Sanspareil.

The offering will be well fitted, not too fat, but in good, thrifty breeding condition.

The cattle sale will commence promptly at 1 P. M. During the forenoon of Nov. 5, Mr. Ludwig will sell some Poland-Chinas and Duroc-Jersey swine. Among the Polands will be some fancy gilts by Johnston's Chief 35774 and bred by Jno. Blaine of Pawnee City.

In the Duroc offering there will be some toppy spring boars by Leader, and one extra good fall boar by Crimson Wonder 2d, dam Kansas Girl by Hunt's Model. There will be something here for all, and there are sure to be bargains. Mr. Ludwig wants you to come early and spend the day with him. Write for a catalogue and arrange to attend this sale. Don't forget the time and place, Tuesday, Nov. 5, Sabetha, Kans.

Last Call for Bancroft's Coming Sale.

D. O. Bancroft, one of the good Duroc-Jersey breeders of Kansas, will hold a public sale at his farm six miles south of Downs, Kans., Thursday, October 31. This is Mr. Bancroft's first sale and he is selecting a lot of his best young things in order to draw buyers who appreciate the best. He will sell 44 head consisting of 4 last fall boars, 18 spring boars, 4 fall gilts and 18 spring gilts representing a big variety of breeding a good part of which is right up-to-date. Among the different animals the fieldman put down as attractions are: three extra good boars and one gilt by Missouri Gold Finch 49489 and out of Nellie Climax by II Climax 23361. (The dam of Nellie Climax was Nellie Wonder 2d by Gen Paul 11th.) Two boars are by a son of Champion 49200, the great sire that is a son of Tip Top Notcher and out of the World's Fair champion sow, Dottie. The dam of this pair of boars is a great sow sired by O. K., a great sire of the noted Buddy K. 4th. Their dam is the fine sow Mo's Jewell by the great prize winner, Joe, the boar that won first in class at St. Louis World's fair in the

Last Call for Alvey Bros.'s Sale.

Do not forget the great O. I. C. sale at Independence, Mo., on Nov. 2. This is an important event in O. I. C. history. The consignors to this sale are: Alvey Bros., of Argentine, Kans; Glover & McGynne of Grandview, Mo., and J. H. Adams of Grain Valley, Mo.

The offering consists of hogs that have gone out in the show ring and carried off honors in hotly contested shows. It is the blood that was so much in evidence at the great World's Fair at St. Louis, and was made famous by their large winnings there. Send to any of the above mentioned gentlemen for a catalogue and mention The Kansas Farmer.

Garrison's Big Polands.

A. B. Garrison of Summerfield, Kans., reports a good sale on the fifty growthy, big-boned Poland-China spring boars that he is advertising in The Kansas Farmer. He is shipping out spring boars that weigh right around 300 pounds, and they have quality as well as size, and are strong, vigorous fellows fit for hard service when the breeding season opens. These young males are by Mr. Garrison's 1000 pound show boar Prince You Tell,

From Calf to Yearling



A horse, cow or steer—any domestic animal—is, in a sense, what the breeder makes it. An inherited tendency toward heavy milking or capacity for fattening may be intensified by judicious management on the part of the feeder until succeeding generations excel the parent stock. The feeder can change an unthrifty animal into one that proves profitable. This developing of characteristics is made possible by the modern science of feeding as understood by up-to-date farmers. Hence the first twelve months in the life of a calf become of vital importance as largely determining its future usefulness. Now, to rightly develop a calf with large appetite, it's necessary to *strengthen digestion* so that increasing ration may be met by increasing appetite and no derangement result from over-feeding. To do this, give regularly, twice a day, small doses of

DR HESS STOCK FOOD

A TONIC

In the grain ration. This is the prescription of Dr. Hess (M.D., D.V.S.) and contains bitter tonics, iron for the blood and proper nitrates to cleanse the system. It acts upon the digestive organs, correcting any tendency toward indigestion and enabling the animal to assimilate great quantities of food; hence compels rapid growth and permanently fixes the feeding habit.

Dr. Hess Stock Food gives increased appetite for roughage and, by aiding digestion, prevents much loss of nutriment in the manure. Corrects all minor stock ailments and costs but a penny a day for a horse, cow, hog or steer. Its ingredients are endorsed by Professors Quitman, Winslow and Finley Dun, the greatest medical writers of the age.

Sold on a written guarantee.

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

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

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

DR. HESS & CLARK, Ashland, Ohio.
Also manufacturers of Dr. Hess Poultry Pan-a-c-o-a and Instant Louse Killer.

INSTANT LOUSE KILLER KILLS LICE



strongest kind of competition, also won at Missouri State Fair the same year. Eight of the boars in sale are by Bancroft's Model, a son of Auction Boy 3d, and out of carefully selected dams by such sires as Athol Improver, Great Orion and other good sires. The offering is a good one and the sale should attract buyers from quite a distance. Bids may be sent to J. W. Johnson of The Kansas Farmer, in Mr. Bancroft's care, at Downs, Kans.

The Dr. B. P. Smith Sale.

Dr. B. P. Smith, the Poland-China breeder of Longford, Kans., held one of the best sales of the season at Miltonvale, on October 10. This sale was well advertised and a large crowd of buyers was present and the way they snapped up the good things was a compliment to the Doctor's skill as a breeder. This sale was conducted by the three Kansas auctioneers, Cois, Burger, Brady, and McCullough in the Kansas way, which is the "get there" way. While the Doctor has lately sustained the loss of two boars of more than State reputation he never lost his grip and now has the satisfaction of knowing that the breeders appreciate his kind of Polands and will be back after more. C. W. Dingman of Clay Center, Kans., topped the sale with No. 3 at \$200. J. M. Baler of Elmo, Kans., came next with No. 4 at \$165. Lou Rickley, Oak Hill, Kans., got No. 9 at \$162.50. No. 22 brought \$100 and went to W. J. Honeyman, Madison, Kans. No. 32 went to J. J. Ward, Belleville, Kans. on a bid of \$125. No. 31 also went to Mr. Ward at \$75. F. D. Winn, Randolph, Mo., got No. 41 at \$70. The summary of the sale shows that: 10 boars brought \$255, an average of \$25.50; 28 sows brought \$1,733, average \$61.90; 38 head brought \$1,591, average \$42.40. Quite a number of the best of the sow offering ranged above \$50 and the balance sold at \$25 and \$50 each. The boars were in fair demand and sold reasonably well.

Harshaw's Big Poland-Chinas.

H. H. Harshaw of Butler, Mo., breeder of Poland-Chinas, will sell at public auction at his home city Nov. 8, 1907, 50 head of the big-boned prolific Poland-Chinas.

Mr. Harshaw has visited some of the best herds of this breed of hogs and has purchased individuals of outstanding merit to place in his own herd. His stock was on exhibition at several of the fairs this season and always carried off their share of the honors, and it is of the produce of these individuals that he will offer in his sale.

Mr. Harshaw is a breeder of considerable experience and ability and held several successful sales in the past and the offering in his coming sale warrants us in making the prediction that this will be no exception to the rule.

The offering is in excellent condition and the kind that will go out and make money for the purchaser. If you are interested in the big-boned kind do not fail to attend this sale which will be held under cover, every arrangement has been made to comfortably take care of you that your visit will be pleasant and profitable.

Send for one of his catalogues which will give you full information relative to breeding etc. Kindly Mention The Kansas Farmer.

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and Gold Metal (a grandson of Expansion) who, Mr. Garrison says, is the largest hog of his age he ever saw. This is the place to buy the big, smooth kind that make pounds and fill the pork barrel.

Mr. Garrison is pricing the boars right at from \$25.00 to \$50.00. Here is the place you get the most pig for a dollar. If you need a good boar write Mr. Garrison about these at once, before all the best ones are taken. When you write please mention The Kansas Farmer.

Colbert's Hot Blood Poland-Chinas.

B. H. Colbert & Co., of Tishamingo, I. T., claims December 17, 1907, as the date when they sell Poland-Chinas at Wichita, Kans.

Mr. Colbert needs no introduction to the breeders of Poland-Chinas as he has been a conspicuous buyer at many of the best hog sales of the country and has built up a herd of Poland-Chinas second to none in the corn belt, as the winnings he has made at some of the hottest hog shows of this season will testify.

He is a thorough gentleman and a critical hog man and we predict for him one of the great hog sales of the season. A complete synopsis and review of his herd will be given in a later issue of The Kansas Farmer, in the meantime it may be well for you to get in communication with him with reference to his offering.

Hutchison's Good Durocs.

W. T. Hutchison, the Duroc breeder of Cleveland, Mo., will sell 50 head of choice Duroc-Jersey hogs at his farm 2 miles north-east of Cleveland, Mo., November 13, 1907.

Mr. Hutchison has been a successful exhibitor at some of the best stock shows this season and his herd ranks with the best Duroc herds of the country. Drexel Pride, by Climax 2d, he by Old Climax, stands at the head of his herd and is the sire of the offering. Drexel Pride was first prize winner at Sedalia this fall and second at the American Royal. This is a great hog individually and a grand breeder. Some of 'as good stuff as will go through the sale ring this fall is to be found in this offering, it is well grown out and in good condition. Watch these columns for further mention of this good herd.

Hunter & Smith's Prize-Winning Jerseys.

In this issue of The Kansas Farmer you will observe the ad of Messrs Hunter & Smith, of Beatrice, Neb., who are extensive breeders of Jersey cattle, announcing that they will sell 25 head of cows from their prize-winning herd. These cows are either fresh or in calf to the bulls that have won honors all over the west during the past four years, in some of the best shows of the country. We have seen some of these cattle and know personally a few of Hunter & Smith's customers and do not hesitate to recommend them to anybody wanting dairy cattle. They not only produce the kind that win individually, but in milk test they are not found wanting. This stuff will be priced right and if you are interested in dairy cattle it will be worth your while to get in touch with these gentlemen and learn more about their offering. Watch these columns from time to time for further mention relative to this good herd.

W. H. Trospen, Frankfort, Kans., is an auctioneer of ability, who is rapidly forging to the front. He has already booked a nice lot of sales for both fall and winter, but still has open dates that he will gladly fill either as first or second man. Mr. Trospen has been kept pretty busy in the vicinity of Frankfort and has not had the opportunity of getting far from home and desires to extend his field of operations somewhat and would be glad to secure a few sales from a distance and demonstrate his worth on the block. Last week he went to Ottawa County where he conducted one of the biggest sales held in that county in a long time in a highly satisfactory manner. He also attended the Mitchell County Fair the same week where he met many of the breeders of that county. He has the push and energy that counts for so much on the auction block, and is a good mixer of the block as well. He would make you a good sale and his charges are reasonable.

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Des Moines, Iowa.



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A Standard College that comes just a little nearer meeting the demands of modern education than any other College in the country.

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8 Mechanical Engineering	18 Railway Mail Service
9 Machinists' Course	19 Summer School
10 Telephone Engineering	20 Home Study

Instructions given in all branches by correspondence. Board \$1.50, \$2.00 and \$2.50 per week. Tuition in College Normal, and Commercial Courses, \$15.00 a quarter. All expenses three months \$48.40; six months \$91.11, nine months \$132.40. School all year. Enter anytime. 8000 students annually. Catalog free. Mention course you are interested in and state whether you wish resident or correspondence work.

Highland Park College, Des Moines, Iowa.

MENTHOMEXICO

The Great Mexican Salve

For Burns, Scalds, Piles, Chaps, Asthma, Sore Throat and Insect Bites. These goods are guaranteed to give satisfaction or money refunded. Ask your dealer for Menthomexico. If he does not handle it, send twenty-five cents to the

MEXICAN MFG. CO.,

WICHITA, KANS.,

for a jar. Guaranteed under the Pure Food and Drug Law, serial number 2713.

Army Auction Bargains

Tents - \$1.50 up Old Pistols - \$.50 up
Rifles - 1.95 " Officers' Swords, etc. \$1.75 "
ARMY SADDLES 3.00 " Cavalry Sabres " 1.50 "
" Bridles - 1.00 " UNIFORMS " 1.25 "
" Leggings, pr. 1.50 " Shot Carbine " 2.50

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Alfalfa Mills

for making alfalfa meal. Convert \$7 hay into \$20 meal. It is better in every way than bran. interested, write. We Sell Pure Meal.

ALFALFA MILL MANUFACTURING CO.
Newton, Kansas.

SCALES

U.S. STANDARD CATALOG FREE

ALL STYLES—LOWEST PRICES—
AMERICAN SCALE CO.
218 NEW ENGLAND BLDG., KANSAS CITY, MO.



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THE NEVER-LEAK ROOFING

STOP THAT LEAK

The rain will damage the contents of the building and ruin the building itself.

A leak in the roof, no matter how small, is a leak in your purse.

The best way to make repairs is to cover the old roof with a new roof of Congo.

Congo is easily laid over shingles, or tin, or other ready roofings.

Figure up the cost and you will be astonished how cheaply and easily you can get a tight, durable, weatherproof Congo roof. Nails and cement furnished free.

Send to us for Free Sample.

BUCHANAN-FOSTER CO.,

537 W. End Trust Bldg., Philadelphia Chicago and San Francisco

BONDS

To Yield an Income of 6 to 7 Per Cent.

Full Particulars on Application

ORDERS EXECUTED ON THE NEW YORK, BOSTON AND LONDON STOCK EXCHANGES.

J. L. RICE CO., (Inc.) Estab. 1898
International Trust Co. Bldg., 45 Milk St., BOSTON

FIRST ANNUAL SALE OF

Percheron and Standard Bred Horses

GRANITE CREEK STOCK FARM,
CAWKER CITY, KANSAS,
10 O'CLOCK A. M.,

Saturday, Oct. 26, '07

41--HEAD--41

Equity, 2:23 1/2 (in-bred Wilkes stallion) sire of one in 2:10 and four in 2:15. Morgan P. 34494, by Patchen Wilkes, 2:29 1/2, dam May Morgan, 2:14, by Onward, 2:25 1/2. Standard-bred mares in foal to Myron McHenry, 2:15 1/2, sire of E. M. R., 2:07 1/2. Standard-bred colts, fillies and geldings, fashionably bred.

Nado 29781, registered black Percheron stallion; Voltaire 38663, registered black Percheron stallion; Roscoe 41874, registered black Percheron stallion. Also some grade Percheron colts. Write for catalogue to

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DR. C. M. COE, 915 Walnut St. Kansas City, Mo.

Awards at the American Royal

PRINCIPAL WINNERS IN AMERICAN ROYAL, 1907.

SHORTHORN CHAMPIONS.

Grand male—Ruberta's Goods.....Howell Rees, Pilger, Neb.
Senior male—Master of the Grove.....Case & Newell, Carthage, Mo.
Junior male—Ruberta's Goods.....Howell Rees, Pilger, Neb.
Grand female—Alice of Meadowlawn.....C. E. Clarke, St. Cloud, Minn.
Senior female—Alice of Meadowlawn.....C. E. Clarke, St. Cloud, Minn.
Junior female—Rose O'Day.....T. J. Wornall & Son, Liberty, Mo.

HEREFORD CHAMPIONS.

Grand male—Prime Lad 9th.....W. S. Van Natta & Son, Fowler, Ind.
Senior male—Prime Lad 9th.....W. S. Van Natta & Son, Fowler, Ind.
Junior male—Onward 5th.....Funkhouser Estate, Plattsburg, Mo.
Grand female—Phoebe.....Warren T. McCray, Kentland, Ind.
Senior female—Phoebe.....Warren T. McCray, Kentland, Ind.
Junior female—Miss Filler 2d.....Cargill & McMillan, LaCrosse, Wis.

ABERDEEN ANGUS CHAMPIONS.

Grand male—Lord Ellemere.....A. C. Binnie & Son, Alta, Ia.
Senior male—Lord Ellemere.....A. C. Binnie & Son, Alta, Ia.
Junior male—Keymura.....George Kitchen Jr., Gower, Mo.
Grand female—Glenfold Queen 2d.....O. V. Battles, Manquoketa, Ia.
Senior female—Glenfold Queen 2d.....O. V. Battles, Manquoketa, Ia.
Junior female—Queen Lass of Alta 3d.....A. C. Binnie & Son, Alta, Ia.

GALLOWAY CHAMPIONS.

Senior male—Standard Favorite.....C. S. Hechtner, Princeton, Ill.
Junior male—Douglas of Meadowlawn.....Straub Bros., Avoca, Neb.
Senior female—Lady Charlotte.....G. W. Lindsey, Red Cloud, Neb.
Junior female—Lady Douglas 3d.....C. E. Clarke, St. Cloud, Minn.

SHORTHORN CATTLE.

Aged bull: 7 entries shown—First, Master of the Grove, Chase & Newell, Carthage, Mo.; second, Bapton Favorite, C. E. Clarke, St. Cloud, Minn.; third, Whitehall King, F. W. Harding, Waukesha, Wis.; fourth, The Conqueror, T. J. Wornall & Sons, Liberty, Mo.; fifth, Archer, T. K. Tomson & Sons, Dover, Kans.; sixth, Nonpareil Star, John Reiger, Whitewater, Kans.; seventh, Prince of Collynie, H. M. Hill, Lafontaine, Kans.

Two-year-old bull: 8 entries shown—First, Lord Champion, Purdy Bros., Harris, Mo.; second, Signet, Abram Renick, Winchester, Ky.; third, Avondale, Carpenter & Ross, Mansfield, Ohio; fourth, Hallwood Goods, J. H. McCulloch & Son, Creighton, Mo.; fifth, Victoria's Clipper, Everett Hayes, Hiawatha, Kans.; sixth, Royal Orange, J. F. Stodder, Burden, Kans.; seventh, Guthrie Lad, G. A. Betteridge, Buncheon, Mo.; eighth, Modern Foxglove, W. P. Haened, Vermont, Mo.

Senior yearling bull: 7 entries shown—First, Anoka Sultan, by Whitehall Sultan, Harding; second, Flower Knight, by March Knight, Clarke; third, Golden President, by Roan President, Case & Newell; fourth, Ramsden Viscount, by Lavender Viscount, W. A. Betteridge, Pilot Grove, Mo.; fifth, Attila, by Nonpareil Star, Reiger; sixth, Royal Choice, by Choice Goods, W. S. Combs, Yukon, Okla.; seventh, Wild, by Brave Knight 3d, W. T. Hammond, Portis, Kans.

Junior yearling bull: 7 entries shown—First, Snowflake, by Nonpareil Stamp, Clarke; second, Careless Conqueror 2d, by Conqueror, Wornall; third, Ingle Lad, by Collynie, Hill; fourth, Standard Lavender, by Standard Bearer, Stodder; fifth, King of Hearts, by Secret Archer, Stodder; sixth, Scottish Archer, by Secret Archer, Fred Cowley, Hallowell, Kans.; seventh, Golden Ring, by Lord Lovel, John G. Overton, Trenton, Mo.

Senior bull calf: 16 entries shown—First, Ruberta's Goods, by Golden Goods, Howell Rees, Pilger, Neb.; second, Marshal's Best, by Whitehall Marshall, Harding; third, Bruce, by Whitehall Marshall, Harding; fourth, Temptation, by Gallant Knight, T. K. Tomson & Sons, Dover, Kans.; fifth, Nonpareil Diamond, by Bapton Nonpareil, C. E. Clarke, St. Cloud, Minn.; sixth, Monarch's Favorite, by Orange Monarch, Purdy Bros.; seventh, Orange Lavender, by Lavender Viceroy, Kansas State Agricultural College, Manhattan, Kans.; eighth, Lovely's Monarch, by Orange Monarch, Purdy Bros.

Junior bull calf: 11 entries shown—First, Viscount of the Realm, by Lavender Viscount, C. E. Leonard & Son, Buncheon, Mo.; second, Royal Archer, by Archer, Tomson; third, Barrister, by Avondale, Carpenter & Ross, Mansfield, Ohio; fourth, Count Winant, by Whitehall Count, Clarke; fifth, May King, by Choice Goods, Wornall; sixth, White Rock, by Whitehall Sultan, Harding; seventh, Floral King, by Conqueror, Wornall; eighth, Dandelion, by Avondale, Carpenter & Ross.

Aged cow: 8 entries shown—First, Dorothea 2d, by March Knight, Clarke; second, Cherry Lass, by Gallant Knight, Tomson; third, Lot-las, by Saxe Me Not, Carpenter & Ross; fourth, Duchess of Lancaster, by Scottish Pride, Clarke; fifth, Marchioness 14th, by Cathness, Harding; sixth, Anoka Broadhooks, by Ceremonious Archer, Harding; seventh, Ingle Lady, by Collynie, Hill; eighth, 7th Ravenswood Countess, by Lavender Viscount, Case & Newell.

Two-year-old heifer: 8 entries shown—First, Alice of Meadow Lawn, by March Knight, Clarke; second, Missie of Browndale 12th, by Young Nominee, Harding; third, Grace, by Gallant Knight, Tomson; fourth, College Mary, by Ravenswood Admiration, Kansas College; fifth, Browndale Rothnick Rose, by Young Nominee, Carpenter & Ross; sixth, 21st Ravenswood Countess, by Lavender Viscount, Case & Newell; seventh, Sweet Mistletoe, by Collynie, S. C. Hanna, Howard, Kans.; eighth, Wistful, by Collynie, Hill.

Senior yearling heifer: 11 entries shown—First, Poppy 11th, by The Professor, Abram Renick; third, Delightful, by Gallant Knight, Tomson; fourth, Anoka Gloster 2d, by Whitehall Marshall, Harding; fifth, Monarch's Ruby, by Orange Monarch, Purdy Bros.; sixth, Lady Dorothea 3d, by March Knight, Clarke; seventh, Alfalfa Girl, by Aylesbury Duke, J. F. Stodder, Burden, Kans.; eighth, Viscountess of Fairview 7th, by Orange Monarch, Purdy Bros.

Junior yearling heifer: 11 entries shown—First, Rose O'Day, by The Conqueror, Wornall; second, Sweet Duchess of Gloster, by Whitehall Count, Carpenter & Ross; third, Maid Marion, by Choice Goods, Wornall; fourth, Lady Dorothea 4th, by March Knight, Clarke; fifth, Sycamore Secret, by Collynie, Hill; sixth, Ramsden Flower, by Whitehall Marshall, Harding; seventh, Annagathir, by Whitehall Count, Carpenter & Ross; eighth, Glad Smile, by First Attempt, Wornall.

Senior heifer calf: 21 entries shown—First, Sultan's Athene, by Whitehall Marshall, Harding; second, Belle of St. Cloud, by March Knight, Clarke; third, Rosalie, by Orange Monarch, Purdy; fourth, Roan Gown, by Conqueror, Wornall; fifth, Monarch's Viscountess, by Orange Monarch, Purdy Bros.; sixth, Fiddler, by Orange Morach, Purdy Bros.; seventh, Poppy Girl, by Gallant Knight, Tomson; eighth, Quenie, by Bapton Nonpareil, Clarke; ninth, Anoka Countess, by Whitehall Marshall, Harding; tenth, Rose Logan, by Conqueror, Wornall; eleventh, Maxwellton Rosewood, by Avondale, Carpenter & Ross; twelfth, Christmas Lassie, by Archer, Tomson.

Junior heifer calf: 9 entries shown—First, Beaufort Princess 3d, by Bapton Nonpareil, Clarke; second, Snowbird, by Nonpareil Stamp, Clarke; third, Rosetta of Grassland, by Conqueror, Wornall; fourth, Grassland Lovely 3d,

by Careless Conqueror, Wornall; fifth, Winsome Sultana, by White Hall Sultan, Harding; sixth, Sweet Arton, by Whitehall Sultan, Carpenter & Ross; seventh, Bright Eyes, by Archer, Tomson; eighth, Sultana's Victoria, by White Hall Sultan, Harding.

Senior champion bull—Master of the Grove, Case & Newell.

Junior champion bull—Ruberta's Goods, Howell Rees.

Grand champion bull—Ruberta's Goods, Howell Rees.

Senior champion cow—Alice of Meadow Lawn, Clarke.

Junior champion heifer—Rose O'Day, Wornall.

Grand champion cow—Alice of Meadow Lawn, Clarke.

Aged herd: six entries shown—First, Clarke; second, Harding; third, Carpenter & Ross; fourth, Tomson; fifth, Case & Newell.

Young herd: 6 entries shown—First, Harding; second, Clarke; third, Purdy Bros.; fourth, Wornall; fifth, Tomson.

Calf herd: 5 entries shown—First, Clarke; second, Purdy Bros.; third, Harding; fourth, Tomson; fifth, Wornall.

Get of sire: 6 entries—First, C. E. Clarke on get of March Knight; second, Tomson & Sons on get of Gallant Knight; third, Purdy Bros. on get of Orange Monarch; fourth, Harding on get of Whitehall Sultan; fifth, Harding on get of Whitehall Marshall.

Produce of cow: 8 entries—First, Clarke on produce of Dorothea; second, Harding on produce of Lady in Waiting; third, Carpenter & Ross on produce Imp. Avalanche; fourth, Wornall & Sons on produce of Imp. Mayflower; fifth, Tomson & Sons on produce of 2d Duchess of Norwood.

HEREFORD CATTLE.

Aged bull—First Perfection Fairfax, A. C. Huxley, Hunker Hill, Ind.; second, Privateer 2d, Cargill & McMillan, LaCrosse, Wis.; third, Soldier Creek Columbus 4th, E. R. Morgan, Blue Rapids, Kans.; fourth, Admiral Dewey, Cornish & Patten, Osborn, Mo.; fifth, Lamplighter Lad, Whittenburg Bros., Niangua, Mo.; sixth, Strike Twenty, Jno. Hutson, Canon City, Tex.; seventh, Maynard, J. O. Bryant, Savannah, Mo.; eighth, Gen. Grove, J. J. Early, Baring, Mo.

Two-year-old bulls—9 shown—First, Prime Lad 9th, by Prime Lad, W. S. Van Natta & Son, Fowler, Ind.; second, Bonnie Brae 3d, by Benjamin Wilton 4th, Cargill & McMillan, LaCrosse, Wis.; third, Onward 46th, by March On 6th, Estate of Jas. A. Funkhouser, Plattsburg, Mo.; fourth, Young Beau Brummel, by Beau Brummel, Dr. J. E. Logan, Kansas City, Mo.; fifth, Prime Lad 16th, by Prime Lad, Van Natta; sixth, Beau Paragon, by Beau Donovan 3d, Makin Bros., Grand View, Mo.; seventh, Willis, by Lamplighter, Jr., Whittenburg Bros., Niangua, Mo.; eighth, Garfield, by Columbus 53d, S. J. Gabbert, Dearborn, Mo.

Senior yearling bull: 12 shown—First, Benne Brae 6th, by Beau Donald 5th, Cargill & McMillan; second, Cyclone, by Simoon, T. W. Carmichael, Odessa, Mo.; third, Princeps A., by Princeps 4th, Mousel Bros.; fourth, Princeps I Am, by Princeps 4th, Mousel Bros.; fifth, Anxiety Stamp 3d, by Weston Stamp 16th, Cornish & Patten, Osborn, Mo.; sixth, Ideal's Pride, by Beau Ideal, S. L. Standish, Hume, Mo.; seventh, Columbus Prize, by Columbus 53d, Benton Gabbert, Dearborn, Mo.; eighth, Pathfinder, by Beau Donald 4th, W. A. Dallmeyer, Jefferson City, Mo.

Junior yearling bull: 18 shown—First, Onward 54th, by March On 6th, Funkhouser; second, Ben Donald 3d, by Pablo, C. L. Browning, Laredo, Mo.; third, Alto Hesiod, by Hesiod 54th, Mousel Bros.; fourth, Beau Mischief, by Beau President, J. A. Larson, Everest, Kans.; fifth, Lucky Columbus, by Columbus F., S. J. Babbert; sixth, Sally's ale, by Armour Dale, John Hutson, Canyon City, Tex.; seventh, Prince, by Winsome Prince, Hutson; eighth, Beau Adventurer, by Beau Donovan 3d, Makin Bros.

Senior bull calf: 15 shown—First, Keystone King, by Young Beau Brummel, Logan; second, Onward 6th, by March On 6th, Funkhouser; third, Curtis, by Maynard, J. O. Bryant, Savannah, Mo.; fourth, Prime Lad 38th, by Prime Lad, Van Natta; fifth, Perfection Fairfax 3d, by Perfection Fairfax, A. C. Huxley, Bunker Hill, Ind.; sixth, Principal 6th, by Princeps 2d, Makin Bros.; seventh, Princeps 12th, by Princeps 4th, Cargill & McMillan; eighth, Onward 58th, by March On 6th, Funkhouser.

Junior bull calf: 7 shown—First, Castor, by Young Beau Brummel, Jas. E. Logan, Kansas City, Mo.; second, Princeps 15th, by Princeps 4th, Cargill & McMillan; third, Bonnie Brae 12th, by Bonnie Brae 3d, Cargill & McMillan; fourth, Paragon 8th, by Beau Paragon, Makin Bros.; fifth, March Onward 9th, by Onward 4th, S. L. Standish; sixth, Prince 8th, by Winsome Prince, John Hutson; seventh, Major General, by Beau Donald 4th, W. A. Dallmeyer.

Aged cow: 13 shown—First, Phoebe, by Gypsy Chief, Warren T. McCray, Kentland, Ind.; second, Dulcinea 12th, by Paladin, Cargill & McMillan; third, Princeps, by Prime Lad, Van Natta; fourth, Kathleen, by March On 6th, Funkhouser; fifth, Lady Real 30th, by Blue Grass, Huxley; sixth, Princeps Lassie, by Princeps 4th, Mousel Bros.; seventh, Blanche 33d, by Paladin, T. W. Carmichael; eighth, Twilight, by Princeps, Cargill & McMillan.

Two-year-old heifer: 11 shown—First, Prettyface, by Beaumont, Van Natta; second, Prairie Queen, by Roderick, McCray; third, Mignonette, by Princeps, Cargill & McMillan; fourth, Jemima, by Pretorian, Huxley; fifth, Dorothy, by Baocaulaureate, E. R. Morgan, Blue Rapids, Kans.; sixth, Mozelle, by March On 6th, Funkhouser; seventh, Berna Donald,

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The above question is often asked concerning Dr. Pierce's two leading medicines, "Golden Medical Discovery" and "Favorite Prescription."

The answer is that "Golden Medical Discovery" is a most potent alterative or blood-purifier, and tonic or invigorator and acts especially favorably in a curative way upon all the mucous lining surfaces, as of the nasal passages, throat, bronchial tubes, stomach, bowels and bladder, curing a large per cent. of catarrhal cases whether the disease affects the nasal passages, the throat, larynx, bronchia, stomach (as catarrhal dyspepsia), bowels (as mucous diarrhoea), bladder, uterus or other pelvic organs. Even in the chronic or ulcerative stages of these affections it is often successful in effecting cures.

"The Favorite Prescription" is advised for the cure of one class of diseases—those peculiar weaknesses, derangements and irregularities incident to women only. It is a powerful yet gently acting invigorating tonic and nerve. For weak worn-out, over-worked women—no matter what has caused the break-down, "Favorite Prescription" will be found most effective in building up the strength, regulating the womanly functions, subduing pain and bringing about a healthy, vigorous condition of the whole system.

A book of particulars wraps each bottle giving the formulae of both medicines and quoting what scores of eminent medical authors, whose works are consulted by physicians of all the schools of practice as guides in prescribing, say of each ingredient entering into these medicines.

The words of praise bestowed on the several ingredients entering into Doctor Pierce's medicines by such writers should have more weight than any amount of non-professional testimonials, because such men are writing for the guidance of their medical brethren and know whereof they speak.

Both medicines are non-alcoholic, non-secret, and contain no harmful habit-forming drugs, being composed of glyceric extracts of the roots of native, American medicinal forest plants. They are both sold by dealers in medicine. You can't afford to accept as a substitute for one of these medicines of known composition, any secret nostrum.

Dr. Pierce's Pellets, small, sugar-coated, easy to take as candy, regulate and invigorate stomach, liver and bowels.

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by Beau Donald 33d, Huxley; eighth, Ethel 2d, by Andrew Cargill & McMillan.

Senior yearling heifer; 13 shown—First, Miss Filler 2d, by Fulfiller, Cargill & McMillan; second, Garland, by March On 6th, Funkhouser; third, Diana Fairfax, by Perfection Fairfax, McCray; fourth, Margaret, by Prime Lad, Van Natta; fifth, Mary Gartrude, by Saint Grove 3d, Logan; sixth, Lady Superior, by Columbus 53d, Benton Gabbert; seventh, Hilda, by Beaumont, Makin Bros., Grand View, Mo.; eighth, Miss Princess 4th, by Princess 4th, Mousel Bros.

Junior yearling heifer; 14 entries—Mildred, by March On 6th, Jas. A. Funkhouser Est.; second, Miss Filler 6th, by Fulfiller, Cargill & McMillan; third, Alleen Donald 2d, by Beau Donald 33d, A. C. Huxley; fourth, Lassie, by Prime Lad, W. S. Van Natta, & Son; fifth, Princess Lady, by Princess 4th, Mousel Bros.; sixth, Miss Filler 5th, by Fulfiller, Cargill & McMillan; seventh, Fredonia, by Saint Grove 3d, Jas. E. Logan; eighth, Lady Capitola, by Tranquillity, Mrs. K. W. Cross, Emporia, Kans.

Senior heifer calf; 19 entries shown—First, Princess 2d, by Princess 4th, Cargill & McMillan; second, Miss Roseberry, by Young Beau Brummel, Jas. E. Logan; third, Princess 3d, by Princess 4th, Cargill & McMillan; fourth, Leona, by Prime Lad, W. S. Van Natta; fifth, Etta, by March On 6th, Funkhouser; sixth, Jennie, by Rockfellow, Mousel Bros.; seventh, Lady Camp, by Saint Grove 3d, Logan; eighth, Sister Margaret, by Prime Lad, Van Natta.

Junior heifer calf; 15 shown—First, Lady Fairfax 4th, by Perfection Fairfax, Huxley; second, Princess 7th, by Princess 4th, Cargill & McMillan; third, Lady Fairfax 6th, by Perfection Fairfax, Huxley; fourth, Susan, by Prime Lad, Van Natta; fifth, Jessica, by Young Beau Brummel, Jas. E. Logan; sixth, Princess 8th, by Princess 4th, Cargill & McMillan; seventh, Elsa, by Onward 46th, Funkhouser; eighth, Miss Princess 19th, by Princess 12th, Mousel Bros.

Produce of cows; 10 entries—First Cargill & McMillan on produce of Belle Donald 20th; second, Huxley on produce of Berna Donald; third, Van Natta on produce of Leonora; fourth, Funkhouser on produce of Keapsake; fifth, Cargill & McMillan on produce of Armita 4th.

Get of sire; 6 entries—First Funkhouser on get of March On 6th; second, Logan on get of Young Beau Brummel; third, Cargill & McMillan on get of Princess 4th; fourth, Van Natta on get of Prime Lad; fifth, Mousel Bros. on get of Princess 4th.

Senior champion male—Prime Lad 9th, Van Natta.

Junior champion male—Onward 54th, Funkhouser.

Grand champion male—Prime Lad 9th, Van Natta.

Junior champion female—Miss Filler 2d, Cargill & McMillan.

Senior champion female—Phoebe, W. P. McCray.

Grand champion female—Phoebe.

Aged herd; 6 entries shown—First, Cargill & McMillan; second, Van Natta; third, Huxley; fourth, McCray; fifth, Funkhouser.

Young herd; 6 entries shown—First, Cargill & McMillan; second, Funkhouser; third, Logan; fourth, Van Natta; fifth, Van Natta.

Calf herd; 5 entries shown—First, Cargill & McMillan; second, Logan; third, Van Natta; fourth, Makin Bros; fifth, Funkhouser.

ABERDEEN-ANGUS CATTLE.

Aged bull; 4 entries shown—First, Jim Delaney, by Faultless, A. C. Binnie, Alta, Ia.; second, McDonald's Lad, by Hale Lad, W. J. Miller, Newton, Ia.; third, Black Pedro, by Prince Ito, J. B. Robinson & Co., Maryville, Mo.; fourth, Key, by Barbara's Rosegay, Parrish & Miller, Hudson, Kans.

Two-year-old bull; 6 entries shown—First, Lord Ellemere, by Heather Lad of Emerson 2d, Binnie; second, Glenfold Thicket 2d, by Elmside Star, O. V. Battles, Maquoketa, Ia.; third, Royal Hyperion, by Blackbird Royal, George Kitchner, Jr., Gower, Mo.; fourth, Eglamour of Quietdale, by Prince Edryn of Quietdale, H. J. Hess, Waterloo, Ia.; fifth, King Donald, by Scottish Boy, Miller; sixth, Castle H., by Harbinger, O. W. McDaniels, Vervalles, Ill.

Senior yearling bull; 6 entries shown—First, Keymura, by Kammura, Kitchner; second, Golden Gleam, by Black Woodlawn, Battles; third, Maplehurst King 12th, by Clansman Chief 2d, Omer Catterson, Marysville, Mo.; fourth, Minto, by Prince Ito 2d, McDonald & Brantley, Princeton, Mo.; fifth, Envoy 3d, by Vala's Rosegay, Parrish & Miller; sixth, Monitor H., by Metz Monitor, R. S. Hammonds, Odessa, Mo.

Junior yearling bull; 7 entries shown—First, Durin, by Erroline's Rosegay, J. B. Withers, Missouri City, Mo.; second, Jit's Hale Lad, by Hale Lad, Parrish & Miller; third, Dalgarno, by Erroline's Rosegay, Hess; fourth, Bonnie Ben Royal, by Blackbird Royal, Binnie; fifth, Maplehurst King 16th, by Clansman Chief 2d, Catterson; sixth, Booker T. 2d, by Maplehurst Ellipse 5th, W. B. Gex, Graham, Mo.; seventh, Lorin, by Maplehurst Proteros, Wheatley & Ward, King City, Mo.

Senior bull calf; 7 entries shown—First, Black King of Homedale 2d, by Black King of Woodlawn, Silas Igo, Palmyra, Ia.; second, Violet's Best Blood, by Best Blood, Parrish & Miller; third, Dutch Proteros, by Maplehurst Proteros, Wheatley & Ward; fourth, Royal Barbara, by Blackbird Royal, Binnie; fifth, Louis of Oakland, by Louis of Meadowbrook, Kitchner; sixth, Sir Novice 2d, by Black Prince of Estill, Miller; seventh, Straight Advice, by Paragon of Alta, McDonald & Brantley.

Junior bull calf; 9 entries shown—First, Queen's Clansman, by Clansman Chief 2d, Catterson; second, Laird Ellemere, by Lord Ellemere, Binnie; third, Dathan, by Erroline's Rosegay, Withers; fourth, Mayor of Oakland 2d, by Louis of Meadowbrook, Kitchner; fifth, Proud Master, by Prince Edward of Alta, Davis Bros., Maryville, Mo.; sixth, Homedale Purity, by Black King of Woodlawn, Igo; seventh, King City Lad, by Hale Lad 2d, Wheatley & Ward; eighth, Ogarta Prince, by McDonald's Lad, McDonald & Brantley.

Aged cow; 2 entries shown—First, Ellen Lass, by Heather Lad of Emerson 2d, Battles; second, Mina of Alta 5th, by Heather Lad of Emerson 2d, Binnie; third, Gussie of Kirkbridge, by Lofterer, Miller; fourth, Ruther Mina 2d, by Expand, Parrish & Miller; fifth, Metz Ogarta, by Washab of Treaty, McDonald & Brantley; sixth, Lucy of Careston, by Eliminator of Ballindalloch, Kitchner; seventh, Pride of Fashion, by Post Eov 5th, Hess; eighth, Snowflake 2d of Kirkbridge, by Lofterer, Miller.

Two-year-old cow; 8 shown—First, Glenfold Queen 2d, by Brookside Star, Battles; second, Blackbird Lassie of Alta, by Heather Lad of Emerson 2d, Binnie; third, Home View Lady Idessa 2d, by Pabne, Hess; fourth, Sunflower Corinne 2d, by Hale Lad, Parrish & Miller; fifth, Queen of Maplehurst 4th, by Clansman Chief 2d, Catterson; sixth, Queen of Cherokee 10th, by Woodlawn Blackbird Lad, Miller; seventh, Maple Leaf Ino, by Maple Leaf Progress, McDonald & Brantley; eighth, Metz Ogarta 2d, by Black Prince of Estill, Miller.

Senior yearling heifer; 8 entries shown—First, Enna Lassie 2d, by Elmora of Alta, Binnie; second, Gaylawn Bonnie Lass, by Earl of Vernon Prairie, Battles; third, Maplehurst Coquette 4th, by Paragon of Alta, Catterson; fourth, Alicia of Quietdale, by Burtatio of Quietdale, Hess; fifth, Queen of Hillhurst, by Sunflower Gay Lad, McDonald & Brantley; sixth, Sunflower Corinne 3d, by Hale Lad, Parrish & Miller; seventh, Queenly

of View Point, by Postscript of Alta, McDonald & Brantley; eighth, Sunflower Mary Ito, by Japan Ito, Parrish & Miller.

Junior yearling heifer; 11 entries shown—First, Queen Lass of Alta 3d, by Heather Lad of Emerson 2d, Binnie; second, Queen of Maplehurst 6th, by Clansman Chief 2d, Catterson; third, Queen of Maplehurst 7th, by Clansman Chief 2d, Catterson; fourth, Snowflake Queen by Black Prince of Estill, W. J. Miller; fifth, Blackbird Lady 4th, by Postscript of Alta, Battles; sixth, Heather Belle of Alta, by Blackbird Royal, Kitchner; seventh, Maplehurst Queen 8th, by Clansman Chief 2d, McDonald & Brantley; eighth, Heather Bloom 5th of Quietdale, by Burnato of Quietdale, Hess.

Senior heifer calf; 18 entries shown—First, Brookside Quality Queen 2d, by Black Woodlawn, Battles; second, Maplehurst Coquette 6th, by Paragon of Alta, Catterson; third, Eya Lass, by Lord Ellemere, Binnie; fourth, Glen Eyrle Queen of All, by Black Pedro, Robison; fifth, Bluegrass Ridge Quarta, by Erroline's Rosegay, Withers; sixth, Varina of Oakland, by Louis of Meadow Brook, Kitchner; seventh, Bluegrass Ridge Della, by Erroline's Rosegay, Withers; eighth, Blackbird of Quietdale 5th, by Ebony of Quietdale, Hess.

Junior heifer calf; 13 entries shown—First, Blackbird of Quietdale 6th, by Ebony of Q. H. J. Hess; second, Bluegrass Ridge Delphine 2d, by Erroline's Rosegay, J. B. Withers; third, Bluegrass Ridge Hettie, by Erroline's Rosegay, J. B. Withers; fourth, Esthonia of Alta, by Elmar Lad, A. C. Binnie; fifth, Metz Beauty 6th, by Metz Morone, W. J. Miller; sixth, Blackbird of Alta 5th, by Blackbird Royal, Binnie; seventh, Sunflower Machusa 2d, by Best Blood, Parrish & Miller; eighth, Queen of Maplehurst by Clansman Chief 2d, Omer Catterson.

Get of sire—First, get of Heather Lad of Emerson 2d, Binnie; second, get of Black King of Woodlawn, Silas Igo; third, get of Clansman chief 2d, Catterson; fourth, get of Erroline's Rosegay, Kitchner.

Produce of cow—First, Blanche of Kirkbridge, Binnie; second, Maplehurst Queen, Catterson; third, Edith Belle 2d, Kitchner; fourth, Quality of Meadowbrook, Battles.

Aged herd; 5 entries shown—First, Battles; second, Binnie; third, Miller; fourth, Hess.

Young herd; 6 entries—First, Binnie; second, Catterson; third, Hess; fourth, Parrish & Miller.

Calf herd; 5 entries shown—First, Catterson; second, Withers; third, Binnie; fourth, Parrish & Miller.

Junior champion male—Keymura, Kitchner.

Senior champion male—Lord Ellemere, Binnie.

Grand champion male—Lord Ellemere, Binnie.

Junior champion female—Queen Lass of Alta 3d, Binnie.

Senior champion female—Glenfold Queen 2d, Battles.

Grand champion female—Glenfold Queen 2d, Battles.

GALLOWAY CATTLE.

Aged bull, 5 entries shown—First, Randolph 2d of Thorniehill, S. M. Croft & Sons, Bluff City, Kans.; second, Wild's McDougall, J. E. Bales & Son, Stockport, Ia.; third, Scottish Standard of Durhamhill, Straub Bros., Avoca, Neb.; fourth, Highland Chief, F. E. Moore & Sons, Gardner, Kans.; fifth, Jefferson 1st, Bales.

Two-year-old bull; 6 entries shown—First, Standard Favorite, by Scottish Standard, C. E. Hechtner, Princeton, Ill.; second, Choice Norseman, by Norseman of Lochenkit, Straub Bros.; third, Sioux of Graybill, by Bugar of Graybill, G. W. Lindsey, Red Cloud, Neb.; fourth, Ensign, by Cock Robin, W. M. Brown & Son, Carrollton, Mo.; fifth, Loyd Knight, C. E. Clarke, St. Cloud, Minn.; sixth, Norseman 7th, by Norseman of Lochenkit, Straub Bros.

Yearling bull; 12 entries shown—First, Compair, by Norseman of Lochenkit, Straub Bros.; second, Maple's Favorite, by Druid of Castlemilk, Hechtner; third, Peer of Meadow Lawn, by Worthy 3d, Clarke; fourth, Dorothea's Prince, by McDougall 4th of Tarbreoch, Bales; fifth, Mezza, by Randolph 2d of Thorniehill, Croft; sixth, Flag Staff, by Chief 2d of Stepford, Brown.

Bull calf; 8 entries shown—First, Douglass of Meadow Lawn, by Gentleman Joe, Clarke; second, Observer of Red Cloud, by Pat Ryan of Red Cloud, Lindsey; third, Gentleman Jim, by Gentleman Joe, Clarke; fourth, Cauty Lad 2d, by Cauty Lad, Bales; fifth, Cauty Lad 3d, by Cauty Lad, Bales; sixth, Loyd Standard, by Scottish Standard of Durhamhill, Straub.

Aged cow; 6 entries shown—First, Lady Charlotte, by Worthy 3d, Lindsey; second, Myrtle of Avondale, by Druid of Castlemilk, Hechtner; third, Favourite 18th of Lochenkit, by Queen's Messenger, Lindsey; fourth, Graceful 3d, by Gallant Gift, Bales; fifth, Evaline 2d of Avondale, by Druid of Castlemilk, Craymer.

Two-year-old heifer—8 entries shown—First, Saddle of Meadow Lawn, by Worthy 3d, Straub; second, Hawkeye Lady, by MacDougall 4th of Tarbreoch, Bales; third, Druid's Lella, by Druid of Castlemilk, Hechtner; fourth, Cora of Meadow Lawn, by Worthy 3d, Straub; fifth, Blackie of Greenbush, by Randolph 2d of Thorniehill, Croft; sixth, Midget of Greenbush, by Randolph 2d of Thorniehill, Croft.

Senior yearling heifer; 6 entries shown—First, Vinolia 3d of Naples, by Druid of Castlemilk, Hechtner; second, Annie Davids 6th, by MacDougall 4th of Tarbreoch, Bales; third, Lady Belle 4th, by Worthy 3d, Clarke; fourth, Trixie 2d, by Randolph 2d of Thorniehill, Croft; fifth, Viola 2d of Otoo, by Norseman of Lochenkit, Straub; sixth, Viola of Greenbush, by Randolph 2d of Thorniehill, Croft.

Junior yearling heifer; 8 entries shown—First, Lady Douglass 3d, by Worthy 3d, Clarke; second, Lady Graceful, by MacDougall 4th of Tarbreoch, Bales; third, Princess Graceful, by MacDougall 4th of Tarbreoch, Bales; fourth, Flossy Lee, by Randolph 2d of Thorniehill, Croft; fifth, Lady Elgin, by Pat Ryan of Red Cloud, Lindsey; sixth, Cora of Maples, by Joe Earl, Hechtner.

Senior heifer calf; 9 entries shown—First, Jean of Meadow Lawn, by Gentleman Joe, Clarke; second, Vada, by Cauty Lad, Bales; third, Vinolia 4th of Maples, by Scottish Standard, Hechtner; fourth, Meg Standard, by Scottish Standard of Durhamhill, Straub; fifth, Olive 2d, by Worthy 3d, Lindsey; sixth, Vala, by Cauty Lad, Bales.

Junior heifer calf; 8 entries shown—First, Eva of Maples, by Scottish Standard 2d, Hechtner; second, Princess Standard, by Scottish Standard of Durhamhill, Straub; third, Floss 3d of Meadow Lawn, by Gentleman Joe, Clarke; fourth, Viola Croft, by Randolph 2d of Thorniehill, Croft; fifth, Lilly May, by Cauty Lad, Bales; sixth, Pride of the Valley, by Pat Ryan of Red Cloud, Lindsey.

Senior champion bull—Standard Favorite, by Scottish Standard, Hechtner.

Junior champion bull—Douglass of Meadow Lawn, by Gentleman Joe, Clarke.

Senior champion cow—Lady Charlotte, by Worthy 3d, Lindsey.

Junior champion cow—Lady Douglass, by Worthy 3d, Clarke.

Aged herd; 5 entries—First, Hechtner; second, Bales; third, Straub Bros; fourth, Croft; fifth, Lindsey.

Breeder's young herd; 6 entries—First, Clarke second, Hechtner; third, Bales; fourth, Straub Bros; fifth, Lindsey; sixth, Croft.

Get of sire; 6 entries—First, Bales on Wild's McDougall; second, Hechtner on Druid of Castlemilk; third, Clarke on Worthy 3d; fourth, Lindsey on Worthy 3d.

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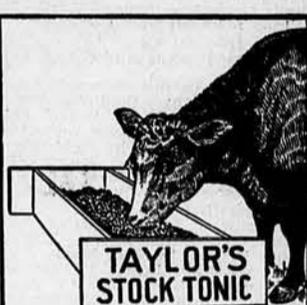
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Straub Bros. on Scottish Standard of Durham-hill. Produce of cow; 8 entries—First, Clarke on produce of Lady Douglass; second Bales on produce of Graceful 3d of Garlandstown; third, Hechtner on produce of Vinolia of Waver-tree; fourth, Straub Bros. on produce of Meg Harden; fifth, Bales.

POLAND-CHINA HOGS.

Aged boar; 3 entries shown—First Masticator, by Chief Perfection 2d, Goodrich Stock Farm, Eldon, Mo.; second, Col. McCook, by Expansion, Gerald Wilcox, McCook, Neb.; third, Pollman's Meddler, by Meddler, Pollman Bros., LaCygne, Kans. Senior yearling boar; 2 entries shown—First, Solid Meat, by Thick Set, Jos. Schmidt & Son, Wymore, Neb.; second, Courtier, by Corrector 2d, C. W. Dingman, Clay Center, Kans. Junior yearling boar; 8 entries shown—First, Decatur, by Corrector, J. W. Garvey and Goodrich Stock Farm; second, The Parader, by Meddler 2d, J. W. Garvey, Thayer, Ill.; third, Flying Fox, by Spellbinder, C. E. Tennant, New Hampton, Mo. Senior boar pig; 10 entries shown—First, Bender, by Moorish, Maid Perfection, B. F. Colbert, Tishomingo, Okla.; second, Capt. Fairfax, by Captivator, B. F. Colbert; third, Victory, by Corrector, Dingman & Weaver, Clay Center, Kans. Junior boar pig; 10 entries shown—First, pig by D. S. Perfection, G. M. Headley, Sedalia, Mo.; second High Life by Corrector, Goodrich Stock Farm; third, Spell's Style by Spellbinder, Wm. Wingate, Trenton, Mo. Aged sow; 3 entries shown—First Klever's Best by Darkness Perfection, Goodrich Stock Farm; second, Bealle, Thos. R. Link, Mount Ayr, Ia.; third, Pearl, Thos. R. Link, Mount Ayr, Ia. Senior yearling sow—First, April Shower by Meddler 2d, F. D. Winn, Randolph, Mo.; second, Cherry Ripe by Corrector 2d, J. W. Garvey; third, Fancy Keep on by Keep On Coming, Jas. Schmidt & Son. Junior yearling sow; 7 entries shown—First, sow by Washburn's Perfection, G. W. Headley; second, sow by Washburn's Perfection, G. W. Headley; third, sow by Washburn's Perfection, G. W. Headley. Senior sow pig; 21 entries shown—First, Miss Correct, by Chief Perfection 3d, G. W. Dingman; second, Matinee, by Meddler, F. F. Oerly; third, Voreta, by Corrector, C. W. Dingman. Junior sow pig; 13 entries shown—First, gilt by Chancellor Winn, F. A. Tripp & Sons, Meriden, Kans.; second, gilt by Chancellor Winn, F. A. Tripp & Sons, Meriden, Kans.; third, gilt by Chancellor Winn, F. A. Tripp & Sons, Meriden, Kans. Get of sire; 7 entries shown—First, get of Captivator, B. F. Colbert; second, get of Corrector, C. W. Dingman; third, get of Chancellor Winn, Tripp. Produce of sow; 7 entries shown—First, produce of Miss Davis, C. W. Colbert; second, produce of Beauty, C. W. Dingman; third, produce of Betha, Perfection, Tripp. Aged herd; 2 entries shown—First, Goodrich Stock Farm, headed by Decatur; second, G. M. Headley. Young herd; 7 entries shown—First, C. W. Dingman, herd headed by Victory; second, B. F. Colbert, herd headed by Bender. Breeder's herd; 6 entries shown—First, C. W. Dingman, herd headed by Victory; second, B. F. Colbert, herd headed by Bender; third, G. M. Headley. Junior champion male—Bender, B. F. Colbert; reserve, G. M. Headley. Senior champion male—Decatur, Goodrich & Garvey; reserve, Masticator, Goodrich Stock Farm. Grand champion male—Decatur, Goodrich & Garvey; reserve, Bender, B. F. Colbert. Junior champion female—Miss Correct, C. W. Dingman; reserve, gilt by Chancellor Winn, Tripp. Senior champion female—April Shower, F. D. Winn; reserve, Klever's Best, Goodrich Stock Farm. Grand champion female—April Shower, F. D. Winn; reserve, Miss Correct, C. W. Dingman.

DUROC-JERSEY HOGS.

Aged boar; 9 entries shown—First, Wheeler's Top Notcher, by Goldie's Top Notcher, Wheeler & Sons; second, Drexel Pride, by 2d Climax, W. T. Hutchison, Cleveland, Mo.; third, 2d Gold Finch, by Gold Finch, F. L. Bowman, Kingston, Mo.; fourth, Eureka Tip Top Notcher, J. F. Ensor, Olathe, Kans.; fifth, Duke Fairview, by Top Notcher, G. V. Bush, Marshall, Mo. Senior yearling boar; 2 entries shown—First, Billy Boy, by Nevada Prince, Wilcox; second, 2d Saline Prince, by Red Mack, Bush. Junior yearling boar; 11 entries shown—First, General Cronje, 2d, by Gen. Cronje, Harry Sneed, Smithton, Mo.; second, Kansas Oom Paul, by Oom Paul 2d, O. N. Wilson, Silver Lake, Kans.; third, Silk Wonder 2d, by Silk Worm, M. W. Walker & Son, Malta Bend, Mo.; fourth, 2d Joe, by Joe, McFarland Bros, Sedalia, Mo.; fifth, Corn Belt Chief, by Buckeye Chief, M. W. Walker & Son. Senior boar pig; 14 entries shown—First, Dandy Duke, by Duke Fairview, G. V. Bush; second, Harned Artis, by 2d Tip Top Notcher, B. W. Harned; third, Royal Tip, by Tip Top Notcher, Harned; fourth, Alfred Ohio Chief, by Ohio Chief, S. W. Alfred & Sons, Sharon, Kans.; fifth, Olathe Chief, by Ohio Chief, J. F. Ensor. Junior boar pig; 21 entries shown—First, Son of Gold Finch 2d, Bowman; second, Son of Billie Boy, W. W. Wilcox, Nevada, Mo.; third, Kanto Crimson Rambler, by Kant Be Beat, J. B. Lynch, Independence, Mo.; fourth, son of Kruger, Wilcox; fifth, Son of Kansas Oom Paul, O. N. Wilson. Aged sow; 5 entries shown—First, America Duchess, by 2d Surprise, Harned; second, Nankin, by Corrector 2d, Missouri State University; third, Salina, by Lord Gold Finch, G. V. Bush; fourth, Rose of Sharon, by Sharon King, Alfred; fifth, Essa Lee, by Crisp Wonder, Bush. Senior yearling sow; 4 entries shown—First, Choice Goods 2d, by Red Perfection, J. W. Reed, Fortis, Kans.; second, Lucy Lee, by Red Chief, Missouri State University; third, Correctress, by Red Mach, Bush; fourth, Notcher Queen, by Kind Jim, Wheeler. Junior yearling sow; 9 entries shown—First, Early Rose, by 2d Gold Finch, Missouri State University; second, Astarte, by Paul 2d, Harned; third, sow, by Oom Paul 2d, Harned; fifth, fourth, sow, by Oom Paul 2d, Harned; fifth, 1st, by Duke of Fairview, W. W. Wilcox. Senior sow pig; 24 entries shown—First, Model Queen 5th, by Model Chief, Ralph Harris Farm, Williamstown, Kans.; second, Model Queen 5th, by Model Chief, Harris Farm; third, sow, by Red Duke, W. S. Cotton, Smithton, Mo.; fourth, sow, by Cronje Exchange, Powell & Rudy, Smithton, Mo.; fifth, sow, by Smith's Wonder, O. N. Wilson. Junior sow pig; 26 entries shown—First, sow, by Cronje Exchange, Sneed; second, Woodford Nerissa, by Red Duke, Cotton; third, sow, by Kant Be Beat, Lynch; fourth, sow, by Billie Boy, Wilcox; fifth, sow, by Billie Boy, Wilcox. Get of sire; 9 entries—First, get of Red Duke, W. S. Cotton; second, get of Pathfinder, J. W. Reed. Produce of sow; 6 entries shown—First, produce of Iowa Girl 2d, by Red Perfection, J. W. Reid; second, produce of May Victoria, by Matchless, F. L. Bowman. Aged herd; 2 entries shown—First, Missouri State University; second, G. V. Bush.

Breeders' aged herd—First, B. W. Harned; second, G. V. Bush. Young herd; 9 entries shown—First, J. B. Lynch, Independence, Mo.; second, O. N. Wilson, Silver Lake, Kans. Breeders' young herd; 5 entries shown—First, J. W. Reid; second, J. F. Ensor. Junior champion male—Boar, by Goldfinch 2d, F. L. Bowman. Senior champion male—Wheeler's Top Notcher, by Goldie's Top Notcher, Wheeler & Sons. Grand champion male—Wheeler's Top Notcher, Wheeler. Junior champion female—Model Queen 6th, Ralph Harris. Senior champion female—American Duchess, B. W. Harned. Grand champion female—American Duchess, Harned.

BERKSHIRE HOGS.

Aged boar; 4 entries shown—First Lord Robin, by Cook Robin, Harris & McMahan, Lamine, Mo.; second Masterpiece's Rival, by Masterpiece, Jas. Quorollo, Independence, Mo.; third, Revelation, by Revelation Duke, T. F. Guthrie, Strong City, Kans. Senior yearling boar—First, Handsome Duke 3d, by Lord Lee, Harris & McMahan; second, Master's Longfellow, C. G. Nash; third, Handsome Duke 4th, by Lord Lee, Harris & McMahan. Junior yearling boar; 6 entries shown—First, Moreau Duke 3d, by Moreau Duke, Jones & McGinnis, Enon, Mo.; second, Silver Tips Revelation, by Revelation, K. S. A. College; third, Silver Tips Revelation 23d, by Revelation, T. F. Guthrie. Senior boar pig; 5 entries shown—First, Beau Nash, by Columbia, Moonlight, Manwaring Bros; second, Moreau Duke 3d, by Moreau Duke, Jones & McGinnis; third, Artful Premier 65, Jas. F. Pollard. Junior boar pig—First, Premier Longfellow Lee, Sam Spellman; second, Sir Ivanhoe, T. F. Guthrie; third, Premier Typewriter, N. F. Townsend, Fulton, Mo. Aged sow; 2 entries shown—First, Berryton Black Girl, T. F. Guthrie; second, Artful Belle, by Toronto Pride, Jas. Quorollo. Senior yearling sow; 3 entries shown—First, Handsome Duchess 10th, by Lord Lee, Harris & McMahan; second, Handsome Duchess 11th, by Lord Lee, Harris & McMahan; third, Rideview Pearl 12th, by Forest King, Manwaring Bros. Junior yearling sow; 4 entries shown—First, Baronesse, by Charmer's Duke 23d, Harris & McMahan; second, Revelation Silver Tips, by Revelation, T. F. Guthrie; third, Baronesse, by Charmer's Duke 23d, Harris & McMahan. Senior sow pig; 8 entries shown—First, Black Girl 9th, by Moreau Duke, Jones & McGinnis; second, Black Girl 11th, Jones & McGinnis; third, Sunnyside Queen 21st, by Baron Duke 92d, Harris & McMahan. Junior sow pig; 5 entries shown—First, Baronesse Queen, by Baron Masterpiece, Sutton Farm; second, Lady Richard, T. F. Guthrie; third, Handsome Duchess, by Lord Lee, Harris & McMahan. Get of sire—First, Jones & McGinnis on get of Moreau Duke; second, Harris & McMahan on get of Lord Lee. Produce of sow; 2 entries shown—First, Jones & McGinnis on produce of Missouri Lady; second, Harris & McMahan on produce of Duchess 4th. Aged herd; 3 entries shown—First, Harris & McMahan; second, Harris & McMahan. Breeders' aged herd—First, Jones & McGinnis, second, Harris & McMahan. Young herd—First, Jones & McGinnis; second, Harris & McMahan. Breeders' young herd—First, Jones & McGinnis; second, Harris & McMahan. Junior champion male—Premier Longfellow Lee, Sam Spellman; reserve, Beau Nash, Manwaring Bros. Senior champion male—Lord Robin, Harris & McMahan. Grand champion male—Lord Robin, Harris & McMahan; reserve, Premier Longfellow Lee, Sam Spellman. Junior champion female—Black Girl 9th, Jones & McGinnis; reserve, Baronesse Queen, Sutton Farm. Senior champion female—Duchess 10th, Harris & McMahan; reserve, Berryton Black Girl, T. F. Guthrie. Grand champion female—Black Girl 9th, Jones & McGinnis; reserve, Handsome Duchess 10th, Harris & McMahan.

TWO CHESTER HERDS COMPETED.

There were but two herds of Chester Whites shown, but these brought out some good hogs. The grand champion boar, Choice Goods, shown by R. F. Fantz, is an outstanding pig. W. W. Waltmire and R. F. Fantz divided the money as follows, F. L. Bowman, of Kingston, Mo., placing the awards: Aged boar; 2 entries shown—First Plato Tenderfoot, W. W. Waltmire, Raymore, Mo.; second Plato W., by Plato, R. F. Fantz, Pleasant Hill, Mo. Senior yearling boar; 1 entry shown—First, W's Perfection, by Champion, W. W. Waltmire. Junior yearling boar; 2 entries shown—First, Louie, by Plato W., R. F. Fantz; second, Climax, by Plato, W. W. Waltmire. Senior boar pig; 3 entries shown—First, Dude, by Champion, Waltmire; second, Lincoln, by All O. K., Fantz; third, pig by Plato W., Fantz. Junior boar pig; 3 entries shown—First, pig, Fantz; second, pig by Plato, Waltmire; third, pig, by John, Fantz. Aged sow; 2 entries shown—First, Queen, by Nashua Boy, Fantz; second, Duchess, by Proud Dick, Waltmire. Senior yearling sow; 2 entries shown—First, O. K. Amy, by O. K. Waltmire; second, Bess, by Lima's Chief, Fantz. Junior yearling sow; 3 entries shown—First, Success, by Champion, Waltmire; second, Walnut Park Pride 3d, by Champion, Waltmire; third, Favorite, by Champion, Fantz. Senior sow pig; 4 entries shown—First, Bessie 2d, by Champion, Waltmire; second, Lady Caroline, by Plato W., Fantz; third, Bessie 3d, by Champion, Waltmire. Junior pig; 4 entries—First, pig, by John, Fantz; second, pig, by John, Fantz; third, pig, by Champion, Waltmire. Get of sire—First, Waltmire on get of Champion; second, Waltmire on get of Plato W. Produce of sow; 3 entries shown—First, Waltmire on produce of Success; second, Fantz on produce of Tudle. Aged herd; 2 entries shown—First, Waltmire; second, Fantz. Breeders' herd; 2 entries shown—First, Waltmire; second, Waltmire; third, Fantz. Junior champion male—Choice Goods, Fantz; reserve, Dude, Waltmire. Senior champion male—Reserve, Plato, Waltmire. Grand champion male—Choice Goods, Fantz; reserve, Lewis, Fantz. Junior champion female—Bessie 2d, Waltmire; reserve, Crystal Bess, Fantz. Senior champion female—O. K. Amy, Waltmire; reserve, Walnut Park Pride 3d, Waltmire. Grand champion female—O. K. Amy, Waltmire; reserve, Bessie 2d, Waltmire.

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MONEY back with 6% from date of purchase if unsatisfactory. The Galloway Manure Spreader is the best manure spreader on the market. I have no hesitancy in saying this, not only because I know every ounce of material that goes into it; know that it is mechanically perfect; know that it is built strictly along the lines that experience has shown to be the best, but I have the results of practical field tests from all over the U. S. In every way the Galloway has done the work in a thoroughly satisfactory manner and in comparison with the work of other Spreaders has time and again proven its superiority. But, I do not want you to take my word for this. Try my Spreader yourself. Send for it under the Galloway free trial plan. Use it a full month on your own farm. If it does not score 100 per cent on spreading; if you do not find it an easy spreader to work with; if you are not convinced that it is the most durable machine you ever saw, send it back and I'll refund your money. A trial will not cost you a cent. Then remember, you are further protected by my \$25,000 legal bond, that your spreader shall make good in every respect. You simply cannot lose. The farmer who goes without a spreader a day with such a chance as this is losing money. Any farmer in the United States can afford it. I mean just what I say. My Wagon Box Spreader is made in three sizes, capacity 50 to 60 bushels. For those who want a larger spreader, I have just perfected a 70-bushel pattern, complete with truck. It is 45 inches wide and has adjustable bolster stakes and all the good features of the famous Galloway Spreader. Ask me about it. Address me personally. Wm. Galloway, President, THE WM. GALLOWAY COMPANY, 389 Jefferson St., Waterloo, Iowa. I also sell the Galloway Cream Separator on the same plan.

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Stallion 3 years old and under 4—First to J. Crouch & Son, on Amara de Nohalt; second to J. Crouch & Son on Nelson; third to J. Crouch & Son on Herman. Stallion, 2 years old and under 3—First to J. Crouch & Son on Hercule de Liffinghe; second to J. Crouch & Son on Cicerone d'Ophas. Mare 1 year old and under 2—First to J. Crouch & Son on Angeline. Mare 4 years old and over—First to J. Crouch & Son on Cybella Vieerlingen. Mare 3 years old and under 4—First to J. Crouch & Son on Romance. Mare 2 years old and under 3—First to J. Crouch & Son on Ga damine. Group of 3 mares—J. Crouch & Son, Lafayette, Ind. Champion mare—J. Crouch & Son on Cybella Vieerlingen. Champion group five stallions—J. Crouch & Son.

PERCHERON HORSES.

Stallion 4 years old or over—Championship to McLaughlin Bros. on Coco 42070, 4 years old. Stallion 3 years old and under 4—First to McLaughlin Bros. on My Lord 42073; second to J. Crouch & Son on Durand 42216. Stallion 2 years old and under 3—First to J. Crouch & Son on Champagne 42208; second to McLaughlin Bros. on Etelgnor 42112. Best mare 4 years old or over—First to J. W. & J. C. Robison on Ermantrude. Best mare, any age—J. Crouch & Son on Charmille. Champion group 5 stallions—First to McLaughlin Bros; second to J. Crouch & Son.

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Champion stud; best Shire or Clydesdale stallion, any age—McLaughlin Bros. on Refiner, \$100 silver cup. Note—Refiner is champion of England, America and Scotland, never having been defeated.

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Stallion 4 years old and over—First to McLaughlin Bros. on Decoratun; second to McLaughlin Bros. on Danceus. Stallion 3 years old and under four—First to McLaughlin Bros. on Encolvey; second to McLaughlin Bros. on Ebum; third to McLaughlin Bros. on Danios. Champion group of five stallions—First to McLaughlin Bros. Champion stallion, any age—McLaughlin Bros. on Decuratur.

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Draft horses in harness, best pair—First to McLaughlin Bros.; second to Deatherage Lumber Co.

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Lady Bird; second to T. A. Velle on Wine-glass; third to S. R. Hall on Gost. Runabout horse, 14 1/2 to 15 1/2—First to Geo. Newt, on Abnor Manager; second to Lawrence Armour on Druma Major; third to W. L. Maxwell on Sunny Jim.

MULES.

Mule colts under 1 year—First to James Bland; second to John Wilson, Barry, Mo. Best mule, 1 year old and under 2—First to James Bland; second to James Bland; third to W. B. Emison, Wellington, Mo. Mules 2 years old and under 3—First to J. R. Adams, Blue Springs, Mo.; second to J. R. Adams; third to Walter Ligon, Nashua, Mo. Mule 3 years old and under 4—First to W. B. Emison; second to W. B. Emison; third to James A. Wyatt, Lee Summit, Mo. Mules, 3 year old class—First to W. B. Emison; second to Chrisman & Barnett, Gallatin, Mo. Sweepstakes—W. B. Emison. Pair mules, 4 years old or over in harness—First to Chrisman & Barnett; second to W. B. Emison; third to Smith & Robertson, Kansas City, Mo. Pair mules, 3 years and under 4, in harness—First to W. B. Emison; second to J. M. Wyatt. Pair mules 2 years old and under 3—First to J. R. Adams; second to Walter Ligon. Pair mules 1 year old and under 2—First to Jas Bland; second to W. B. Emison; third to W. B. Emison. Best 4-mule team shown in harness—First to W. B. Emison; second to J. R. Adams; third to Smith & Robertson.

Colwell Still Has Good Ones to Sell.

G. W. Colwell of Summerfield, Kans., who recently sold 40 head of his choice Durocs at his fall sale, informs us that he still has good ones that he will dispose of at private treaty. He has some choice young sows by A. B. Top Notcher, which he will sell a little later, bred to a son of Iowa Advance or a grandson of Tip Top Notcher, the World's Fair champion, or he will sell them open or bred to suit purchaser for December delivery. Write Mr. Colwell about these, for they are good ones and will be priced right.

A Monster Roof.

Many travelers who have visited the wonderful lake region at western end of Lake Superior have noticed the enormous trainshed of the Union Passenger Station at Duluth. Twenty years ago men would have laughed to scorn the idea that rolls of felt and asphalt could be put on such a great surface and stand the ravages of steam, smoke, cinders, high winds, frost, acids and all the varying conditions demanded of a railroad terminus. Men refuse to laugh now, for Rock Asphalt Roofing has stood the strenuous test on that great roof. There are thousands of other roofs all over the country from one-horse stable to palatial residences and metropolitan public buildings that are testifying to its non-leaking, weather resisting qualities. It lasts longer than shingles; can not rust like tin, steel, or iron. Flint-Coat is made by the Rock Asphalt Roofing Co., 609 Y. M. C. A. Building, Chicago. They send free samples for you to test. You can put this roof on yourself, for everything is supplied free, cement, and nails, etc., with complete directions. A recent writer in an influential building journal thus praises asphalt and flint coated rubber roofings. "An asphalt-saturated roofing is firm and the sun can not draw the life out of it as it can the oil in a soft or spongy roofing. It is the opinion of a large majority that the flint coated rubber roofings are the most durable because a fine flint sand is rolled into the weather side which further protects the felt by protecting the outside coating. It does add to the fireproof and spark-resisting qualities of the roofing and so far has proven superior to the smooth goods."

Stock Interests

Economical Rations in Beef Production.

BY H. R. SMITH, IN BULLETIN NO. 100, NEBRASKA EXPERIMENT STATION.

The determination of methods by which beef production can be made more profitable is one of the important problems now under investigation at the Nebraska Experiment Station. During recent years the attractive prices offered for corn by the markets of the world have led many stockmen of the State to discontinue their cattle-feeding operations and to sell the crop direct to elevator companies for shipment. Others have turned their attention to pork and mutton production. That beef values have not kept pace with those of corn in the upward trend of recent years is not denied. Nor can it be said that the market quotations for corn-fed beef have been as attractive as the prices offered for finished pork and mutton during the past few years. Nevertheless, cattle-feeding has its place, and the industry will be regarded with increasing favor as we learn to more fully appreciate the importance of cattle in their relation to the economic management of our land.

On practically every farm in the State where grain crops have been grown, and sold direct to the elevator for a succession of years, the soil is much below the productive capacity of adjoining farms where crop rotation and stock-feeding have been practiced. Pork-production, good so far as it goes in turning back to the land fertilizing material taken from the soil, and profitable as it has been during these years of high prices, should not be carried on to the entire exclusion of all other forms of meat-production. The occasional destruction of an entire herd of swine by the ravages of cholera is a matter to be considered, but as an argument for a greater diversity of live-stock on the farm it does not carry the weight of the one great argument, viz., the economical conversion of a larger part of the vast quantity of roughage grown on every farm as by-products to grain into some marketable commodity. Cattle and sheep-feeding not only make possible the utilization of such material, but these ruminants, requiring much bulk as they do, also encourage the growth of more clover and alfalfa in the crop rotation, thus preserving the fertility of the land. Cattle are not only able to consume bulky material in quantity, but they are also able to take it in its crude form, less costly, therefore, than if labor is expended in its preparation.

During the years of low-priced corn, cattle-feeding was profitable under almost any system of feeding, but conditions having changed, methods must be varied to meet the new situation. Beef has always been a luxury, and we can hardly expect its rise in value to be commensurate with that of corn and other cereals used in the human dietary. When it becomes excessively high in price the consumers use less meat and more of other foods which, though less palatable, are much cheaper and can serve as substitutes. In beef-production, as in other forms of industry, competition forces us to adopt more economical methods, and it is left for the farmer to make beef more cheaply rather than to discontinue the feeding of cattle because of higher priced grain.

If cattle-feeding, aside from its beneficial effect in maintaining or restoring soil fertility, is still a profitable industry in States farther east—as it is when properly conducted—the farmers of Nebraska are situated to make it doubly so by virtue of the natural conditions which favor the industry here, viz., lower priced corn than any other State in the Union, the possibilities of alfalfa and clover culture, notably the former; favorable markets and shipping facilities and a climate of relatively low humidity in winter which permits outdoor feeding. It would be unreasonable to expect cattle to return every year without fall prices for corn above what might

have been received at the elevator. The instability of the average stock market would hardly permit it. But followed year after year with careful buying and the exercise of skill in the management of cattle, particularly with reference to the selection and use of foods, fair profits are to be depended upon.

Nebraska, relatively speaking, is a newly settled State, the eastern half being occupied by farmers who have been giving most of their attention to the growing and selling of grain. It is not at all surprising, therefore, to find that as the need of stock on the farm is felt mistakes will be made and what might have been profits are really losses. That the experiment station might be brought in closer touch with actual conditions as they exist in this State, the writer in the early spring of 1903 visited a large number of feed-lots to learn what rations were in common use. In this investigation it was found by far the largest number were fattening steers on corn and prairie hay, though some were making use of straw, cane, or millet as a substitute for prairie hay. In the more central and western portions of the State corn and alfalfa were being fed, while a number in the Missouri River counties were feeding clover. The use of oil-meal and cottonseed-meal was confined to a few men who feed on an extensive scale and who buy practically all their grain. From the observations made it would be conservative to say that unbalanced rations were being fed on two-thirds of the farms visited. That our farmers might have a practical demonstration of the greater possibilities of a system of cattle-feeding which is more nearly in harmony with Nature's laws with respect to the character of the food as opposed to a system which ignores entirely the animals physiological requirements, the series of experiments herein described were conducted under conditions precisely as they may be found on many farms in the State.

PLAN OF EXPERIMENTS.

The steers selected for all experiments were grown under range conditions, having had no grain previous to their purchase. They were chosen for uniformity in age, quality and size as nearly as it was possible to secure it. When the division into lots of ten steers each was made previous to the experimental feeding, an effort was put forth to make the several lots representative of the entire herd so that no one lot would have the advantage of another in weight, quality, condition, or age. This would make the several lots of a single winter's experiment comparable, but not the lots fed one winter with those fed another winter. In other words, the reader is not to compare the feed record of 1904-5 with the feed record of 1905-6 or any other year. Grade Hereford yearlings from Cherry County, Nebraska, were fed in 1903-4; grade Shorthorn two-year-olds from North Park, Colorado, in 1904-5; grade Shorthorn and Hereford two-year-olds from Rock County, Nebraska, in 1905-6, and grade Angus two-year-olds from Sioux County, Nebraska, in 1906-7. All lots in every experiment were provided with sheds having large open doors on the south side to permit the steers to go in and out at will, none having horns. The yards were small but of sufficient size to permit of some exercise. All cattle were given water morning and night and salt was kept before them at all times. Each lot was fed for a preliminary period of approximately three weeks before the records of the experiment were begun in order that all steers might know how to eat grain and furthermore have time to gradually adapt themselves to their respective rations. The initial weights of the different lots as tabulated are an average of four weighings made on successive days just before watering in the morning. This is done to reduce as much as possible the element of error often caused by a fill larger one day than another. Every feed was carefully weighed, no credit being given for any coarse roughness left in racks and afterwards thrown out for bedding. This waste was



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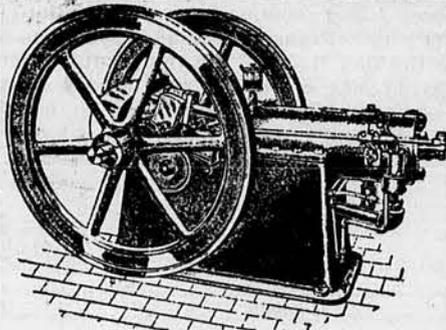
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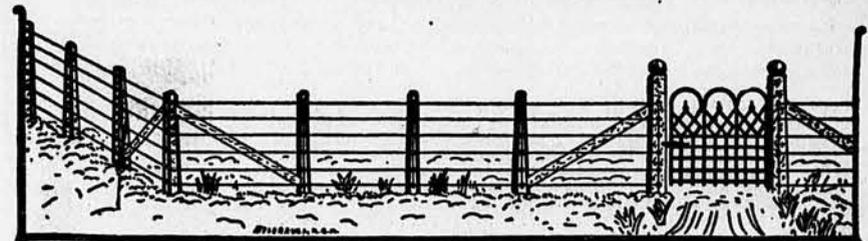
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charged to the steers just as though it had been consumed. From what has been said above it may be assumed that the differences in gains as reported in the tables to follow are caused by the rations, at least as largely so as it was possible to make the several lots in a given experiment average uniform in quality and gaining capacity. It is out of the question to eliminate entirely the error which might be caused by individual differences in the gaining capacity of steers even by feeding in lots of ten each. It is for the purpose of making the conclusions more reliable that the same experiments are being continued through a succession of three or more years.

PRAIRIE HAY VS. ALFALFA.

Following is a comparison of the feeding value of native prairie hay as it grows in Nebraska, and alfalfa, each being fed as a roughness to supplement heavy corn feeding:

pounds of carbohydrates and fats. It will be noted how closely the ration corn and alfalfa—two pounds of the former to one of the latter—approaches this proportion. In fact, we are not sure but that 1:7.3 is just as suitable as 1:7 for an average two-year-old steer. The corn and prairie hay combination, however, is decidedly lacking in protein, which is no doubt one of the chief causes of its failure as an economical ration.

But the composition of a food is not the only factor which determines its value. Alfalfa is very much more relished than prairie hay and it is less difficult to masticate. Steers crowded for the largest possible consumption of grain can also be induced to eat a little more corn with alfalfa than with prairie hay.

In determining the cost of producing 100 pounds of gain, alfalfa and prairie hay were figured at \$6.00 each per ton for the three years. Corn was 33 cents per bushel in 1903, 39 cents

prevailed during the past few years.

Clover was not fed in this series of experiments, but because it is similar to alfalfa in composition, though somewhat lower in protein, it would not be unreasonable to expect good gains on corn and clover; and experiments made in other States show favorable results for this combination of foods. With any other form of roughness with the exception of cow-pea hay, which is also a legume, we would hardly expect satisfactory gains unless some protein concentrate is fed with corn.

THE USE OF CORN-STOVER WITH CORN AND ALFALFA.

From the experiments already described it is apparent that a ration of corn and alfalfa is capable of producing large and profitable gains, enough so to make corn bring more in the form of beef than as a cash crop. But with corn there is also the stalk upon which it grew. Do not

TABLE I.—Corn and prairie hay vs. corn and alfalfa.

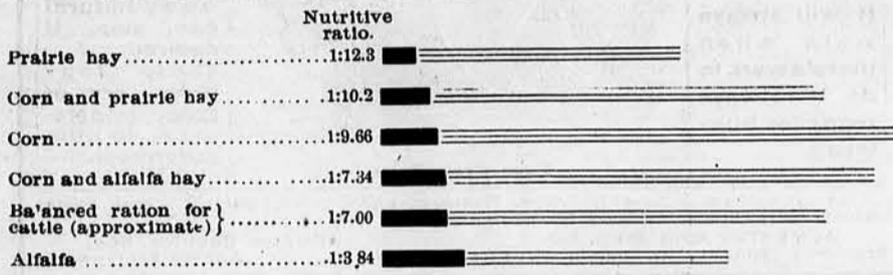
	Yearling steers Dec. '03 to June '04, 24 weeks.		Two-year-old steers Jan. '05 to July '05, 24 weeks.		Two-year-old steers Nov. '05 to Feb. '06, 12 weeks.		Average for 3 years.	
	Shelled corn and prairie hay	Shelled corn and alfalfa	Shelled corn and prairie hay	Shelled corn and alfalfa	*Snapped corn and prairie hay	Snapped corn and alfalfa	Corn and prairie hay	Corn and alfalfa
Average initial weight per steer, pounds	\$01.00	\$08.00	\$26.00	\$37.00	\$75.00	\$77.00	\$01.00	\$07.00
Average gain per day, pounds	1.35	1.97	1.90	2.30	1.20	2.06	1.48	2.11
Average grain fed per day, pounds	14.30	15.30	17.90	18.60	9.47	9.47	13.80	14.46
Average hay fed per day, pounds	8.70	9.20	9.70	9.20	18.22	22.15	12.21	13.52
Grain consumed per pound of gain, pounds	10.50	7.70	9.52	8.14	7.87	10.70	9.29	6.81
Hay consumed per pound of gain, pounds	6.50	4.70	5.19	4.02	15.16	16.75	8.95	6.49
Total food consumed per pound of gain, pounds	17.00	12.40	14.71	12.16	23.03	27.45	18.25	13.30
Cost of 100 pounds gain	\$8.27	\$6.04	\$8.23	\$6.89	\$8.76	\$5.49	\$8.32	\$6.29
†Profit or loss per head including pork produced from droppings	\$0.88	\$8.66	\$1.13	\$2.86	\$0.08	\$3.56	\$0.27	\$5.02

*Snapped corn is the ear within the husk or shuck. The figures in the table are its shelled corn equivalent.
†In computing profits all items of expense were included except the labor of feeding which is customarily figured as an offset to manure made.

It is never safe to accept, as definite, the conclusions drawn from a single experiment, but when we have, during a succession of three years, the marked contrast in daily gains, cost of production, and net profits in favor of alfalfa as compared with prairie hay which the above table indicates, there would seem to be little room to doubt the superiority of alfalfa when each is fed with corn alone. There may be several reasons for this. Perhaps first in importance is the fact that alfalfa is a legume, having, like clover and cow-peas, the power to take nitrogen from the air, storing it within

in 1904, and 35 cents in 1905. It is unfair to make comparative values of a roughage like alfalfa, which balances well with corn alone, and one like prairie hay which does not, but when thus fed as in these three experiments, the alfalfa returned values ranging from \$10.80 to \$15.70 per ton as compared with prairie hay at \$6.00. The experiments show, however, that we can not afford to feed prairie hay at \$6.00 per ton even if we include in the profits all pork made from droppings, as was done in these computations; at least we can not afford to do so if corn alone makes up the grain

these stalks, grown in such large quantities on our corn land, possess sufficient nutritive value to make it worth while to harvest them for feeding purposes? Left standing in the field they become woody and are useful only as winter forage for stock cattle and horses, their value being estimated at from 25 cents to \$1.00 per week, a price not to exceed 50 cents per ton. When cut and put in shocks immediately after the corn ripens they remain fairly green, retain in the leaves the nutritive properties which they possessed when harvested and are much relished even by cattle on a full grain feed. For the purpose of securing data, upon the above question, two experiments were conducted in which the ration corn and alfalfa was compared with corn, alfalfa, and stover (stalks without the ears). The stover was fed unshredded in racks provided with vertical slats only wide enough apart to permit the steers to enter their heads, thus preventing the stalks from being pulled out and trampled under foot. The coarse butts refused, approximately 40 per cent of the stalks fed, were thrown out for bedding purposes but charged to the steers as feed consumed. The stover was fed each morning in order that the steers might have the entire day to work over the stalks, and the alfalfa was fed only at night to those lots receiving stover. Following is the record of the steers—ten two-year-olds in each lot—fed as indicated:



its cellular structure in the form of proteids, which material is needed by the animal in the formation of lean tissue and bone. Alfalfa in itself contains more protein than the average fattening animal requires, an excess sufficient to compensate for that lacking in corn, the two together, therefore, making a balanced ration for fattening cattle. Prairie hay, like

ration. Referring to the net profits per head as given in the table it is of interest to know that the net advance of selling over cost price for the twenty-four weeks period was \$1.30 per hundred on the corn and prairie hay steers in 1903 and \$0.78 in 1904, while the advance on the alfalfa steers was \$1.65 per hundred in 1903 and \$1.00 in 1904. The larger ad-

TABLE II.—Corn and alfalfa versus corn, alfalfa and corn-stover.

	January, '05 to July, '05, 24 weeks.		November, '05, to January, '06, 12 weeks.		Average of the two experiments.	
	Shelled corn and alfalfa.	Shelled corn, alfalfa and corn- stover.	Snapped corn and alfalfa.	Snapped corn, alfalfa and corn- stover.	Corn and alfalfa.	Corn, alfalfa and corn stover.
Average initial weight per steer, pounds	\$37.00	\$41.00	\$77.00	\$74.00	\$57.00	\$57.00
Average gain per day, pounds	2.30	2.40	2.06	1.96	2.18	2.18
Average grain fed per day, pounds	18.60	18.40	9.47	9.61	14.03	14.00
Average roughness fed per day, pounds	9.20	9.90	22.15	22.45	15.67	16.17
Grain consumed per pound of gain, pounds	8.14	7.89	4.60	4.90	6.37	6.39
Roughness consumed per pound of gain, pounds	4.02	4.56	10.75	11.44	7.38	8.00
Total food consumed per pound of gain, pounds	12.16	12.45	15.35	16.34	13.75	14.39
Cost of 100 pounds of gain	\$6.89	\$6.49	\$5.49	\$5.01	\$6.45	\$6.05
Net profit per head including pork	\$2.86	\$3.32	\$3.56	\$4.20	\$3.21	\$3.76

corn, lacks protein and when fed singly or together they do not supply enough of that nutrient to meet physiological requirements. This is best shown by examining the following chart, the black lines representing the digestible protein (lean formers) of each food and the white the digestible carbohydrates (starches, etc.) and vegetable oils, both of the latter producing animal fat and body heat. What is approximately a well-balanced ration for the average two-year-old steer is indicated by the line having the nutritive ratio 1:7, by which is meant one pound of protein to seven

vance received for the alfalfa steers was no doubt due to the higher finish made by those steers. It is apparent that good profits can be made by feeding corn and alfalfa even though the selling price of the cattle does not greatly exceed the cost price. In these experiments the feeding of alfalfa at \$6.00 per ton with corn made this grain bring, when converted into beef, 51 cents per bushel in 1903, 44 cents in 1904, and 60 cents in 1905. It would take a larger advance than our markets usually afford to make corn and prairie hay profitable at the prices for corn and cattle which have

The table shows that in the first experiment equal parts of alfalfa and stover produced a slightly larger daily gain than alfalfa fed as the sole roughness with shelled corn. In the second experiment, when snapped corn was used, the reverse was true. A ration consisting of corn and alfalfa is often too laxative, especially with the later cuttings of alfalfa. In the first experiment it is very probable that the stover lessened the tendency to scour, while in the second experiment the presence of nusk and cob served the same purpose. There may have been also some advantage

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in having stover with alfalfa for variety. In this connection it may be said that prairie hay will answer these purposes, but prairie hay ordinarily costs as much as alfalfa, so there is but little advantage in using it. In both the experiments tabulated above, the use of corn-stover at \$2.50 per ton as half the roughness reduced the cost of gains—in the first 40 cents per hundred, and in the second 48 cents. The stover proved to be actually worth \$3.55 per ton with snapped corn and \$4.16 per ton with shelled corn, worth 39 cents per bushel, as compared with alfalfa fed alone at \$6.00 per ton. Nebraska produced last year, in round numbers, eight million tons of corn-stover. If one-fourth of this amount could have been converted into beef, bringing but \$2.50 per ton as fed from the shock instead of 50 cents in the stalk fields, four millions of dollars could have been added to our earnings and no losses from cornstalk disease would have come from feeding the stalks thus harvested.

FEEDING CORN FODDER (ENTIRE PLANT).

The objection that is usually raised against the practise of cutting and shocking corn for feeding purposes is the labor involved in husking it from the shock. The fact that a great deal of corn may be fed to cattle in the stalk unhusked is entirely overlooked. In a 1905-6 experiment one lot of ten two-year-old steers was fed corn fodder for a period of twelve weeks in comparison with the same amount of snapped corn and stover fed another lot. Two-thirds of all the corn given the one lot was attached to the stalk, the remainder consisting of shelled corn fed at night. Charging four cents per bushel for husking, the cost of gains was the same in both lots. In 1906-7 this comparison was again made and half of all the corn fed was attached to the stalk. Here again the cost of production was practically the same, being only 10 cents per hundred less for snapped corn. The feeding of corn on the stalk in the morning with shelled corn and alfalfa hay at night is proving to be a very economical system of beef-production, and it may be continued throughout the entire period by stacking the bundles near the feed-yards for use in late winter. For such purposes corn which has been drilled a little thicker than usual is best because the ears are somewhat smaller, though it should not be planted so thickly that the yield of corn will be reduced. By feeding corn fodder we utilize the stalk and yet are put to no extra labor husking it. In fact corn can be cut with a harvester and put in the shock cheaper than it can be picked and cribbed, inasmuch as three men with a team and harvester can cut and shock seven acres per day. Records from the farm department of this experiment station show that it costs 1.18 per acre to cut and shock corn, which figure does not allow for wear and tear on the machine. Three cents per bushel should cover the cost of harvesting corn with a machine and putting it in shocks, in which form it may be fed direct to the cattle.

(To be continued.)

Horticulture

Vinegar.

EDITOR KANSAS FARMER:—Vinegar, as well as many other condiments, was first used in France and was made from sour wine. The word vinegar is of Latin origin and means sour wine. Its usefulness as a condiment was not known until it had been used for many years as a stimulant in cases of fever. For many years very little vinegar was used, and the demand was not great, but as its use became more general, the demand increased, and other materials for its manufacture were sought. In Germany they began making the distilled vinegar which was found to be superior to the fruit vinegar, it having been discovered that in the fruit vinegar there was a microscopic nematoid worm, injurious to health. The desire to utilize everything of value was so strong in the

Frenchmen, that he continued to make his sour wine into vinegar, and finally he began to use the undesirable and decayed fruit. At this point the government took a hand and imposed a tax on fruit vinegar, as did also Belgium and Germany, and today the white distilled vinegar is universally used in these countries as well as most all of Europe.

In the United States, there being no laws regulating food products until the enactment of the Food and Drug's Act of June 1906, very little attention was paid to vinegar. Certain States have enacted laws for the regulation of the sale and manufacture of vinegar, but few of these laws have been enforced. Some were unconstitutional, and others were really detrimental to public good. Our National law sets a standard of strength and also states that cider vinegar shall not contain less than 2 per cent of solids, but this does not prohibit the sale of vinegar made from decayed fruit.

In a bulletin on vinegar issued by the Nebraska Food Commission, the standard for fruit or cider vinegar is simply stated without comment, but in giving the standard for white distilled vinegar, they go farther and state that for all practical and domestic purposes, the white distilled vinegar is equal to malt or cider vinegar, and they state that it is always pure and wholesome and contains nothing injurious to health. It is stated on good authority that in the United States, four-fifths of all the vinegar sold is distilled vinegar and most of it is colored to imitate cider. The Pure Food Commission has prohibited the sale of colored distilled vinegar to take effect November 1, so after that date you should ask for white vinegar.

M. F. MAXWELL.

Shawnee County.

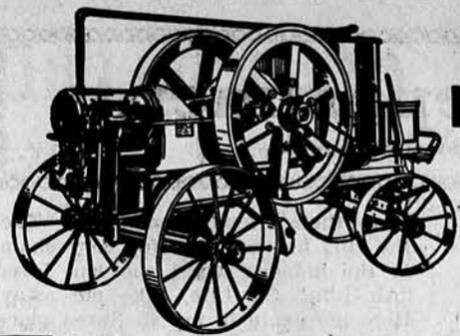
The Waning Hardwood Supply.

A press review circular, of the Forest Service, shows that although the demand for hardwood lumber is greater than ever before, the annual cut today is a billion feet less than it was seven years ago. In this time the wholesale price of the different classes of hardwood lumber advanced from 25 to 65 per cent. The cut of oak, which in 1899 was more than half the total cut of hardwoods, has fallen off 36 per cent. Yellow poplar, which was formerly second in point of output, has fallen off 38 per cent, and elm has fallen off one-half.

The cut of softwoods is over four times that of hardwoods, yet it is doubtful if a shortage in the former would cause dismay in so many industries. The cooperage, furniture, and vehicle industries depend upon hardwood timber, and the railroads, telephone, and telegraph companies, agricultural implement manufacturers, and builders use it extensively.

This leads to the question. Where is the future supply of hardwoods to be found? The cut in Ohio and Indiana, which, seven years ago, led all other States, has fallen off one-half. Illinois, Iowa, Kentucky, Michigan, Minnesota, Missouri, New Jersey, Tennessee, Texas, West Virginia, and Wisconsin have also declined in hardwood production. The chief centers of production now lie in the Lake States, the lower Mississippi Valley, and the Appalachian Mountains. Yet in the Lake States the presence of hardwoods is an almost certain indication of rich agricultural land, and when the hardwoods are cut the land is turned permanently to agricultural use. In Arkansas, Louisiana, and Mississippi the production of hardwoods is clearly at its extreme height, and in Missouri and Texas it has already begun to decline.

The answer to the question, therefore, would seem to lie in the Appalachian Mountains. They contain the largest body of hardwood timber left in the United States. On them grow the greatest variety of tree species anywhere to be found. Protected from fire and reckless cutting, they produce the best kinds of timber, since their soil and climate combine to make heavy stands and rapid growth. Yet much of the Appalachian forest has been so damaged in the past that it will be years before it will again reach



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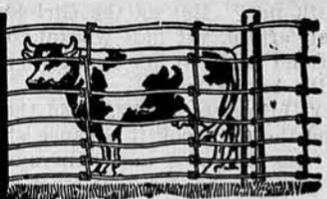
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has from 18 to 40 less joints than any other wind mill made; is perfectly balanced, and turns on a steel pivot; has no rollers to wear flat, turns automatically to the wind, and has one-fifth more wind-surface and 20 percent more power than any other wind mill. If you want the cheapest and best pumping power get a Fairbury. "Wind and Water on the Farm." It's free.

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Tell your township officers about our patent corrugated culvert made of annealed iron, heavily galvanized. Cheaper than wood or stone. Rust proof. Expands with heat and contracts with cold. Never breaks. Strong enough to hold up any weight. Over 600,000 feet sold last year to the big railroad companies, township officers and street commissioners. Mention it to the proper authorities if you are interested in better roads; for less money; and write for our remarkable book of proof.

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WANTED: Twenty Young Women

Young women wanting to learn nursing, we give a two-years' course; all necessary expenses paid. A complete surgical, medical and obstetrical training. Graduates find no difficulty in securing \$20 per week. Enter now, the lecture course of 1907-8 is just beginning.

STEWART HOSPITAL ASSOCIATION, Hutchinson, Kas.

a high state of productiveness. Twenty billion feet of hardwoods would be a conservative estimate of the annual productive capacity of the 75,000,000 acres of forest lands in the Appalachians if they were rightly managed. Until they are we can expect shortage in hardwood timber.

Circular 116, of the Forest Service, entitled "The Waning Hardwood Supply," discussed this situation. It may be had upon application to the Forester, Forest Service, Washington, D. C.

Most Power—Lowest Cost

To prove it we offer to ship you the wonderful **Sampson Gasoline Engine** on 60 DAYS' TRIAL at the lowest wholesale price. This powerful, high-grade engine is simplest, most reliable and economical on the market. Power greater than rated! Guaranteed 5 Years. Save money by writing at once for Free Engine Catalog. **JONES BROS. MFG. CO.** (Successor to Kemper-Paxton) 1008 Liberty St., Kansas City, Mo.



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Home Departments

CONDUCTED BY RUTH COWGILL.

October's Bright Blue Weather.

Oh, suns and skies and clouds of June,
And flowers of June together,
Ye can not rival for one hour
October's bright blue weather.

When loud the bumblebee makes haste,
Belated, thriftless vagrant,
And golden-rod is drying fast,
And lanes with grapes are fragrant.

When gentians roll their fringes tight
To save them for the morning,
And chestnuts fall from satin burrs
Without a word of warning.

When on the ground red apples lie
In piles like jewels shining,
And redder still on old stone walls
Are leaves of woodbine twining.

When all the lovely wayside things
Their white-winged seeds are sowing,
And in the fields, still green and fair,
Late aftermaths are growing.

When springs run low, and on the
brooks,
In idle golden freighting,
Bright leaves sink noiseless in the hush
Of woods, for winter waiting;

When comrades seek sweet country
haunts,
By twos and twos together,
And count like misers hour by hour
October's bright blue weather.

Oh, suns and skies and flowers of June,
Count all your boasts together,
Love loveth best of all the year
October's bright blue weather.

—Helen Hunt Jackson.

Life and the Woman.

There was a Girl in a cool and sheltered place where love and peace and comfort reigned. But she sighed with the listlessness of existence. "Ah Life," she said, "what is life? A bubble? A breath? And hardly worth the living?"

But presently One came to her, whether friend or foe she knew not, but she called it "Friend."

"I am Life," said the Friend, "come with me." But as the Girl hesitated, half afraid, yet half wistful to go, the Friend came to her again very shortly with hands laden.

"I bring you a gift," said the Friend and the Girl took it because she must. It was sickness and pain and weariness like a burden that must be borne. "Ah Friend," cried the Girl, "take back thy gifts. I do not want them. Take them, I beg of thee. What is life worth with gifts like these?" But the Friend paid no heed, but rather seemed to turn his back on her. He was leaving her, she thought. Then in very agony she gathered all her strength and clung to him. "Oh Life! my Life! stay! stay! I am not ready to let thee go."

So because her will was strong, Life yielded and stayed with her. And slowly, slowly the Girl learned to carry the burdens till Life took them from her.

"Come with me," said Life, and this time the Girl did not hesitate but put her hand trustingly in his and went with him.

He took her out from the sheltered place and led her where men and women lived the work-a-day life. And she took her place among them and learned to do the common things, and she was content, for the air was fresh and pure, and men were kind and women honest.

Again the Friend came and looked at her straightly with a question on his lips and with sweet candor she answered him. "Ah Life! I love thee. But I must know thee better. Friend, show me yet more of thyself."

He led her out into the world of pleasure and gaiety and idleness, and she clung to him, for it was all very pleasant to her senses. The air was full of song and perfume. Men and women were kind with a new and sweet courtesy. "Ah Life, thou art most sweet and kind," she said. But Life did not smile back at her. Instead he took her hand firmly and with one finger deftly lifted a mask that had seemed to her most real kindness. The face beneath was grossly leering at her. While she shrank, Life showed her another face, cruel behind its painted courtesy, and another coarse beyond imagination, and another and another, all vastly different

from their friendly seeming. Then the Girl hid her eyes for very shame at the hideous world she had loved. "Ah Life! Oh Life, take me away! Hide me again in my sheltered place. I would forget it all in my books and in my quiet home. But I love thee Life," she must add in honesty.

Yet one more thing had Life to teach her. He took a live coal in his hand and said, "Will you take my second gift?" And without question she took it in her hand and it burned her so that she cried out. "I will take it back," said Life. "No, no I will keep it yet a little," she said. And she grew sorrowful, yet with all very tender and pitiful. For the fire that she had accepted so simply found its way mysteriously to her heart and she could not give it up. Then to her steadfast Friend she said, "I love thee Life, I love thee more than ever. For though thou hast given me sorrow and pain, yet now I myself live, I know thee in thy fullness, and I adore thee."

Life came very close to the Girl then, and he looked very strong and beautiful to her. But the swift days rolled by and became years. The Friend offered her from day to day new gifts. Some she accepted because she must and some because she desired them. There were among them a little pleasure, and a little ease, but mostly they were toll and care and sorrow. Often he led her in rough ways, and through dangerous places, yet Friend always looked strong and serene and she followed him unafraid.

One day at last, when many years had gone by, he came to her hesitating and with his hands behind him.

"Friend, what dost thou bring me, now?" she asked of him smiling.

"It is a gift," said Life, "but you may refuse it if you will. Acceptance means loneliness, heartache, sacrifice, it is the gift of perfect service."

"I thank thee Life," said the woman, "this is the sweetest gift thou hast offered. All the others, sickness and passion and sorrow have prepared me to bear this one with joy and ease."

So she took this last gift happily, and bore it lightly to the end. She bore it out into the work-a-day world, into the underworld, where men were cruel and women were frail, and little children cried in the heat and dirt and the misery. And she bore it in the quiet places where Life led her now and then. Everywhere it was a charm which kept her safe and serene and strong.

But once more after many, many years had passed, Life came to her. Now at last his hands were empty.

"I come to relieve you," he said, and laid his hand upon the gift of perfect service. But she clung to it. "Oh good Friend," she begged, "let me keep it only a little longer. Let me keep it to the end."

And so Life let her keep it, but he led her very gently out from the heat and strife of the underworld, into fair places, cool and sheltered, and very sweetly she followed along his way, till at last she said to him:

"Friend Life, I love thee. Thou has been most gracious to me and I thank thee for all thy gifts and thy leading. But now, I am tired. I will lay me down in this shadowy place to rest. And thou mayst leave me." And so she folded her hands peacefully and smiled a little as her longtime Friend slowly faded from her sight.

Adulteration of Spices.

I listened to a lecture upon the subject of bees and birds in which the gentleman told how much the trees and their products were used by man. I was surprised when he mentioned the various and many ways wood was used, but he failed to men-

tion that it was used as a seasoner of foods.

In the bulletin sent out by the Kansas State Board of Health for August, the analyses of some of the condiments used by housekeepers in their cooking show that pulverized wood forms a large per cent of them. These were sold before the enactment of the pure food law. The following were taken from the above mentioned bulletin:

Mustard contained 5.016 per cent of ash.

White pepper contained 0.936 per cent of ash.

Cloves contained 7.15 per cent of ash.

Allspice contained 4.696 per cent of ash.

Cayenne pepper contained 7.90 per cent ash.

Black pepper contained 5.33 per cent ash.

Ginger contained 4.71 per cent of ash.

Cinnamon contained 3.71 per cent of ash.

Nutmeg contained 3.86 per cent ash.

The Young Folks

"Mother."

Im gittin' old—I know—
It seems so long ago—
So long sense John was here!
He was so young—our Jim
'S as old now 'most as him.—
Close on to thirty year!

I know I'm gittin' old—
I know it by the cold.
From time 'at first frost flies.—
Seems like—sence John was here—
Winters is more severe;
And winter I de-spise!

And yet, it seems, some days,
John's here, with his old ways . . .
Comes soon-like from the corn-
field, callin' "Mother" at
Me—like he called me that
Even 'fore Jim was born!

When Jim came—(La! how good
Was all the neighborhood!—
And Doctor!—when I heard
Him joke John, kind 'o low,
And says: Yes, folks could go—
"Pa" needn't be afeard!)

When Jim come.—John says —'e—
A-bendin' over me
And baby in the bed—
And jes us three,—says 'e.
"Our little family!"
And that was all he said. . . .
And cried jes like a child!—
Kissed me again, and smiled,
"Cause I was cryin', too.
(And here I am again
A-cryin', same as then—
Yet happy through and through.)

The old home's most in mind
And joys long left behind!
Jim's little h'istin' crawl
Across the floor to where
John set a-rockin' there!
(I'm gittin' old—that's all!)

I'm gittin' old—no doubt!—
(Healthy as all git-out!)
But, strangest thing I do,—
I cry so easy now—
I cry jes anyhow
The fool-tears wants me to!

But Jim he won't be told
'At "Mother's" gittin' old!
Hugged me, he did, and smiled
This morning, and bragged "shore"
He loved me even more
Than when he was a child!

That's his way; but ef John
Was here now, lookin' on,
He'd shorely know and see:
"But, 'Mother,' s'pect he'd say,
'Spouse you air gittin' gray,
You're younger ket than me!"

I'm gittin' old,—because
Our young days, like they was,
Keeps' comin' back—so clear,
'At little Jim, once more,
Comes h'istin' 'crost the floor
Fer John's old rockin'-cheer!

Oh, beautiful!—to be
A-gittin' old like me! . . .
Hey, Jim! Come in now, Jim!
Your supper's ready, dear!
(How more, every year,
He looks and acts like him!)
—James Whitcomb Riley in the October Century.

A Hallowe'en Barn Frolic.

The new barn was completed and the idea of having a Hallowe'en barn frolic suggested itself to a country club.

Some paper that resembled calico was found and the invitations were written upon it.

"It is to be an Eighteenth Century Hallowe'en," said one of the club.

A clause in each invitation suggested that the guests wear mob-caps of calico and gowns to match.

The decorations were beautiful. Pumpkin heads with candles inside were wired in sharply graduated rows from besom brooms, which were horizontally swung from ceilings. The

A Friend in Need—Always with You.

WHEN you have Heartburn, Colic, Coated Tongue, Suspected Breath, Acid-rising-in throat, Gas-belching, or an Incipient Cold, take a Cascaret.

Remember, all these are not merely Discomforts, but indications of a serious Cause.

Nip them in the bud—eat a Candy Cascaret. Cascarets don't purge, nor punish the stomach like "Bile-driving" "Physics."

They act like Exercise on the Bowel-Muscles that propel Food, and that squeeze the natural Digestive Juices of the body into Food.

Cascarets ward off, or cure, the following diseases:

- | | |
|--------------|------------|
| Constipation | Bad Breath |
| Biliousness | Headache |
| Indigestion | Diarrhoea |
| Dyspepsia | Flatulence |
| Torpid Liver | Faundice |
| Appendicitis | Nausea |
| Colic | Vertigo |
| Worms | Pimples |
| Piles | Blotches |

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

Headaches, Heartburn, Gas-belching, Acid-risings in the throat, and Colicky feeling are sure signs of bowel trouble from food poisons, and should be dealt with promptly.

One Cascaret will stop the coming trouble, and move on the Bowel load, if taken at the first signs.

Don't fail to carry the Vest Pocket Box of Cascarets with you constantly

All druggists sell them—over ten million boxes a year

Be very careful to get the genuine, made only by the Sterling Remedy Company and never sold in bulk. Every tablet stamped 'CCC.'

YOU SMILE

ON WASH DAY

IF YOU USE A CROWN CLOTHES LINE PROP.

FITTED WITH METAL TOP, WHICH PREVENTS SLIPPING OR COMING DETACHED FROM THE LINE; ALSO CREATES A GRAVITY WEIGHT AT THE BOTTOM OF THE POLE. NEVER SLIPS NO MORE CLOTHES SOILED IF THIS PROP IS USED.

ASK YOUR DEALER FOR IT IF HE CANT SUPPLY YOU, ADDRESS WHITE & BOHRER MFGRS, 316 MAIN ST. KANSAS CITY, MO. HOME PHONE MAIN 8029.

\$7.20 PER DOZ. A DISCOUNT TO DEALERS

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Mrs. Winslow's Soothing Syrup

has been used for over FIFTY YEARS by MILLIONS of Mothers for their CHILDREN while TEETHING, with perfect success. IT SOOTHES the CHILD, SOFTENS the GUMS, ALLAYS all pain, CURES WIND COLIC, and is the best remedy for DIARRHOEA. Sold by Druggists in every part of the world. Be sure and ask for Mrs. Winslow's Soothing Syrup and take no other kind. 25 Cents a Bottle.

An Old and Well-tried Remedy

Res. Tel. 775. Office Tel. 192.
L. M. PENWELL,
Funeral Director and Licensed Embalmer.
511 Quincy St. Topeka, Kansas

Jack-o-lanterns, varying from very small to quite large ones, were wired all along the handles of the besoms with particularly happy effect.

Huge bats constructed of brown cheese-cloth, whalebone and cotton-batting soared uncannily among the brooms.

A brighter light was furnished by one of the carriage lamps shrouded in autumn leaves. The floor of the lofts and passageways were strewn with fragrant clover hay and aired and warmed by the introduction of a couple of coal stoves.

In corners and under the bales of straw or fodder-corn were hidden quantities of nuts of different kinds for which the guests searched in odd moments between games, both as refreshments as well as for the time-honored divinations.

Among these were a small number of English walnuts which were found to contain amusing "fortunes" written on tissue paper (which is easily compressed into the small space of the nutshell) and so worded that they might apply to either a man or a woman.

To get the fun into swing they played the never-to-be-surpassed Puss in the Corner; but in this case with a pleasant innovation, the invention of the present entertainers, it was called Double Puss because played with partners instead of in the old way.

Where there is an orchestra, however small, it can be played with music, the couples, as well as Puss going in search of corners to the strains of two-step or waltz.

An ancient but now little-practised divination called the Fire o' Love was next arranged to amuse the assemblage. For this a large wooden wash-tub, filled with water, was hauled upon the scene. Each lady in the company was given a slip of paper on which to write her own name. These papers were twisted so as to hold together and were thrown upon the water.

At the same time a half-inch of candle-end, attached to a small-sized pickle cork was lighted and placed (cork side down) in the water. A blast from a palm-leaf fan created a mimic squall in the tub, during which the candle-end floated hither and thither, setting fire to most of the name papers.

At the end of three minutes the candle was removed and any papers remaining intact were opened. The persons whose name were discovered on these would never feel the fire of love, it was prophesied, and consequently would never marry.

The turn of the gentleman was then in order. Each man present wrote his name on a slip of paper and the fun continued as before.

A very old and very picturesque Nut-Crack Night ceremony, that of fortune-telling by the kalestock or cabbage plant was imitated in an amusing frolic which followed the fire test.

For this, a number of country cabbages, root and all had been secured. From the top of each a few leaves had been removed to make place for a piece of green tissue-paper. On half the number of these papers were written quotations concerning women; on the remainder, descriptions of "all sorts and conditions of men."

A handful of quotations will serve to illustrate the possibilities of these fortune slips.

To see her is to love her
And love but her forever. —Burns.

The reason firm, the temperate will,
Endurance, foresight, strength and skill.
A perfect woman, nobly planned,
To warn, to comfort, and command. —Wordsworth.

A lady so richly clad as she—
Be beautiful exceedingly. —Coleridge.

Framed in the prodigality of nature. —Shakespeare.

Full of strange oaths and bearded like the bard
Jealous in honor, sudden and quick in quarrel.
Seeking the bubble Reputation
Even in the cannon's mouth. —Shakespeare.

A rosebud set with little wilful thorns. —Tennyson.

From its mysterious urn a sacred stream
In whose calm depth the beautiful and pure
Alone are mirrored. —Talfourd.

Half the cabbages, those containing descriptions of the men, were planted on the right side of the barn, those describing women on the left.

One by one, the company donned light wraps and stole silently out into the crisp October night bathed in soft autumnal moonlight, to choose a kale-stock and pull it. Returning indoors the celebrant searched for the concealed fortune promised, found the hidden leaf and read in the verbal portrait it furnished a description of his or her "future."

When the genuine cabbage stalks are hard to secure, very pretty imitation ones can be fashioned from two shades of green tissue-paper and pliable wire.

Towards the middle of the evening a loud knocking came on the door of the barn. When the door was opened, a tall and very striking-looking gipsy, clothed in weather-beaten garments and decorated with heavy jewelry made of coins, stood revealed.

In a few words the gipsy explained that she had become separated by nightfall from the rest of her caravan, and besought shelter. In return for this boon she offered to read the fortunes of all desiring it, by the gipsy method of the saucers.

Seated on the straw, she quickly arranged in front of her a little row of saucers, each of which contained a different object, material or substance.

One of the plates contained a fragment of moss, another a bit of red cloth, a third a morsel of blue material, others, respectively, a spray of thorn, an end of heavy cord tied in a double knot, a little clear water, and a forked twig.

One by one the men and girls knelt before the saucers with closed eyes while the Bohemian incanted. Then the right hand was extended so as to touch a saucer.

If the saucer containing the moss was touched it meant wealth—a bed of luxury in the future. If the unlucky individual happened upon the plate containing the thorn, an unhappy love affair, unrequited love or a rejected offer, or marriage was plainly presaged.

The red cloth stood for the military profession. In the case of a young boy this might be a soldierly career, in that of a man with a career already decided, the daughter of a military man as wife, or a dangerous rival among the officers of the army.

The blue cloth had the same reference with regard to the navy. The forked stick meant marriage with a widow or widower. The clear water unwedded bliss. The double knot indicated approaching marriage or secret engagement.

In many cases so unmistakably did the gipsy charm guide the hand of the fate-seeker to the proper dish that the interpretations of the gipsy were received with irrepressible laughter and acclamation on the part of the audience.

Another frolic, borrowed for its picturesqueness from Hallow'e'en ceremonies of long ago, was divination by the mirror and apple. Anyone wishing to test this rite was given an apple and was sent along a dimly lighted corridor, at the end of which hung a mirror so placed that the moonlight imparted to it a faint radiance.

Before this the fate-seeker stood and slowly ate the apple, over which a charm had previously been repeated, and while doing so searched the looking-glass. Many of the girls, thanks to a hint furnished by the entertainers to some of the young men of the gathering, did verily see "Mr. Right" smiling out of the glass upon them.

Another ancient bit of sorcery was that of the mystic yarn. The committee furnished a large ball of worsted which any girl in the party was allowed to carry unperceived to another part of the building. Slowly raveling it upon the floor she walked backwards winding the end held in the hands into a smaller ball, repeating at the same time the mystic words:—

Slowly the mystic yarn, I wind, I wind,
One voice to hear, one heart to find.

The legend of the rite runs that a maiden so questioning the future will soon feel someone holding the end of

GIRLHOOD TO WOMANHOOD

Lydia E. Pinkham's Vegetable Compound



ELLEN M. OLSON

The responsibility for a daughter's future largely rests with the mother. The right influence and the information which is of vital interest to the daughter imparted at the proper time has not only saved the life but insured the success of many a beautiful girl.

When a girl's thoughts become sluggish, with headache, dizziness or a disposition to sleep, pains in back or lower limbs, eyes dim, desire for solitude; when she is a mystery to herself and friends, her mother should come to her aid, and remember that **Lydia E. Pinkham's Vegetable Compound**, made from native roots and herbs, will at this time prepare the system for the coming change, and start this trying period in a young girl's life without pain or irregularities. It has been thus depended upon for two generations.

Hundreds of letters from young girls and their mothers, expressing gratitude for what Lydia E. Pinkham's Vegetable Compound has done for them, are constantly being received.

Miss Ellen M. Olson, of 417 N. East St., Kewanee, Ill. writes:—

Dear Mrs. Pinkham:—
"I have had the best doctors in our town for my sickness and they all thought that an operation was necessary. I had headache,



CLARA E. DARMSTADTER

sideache, and my feet were so sore I could hardly stand. I took two bottles of Lydia E. Pinkham's Vegetable Compound when my periods were established and now I am perfectly well. Mama says she won't be without your medicine in the house. I have told one girl what Lydia E. Pinkham's Vegetable Compound has done for me and she is taking it now."

Miss Clara E. Darmstadter, of 453 Breckenridge St., Buffalo, N.Y., writes: Dear Mrs. Pinkham:—

"For about a year, except during the past few months, I suffered with severe pains every month, with backaches and headaches. I had the blues so bad that I was in despair. It is a pleasure to tell you that Lydia E. Pinkham's Vegetable Compound has cured me. The change in my appearance is wonderful and I desire that this good may come to every sufferer. Any one desiring to know further details may write to me and I shall be glad to give them."

If you know of any young girl who is sick and needs motherly advice, ask her to address Mrs. Pinkham, at Lynn, Mass., and tell her every detail of her symptoms, and to keep nothing back. She will receive advice absolutely free, from a source that has no rival in the experience of woman's ills, and it will, if followed, put her on the right road to a strong, healthy and happy womanhood.

Lydia E. Pinkham's Vegetable Compound made from native roots and herbs cures where others fail.

No other remedy has such a record of actual cures of female ills. Thousands of women residing in every part of the United States bear willing testimony to the wonderful virtue of Lydia E. Pinkham's Vegetable Compound and what it has done for them. **Lydia E. Pinkham's Vegetable Compound; a Woman's Remedy for Woman's Ills.**

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125 Boston Bldg., Kansas City, Mo. Teaches steam, electricity, gas, refrigeration, arithmetic. The only school of the kind in the West. Machinery in actual operation. Students enroll any time. Assisted in positions. Have not been able to get to all positions. Reference: National Bank of Commerce.

Be Our Guest on A Trip to Colorado

On the first and third Tuesdays of each month we run excursions to Otero County, Colorado, and we want you to be our guest. We want to show you 5,000 acres of irrigated land which we are offering for sale in any size tracts from \$70.00 to \$125.00 per acre. We want to show you land that can be made to yield a larger cash profit than any other farm land in the country.

Here are a few crops that pay big money: Raising sugar-beets will yield \$100.00 or more per acre. Alfalfa will bring \$40.00 or more. Raising cantaloupes will yield \$500.00 per acre and upwards. Fruit \$100.00 to \$500.00 per acre and upwards. Vegetables from \$80.00 to \$125.00 per acre. Wheat 60 to 70 bushels per acre. Oats 75 to 100 bushels per acre, and many others, too numerous to mention in this announcement, can be made to yield equally as much. The Colorado climate is the most healthful in the world. The clear air and the sunshine makes it a paradise for health-seekers. Tens of hundreds of people visit this state every year simply to rest and recuperate. Almost 340 days of the year the sun shines. No severe winters or bad weather. If you buy one of our farms you can be working while the farmer in the North and in the East is hugging the stove to keep warm. You and your children will have every possible advantage. We have good schools; high-schools and country schools. Churches of all denominations within easy walking distance. This shows there are a good class of people there. The land is almost perfectly level and is full of vegetable mould. It is located between Olney Springs on the Missouri Pacific Railroad and Rockyford on the Santa Fe. Rockyford is the famous Cantaloupe town. The roads are in the best of condition. They never get muddy, and travel or hauling is easy at all times. We have the Rural Free Delivery Mail Routes which reach every home and hamlet.

The good telephone service puts you in touch with all parts of the state and union. We have good well water for drinking purposes and plenty of water for irrigating which is already on the land. Our season

Otero County, Colorado

is early and we are located near the markets, thus affording you the best prices. Building in Otero County is as cheap, if not cheaper, than anywhere else in the North, East or South. If you so desire, you can build a 2-room portable house for about \$80.00 until you get ready to build a good house, which would cost from \$250.00 up. Our prices for this land are extremely low when you consider that land in other parts of the state is selling for from \$250.00 to \$1,500.00 per acre.

The land that we are now offering you will double in value within the next year. The advantages of one of these farms are too numerous to mention in the limited space of this announcement. We want you to be our guest and go out with us and see for yourself. Let us prove to you that the above statements are not in the least overdrawn.

Here Are Some STUBBORN FACTS—See report No. 80, U. S. Department of Agriculture, Page 109, on Colorado Irrigated Lands:
 480 acres sugar beets 10,100 tons or..... \$50,500
 Less all expenses 19,200
 Net profit..... \$31,300

Compared With Corn—
 480 acres corn 24,000 bu. or \$9,600
 Less all expenses 3,600
 Net profit..... \$6,000

Net profit in favor of sugar beets..... \$25,300
 The price of beets every year is \$5.00 per ton. The price of corn uncertain.

On 34 acres of beets one man cleared net \$3,825.

Another rented 80 acres for 3 years, planted all in sugar beets, he paid rent \$4,380, and cleared above all expenses \$9,920.

Fill out the attached coupon and mail it to us.

You do not need to write a letter. We will send you full information, maps and other circular matter.

We want you to become a Colorado farmer, to live in the most healthful state in the union, and to get the largest cash returns for your labor.

If you cannot make a trip with us to Colorado, we would suggest that you read carefully our circular matter, pick out the farm that you want, send in your first deposit, and then make the trip at your convenience. This is not a speculation or a chance game of any kind, but it is the simplest, sanest, safest, soundest, best investment you will ever have a chance to make. Failure is unknown except through individual carelessness. You are absolutely fortified against frosts by the climate—against excessive rains by the natural conditions—against drought by the most complete and perfect irrigation system in the country.

The land is selling rapidly and we want you to get your choice at once, so fill out the coupon and send it to us without delay.

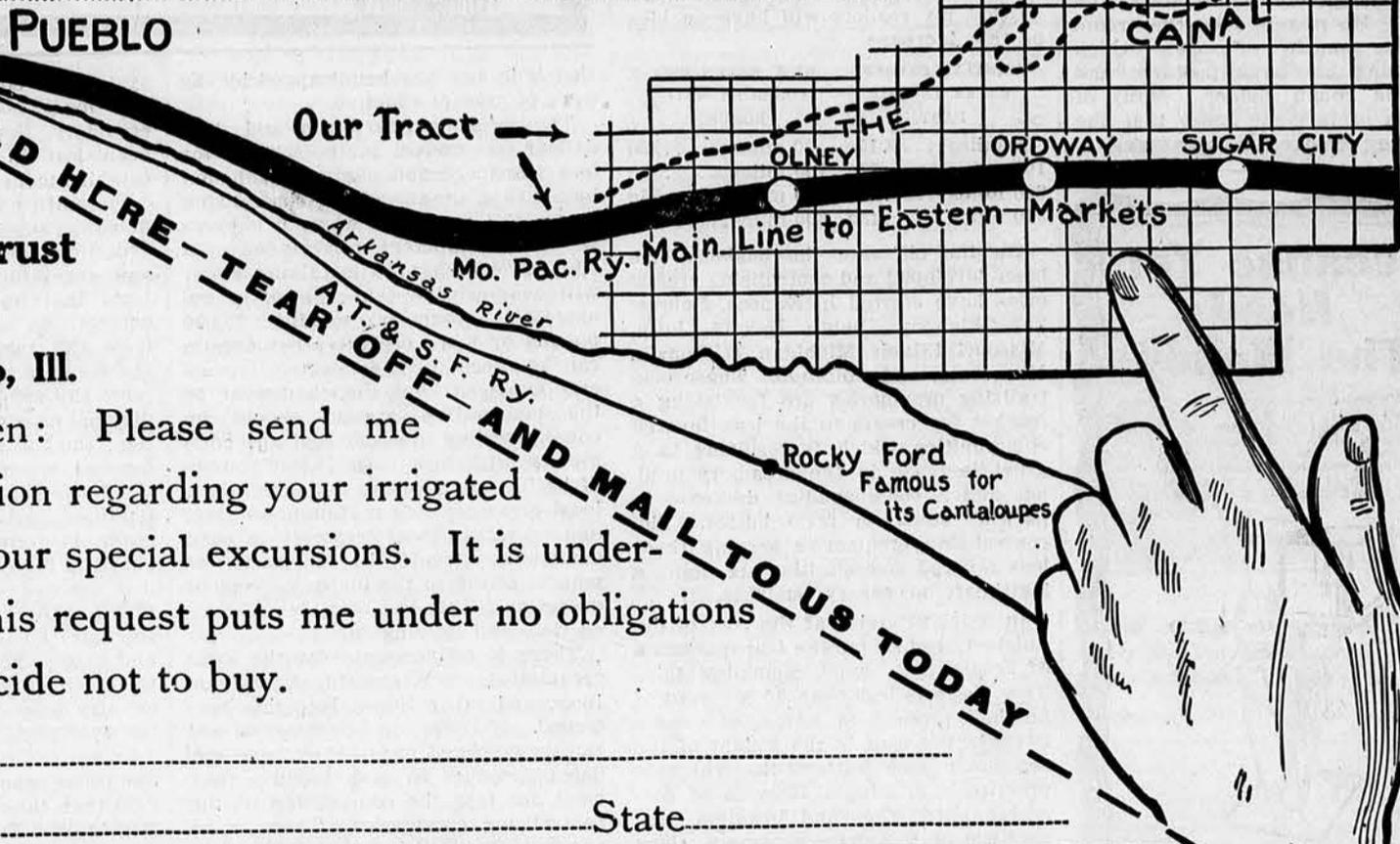
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539
The Northwest Land & Trust Company,
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Gentlemen: Please send me full information regarding your irrigated lands, and your special excursions. It is understood that this request puts me under no obligations should I decide not to buy.

Name

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TOPEKA BUSINESS COLLEGE, Topeka, Kansas

Dairy Interests

Cream Freights.

It is a well established fact that farmers in general do not milk cows as a matter of choice. The constant attention and labor essential for a successful dairy business does not appeal to the average farmer if he can make a living and add to his bank account through the means of grain-raising, live-stock, sugar-beets, and other farming not quite so exacting. So we have in this country a decidedly different class of dairy farmers where they milk cows from necessity, than where they milk cows merely to make use of the milk and raise the calves to consume the rough fodder and grain on the farm.

In such communities where the farmers milk cows from necessity or choice, there are generally large quantities of milk and cream produced. It is the main business of the farmer. He studies it; he cooperates with his neighbors; large quantities of milk and cream are produced, and it becomes possible to establish and maintain creameries locally on the individual or cooperative principle. Farmers of this class are enough interested in the business to make sacrifices and in every way sustain the business under unfavorable as well as favorable conditions. In the various States west of Chicago and east of the Rocky Mountains there are perhaps 2,500 communities where this favorable condition exists, and local creameries are maintained. There is no question that, when rightly managed, the cooperative or individual creamery is a success and returns the farmers good value for the milk and cream they have to sell. On the other hand, we have the farmer who does not milk from necessity, whose main business is live-stock raising, grain, or sugar-beet raising, and the sale of hay and farm products. This class of farmer wants primarily a good calf to which he can feed his rough fodder and grain so that it will grow into a fat beef in two or three years. This class of farmer may milk a lot of cows in the summer time and a very few in the winter, and dairying must be made easy for him. He does not take any trouble to cooperate with his neighbors or to study the business. He merely sells the cream from his bunch of cows which are roaming his large pastures and eating his rough fodder. Many of this class of farmers figure that the money they receive for their cream is

net profit, inasmuch as they would have to milk the cows anyway in order to feed the calves and pigs, live-stock and the sale of grain products being the main business. In sections where this class of farmer predominates it is not possible to maintain a cooperative or individual creamery. The supply may be quite large in three or four summer months, but very light in the winter months. Under unfavorable conditions, such as droughts, shortage of feed, low prices for dairy products, etc farmer is easily discouraged and often will discontinue milking entirely for months at a time. In sections where this class predominates it has not been possible, and it is not now possible, to maintain local creameries. In the States west of Chicago and east of the Rock Mountains there are perhaps 20,000 communities where this class of farmer predominates. I will call this the unfavorable community for dairy conditions. I could also mention other conditions, such as climate, character of feed raised, condition of soil, nationality, which all enter into the question of a favorable dairy community.

In the unfavorable communities we find that nowadays the hand separator is in universal use, brought about by the farmers' desire to have good skim-milk for their young calves and pigs and also to reduce the expense of delivering their cream in town. In favorable communities the cooperative or individual creamery has come, and I hope it will stay. In the less favorable communities the centralizing creamery has come, giving a market for cream, where the business must be made easy for the farmer, a market given him for his cream, and a system maintained that is flexible and economical, suiting itself to conditions as they actually exist. There are today perhaps more than a hundred centralizing creameries which are serving these less favored communities, each community having all the way from one to a hundred farmers selling cream to agents of the centralizing creameries. In these communities there are generally from one to six agents buying cream from the centralizing creameries, furnishing wide competition for the farmers' cream.

All railroads operating west of Chicago have recently announced an increase in the express rate on cream. I will give here a few comparisons, so that my readers will have an idea of this increase.

EXISTING EXPRESS RATES IN THE PAST.	NEW RATES PROPOSED BY RAILROADS.
30 miles.....15c	30 miles.....25c
100 miles.....27c	100 miles.....35c
200 miles.....35c	200 miles.....55c
300 miles.....45c	300 miles.....65c

On the old rate the business has been developed and centralizing creameries have started in Kansas, Nebraska, Oklahoma, South Dakota, Iowa, Missouri, Illinois, Michigan, Wisconsin, Minnesota, and Colorado. These centralizing creameries are furnishing a market for cream to the less favored communities which is resulting in a great increase in the creamery product and a corresponding decrease in packing stock, or farm butter. The centralizing creameries serving these less favored communities are doing a legitimate necessary business.

In order to arrive at the cost of the finished product for the transportation of cream we must remember this: That there is less than 30 per cent of finished product in a can of cream. Seventy per cent is the weight of the receptacle and buttermilk, which is practically a waste. Records of several hundred thousand 10-gallon cans received at a Kansas creamery, show that the average butter-fat in a can of cream is 25 pounds. This will manufacture less than 30 pounds of butter; so when a 10-gallon can of cream is transported 30 miles it costs a half a cent per pound of butter for transportation. If it is shipped 200 miles, it costs over one cent per pound. If it is transported 400 miles it costs nearly two cents a pound. These old rates now existing are fair, and there is no locality in the States herein mentioned

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THE IMPROVED FRICTIONLESS

EMPIRE CREAM SEPARATOR

Mere Claims are nothing but words. Proved Facts are records of something done. Anybody can make claims; they cost nothing and mean less.

We want to show you the difference between the Proved Facts we state and the Mere Claims others may make. The Proved Facts regarding the

Improved Frictionless EMPIRE CREAM SEPARATOR

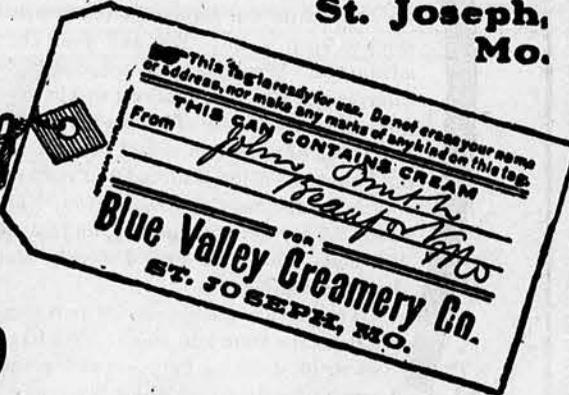
are—It is —The easiest to turn —The easiest to wash —The most durable
—The most economical —The best constructed —The simplest

cream separator on the market. And remember: These are FACTS proved by many thousands of EMPIRE users, the people who know. They get THE MOST DOLLARS from their cows. Do you want them too!

Empire Cream Separator Co., Bloomfield, N. J.

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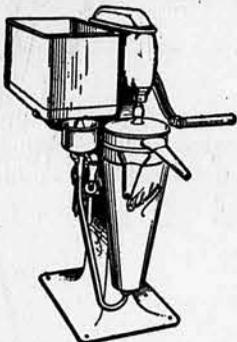
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YOU get all the Profits instead of dividing with the middlemen. Our booklet explains the system fully. Write for it. "KEY TO SUCCESS, or Full Information of the Individual Direct Shipper's System."

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Because You Need The Money

It's your business and if you don't attend to it, who will? You cannot afford to keep cows for fun. That isn't business, and furthermore, it isn't necessary. There is money in cow keeping if you go at it right, and besides there is more fun in going at it right than there is in staying wrong.



You need a Tubular Cream Separator because it will make money for you; because it saves labor; because it saves time; because it means all the difference between cow profits and cow losses.

Look into this matter; see what a Tubular will do for you and buy one because you need it.

How would you like our book "Business Dairying" and our catalog B. 163 both free. Write for them.

The Sharples Separator Co.
West Chester, Pa.
Toronto, Can. Chicago, Ill.

that is in any way handicapped by the rates at present effective.

The local creamery can and does deliver its product in the market for less transportation charge per pound butter than do any of the centralizing creameries, no matter where it is located. Any competent, fair-minded man who knows what he is talking about will acknowledge that a local or cooperative creamery making 75,000 pounds or more of butter per annum can be successfully conducted if properly managed; but the champions of the cooperative system should be equally willing to admit that any community with less than 75,000 pounds of butter annually can not maintain a local creamery. Any attempt to start and operate a local creamery in such community would be a waste of money, owing to the increased cost of operation. This has been demonstrated time and time again.

There is no necessity for the local creameries in Wisconsin, Minnesota, Iowa, and other States becoming hysterical. If these local creameries are rightly managed and if they have sufficient product to manufacture, they need not fear the competition of the centralizing creameries. There is no necessity for these local creameries in favorable communities, through their representatives, to assist the railroads in imposing an additional tax for the transportation of cream from less favored communities. This increase in transportation, if granted, will, to a great extent, fall on the farmers' product. This increase in transportation charges is so excessive that it will, in many communities, destroy the dairy business.

Fifteen years ago the only known

system for conducting creameries was the local cooperative or individual creamery. Several million dollars have been lost in the West through the establishment of local creameries in communities where they were not sufficiently supported. As a matter of evolution along economical principles, and accepting present conditions as facts that have come about through competition and self-preservation, we have the two systems, proving that my theories as herein stated are correct: the successful cooperative or individual creamery in favored communities; the centralizing creamery in less favored communities. I believe that the farmers in the best favored communities, instead of assisting the railroads in imposing an additional expense on the conduct of the business in less favored communities, should all pull together for the general good of the dairy business, seeking to increase and better the dairy products, so that the large number of consumers in the country may be served with good butter at a reasonable price. If not, we may see the time when oleomargarine and other substitutes will have a wider field than they have today.—W. F. Jensen, in New York Produce Review and American Creamery.

How would you like to be paid for calling upon your neighbors? THE KANSAS FARMER wants a regular representative and is ready to pay good wages for good work. Write us.

We have been asked if the hot air engines work well in cold climates. Better service is obtained in cold than in hot climates.—Rural New Yorker.

Durable Harness
Your harness will always look well and wear well, and will give double service if treated with

EUREKA Harness Oil

Prevents rotting. Gives a glossy black finish. Makes leather soft, strong and durable.

BOSTON COACH AXLE OIL
is the best axle lubricant. Will not gum or corrode. Superior to castor oil and more economical. Sold everywhere—all sizes.

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ORPINGTONS—1,000 to sell to make room. Catalogue free. W. H. Maxwell, 1906 McVicar Avenue, Topeka, Kans.

CHOICE Buff Orpington and B. P. Rock cockerels. Cattle pups and bred bitches. Send for circular. W. B. Williams, Stella, Neb.

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BROWN'S WHITE WYANDOTTES—Ahead of everything; stock for sale; eggs in season. I have the English Fox Terrier dogs. Write me for prices and particulars. J. H. Brown, Clay Center, Kans.

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Light Brahma Chickens
Choice pure-bred cockerels for sale. Write or call on
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BLACK LANGSHANS.
American Central Poultry Plant
Buff, Black and White Langshans, Silver Spangled Hamburgs, Silver Laced, Buff and White Wyandottes, Single Comb, Rose Comb and Buff Leghorns, Black Minorcas, Buff and White Rocks, S. C. Rhode Island Reds, Barred Rocks, Buff Orpingtons and Light Brahmans.

Also Bronze turkeys, small Pekin Ducks, Rouen ducks, Toulouse geese, and peacocks. Each variety kept on separate tract of farm. Write for free 20-page catalogue giving prices on stock and eggs. —Address—
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PURE-BRED WHITE LANGSHANS for sale. Hens \$1.25, pullets \$1 each; also a few Silver Spangled Hamburg cockerels. Mrs. John Cooke, Greeley, Kans.

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PURE-BRED S. C. B. Leghorn cockerels \$1 each, six for \$4. Mrs. F. E. Town, R. 3, Haven, Kans.

Grand cockerels from prize winners of the Famous Witman strain of S. C. Brown Leghorns. Prices from \$1.50 to \$5.00 each. Special prices on doz. lots. L. H. Hastings, Quincy, Kans.

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S. C. BROWN LEGHORNS—Some fine early hatched cockerels for sale cheap. We handle two best strains of Leghorns. Come early if you want the best. Write for prices. L. H. Hastings, Quincy, Kans.

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

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White Plymouth Rocks
EXCLUSIVELY

Good for Eggs. Good to Eat. Good to Look at.
W. P. Rocks hold the record for egg-laying over every other variety of fowls; eight pullets averaging 290 eggs each in one year. I have bred them exclusively for twelve years and have them scoring 94 to 96%, and as good as can be found anywhere. Eggs only \$2 per 15; \$5 per 45, and I prepay expressage to any express office in the United States. Yards at residence, adjoining Washburn College. Address

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FOR SALE—Single and Rose Comb Rhode Island Red cockerels. Fine shape and color; pure breeding. Mrs. Chas. Matson, Route 2, Cheney, Kans.

MISCELLANEOUS.
AGENTS—To sell and advertise our Poultry Compound; \$35 weekly; rig furnished. Franklin Manufacturing Company, Norwalk, Ohio.

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A clean, bright, practical monthly, only 25 cents per year. ELDON, MO.

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The Poultry Yard
CONDUCTED BY THOMAS OWEN.

Poultry Notes.
If you have taken proper care of your chickens they should be over their molt and laying by this time. The high prices paid for fresh eggs should amply compensate you for your expense and labor and leave a comfortable margin for profit.

If you wish to begin in the pure-bred poultry business, there is no better time to start than in the fall. Get your poultry house and yard ready and purchase some stock from a reliable breeder, as it is at this season of the year that he usually has more than he cares to keep over; in fact, he is crowded for room and has more to select from and will make better prices than he can in the spring. In the meantime the beginner has a fine opportunity to study his fowls and the ways of handling them and by spring he will be prepared to branch out in raising young stock. Of course, if one wishes to begin by starting with eggs, he must do so in the spring, and as early as the safety of the eggs is assured by reasonably reliable weather, but he loses a year's time by waiting for eggs, rather than buy fowls this fall.

It is a little odd that in this country where every facility exists, so few ducks and geese are raised. These are proverbially the most hardy and long-lived of all our poultry. In places where cholera and roup sweep off the fowls and turkeys, geese and ducks, which are not subject to these diseases, should be tried. In densely populated Great Britain and even in Belgium, where one would suppose there was little room, more geese are raised to the square mile than in all the United States. In the interior, ducks and geese can be raised more profitably than other kinds of poultry, and especially where cholera prevails, is the place to raise them. If you have alfalfa fields for them to range on they will need very little grain.

Keep the fowls tame and sociable and they will always be glad to see you when you visit their quarters. You may thus handle them readily and get them accustomed to being petted. If you wish to take them up to examine, show to callers, weigh, set, or otherwise, you will have no occasion to chase them all over the lot and be covered with dust and dirt in your efforts to capture them as is too frequently the case in a majority of chicken yards.

Save your alfalfa leaves for the laying hens this winter. On every farm where alfalfa is raised, large quantities of the leaves collect on the barn floor. This should be gathered up daily and put away in barrels or boxes for future use, for these leaves are the choicest parts of the hay. The hens will eat large quantities of this dry, if it be supplied in conveniently arranged boxes, so made as to prevent the birds from wasting it. The best way, however to feed it is to scald it with hot water and put some corn-meal with it. The fowls relish it exceedingly and it goes far towards taking the place of green food, which is not always obtainable in the winter months. Besides it will save a considerable portion of the grain ration, for the fowls that have plenty of alfalfa will not need so much grain as those who are deprived of it.

A FINE STYLE BOOK FREE.
Nebraska Clothing Company Issues
Elegant Book Printed in Two Colors—Sent Free for a Postal.
The Nebraska Clothing Co., have just issued their semi-annual fashion book for men and boys, showing every correct and approved style for the season 1907-8.
This book is valuable to every household—with it you do not have to guess at the correct dress for any occasion. It tells you and tells you correctly.
Forty pages of illustrations and descriptions



BUY YOUR SEPARATOR NOW

If you have three or more cows and do not own a Centrifugal Cream Separator, you certainly need one and doubtless know that you do. If so, do not make the mistake of delaying its purchase "until Spring" or for that matter even another month. Buy it NOW, and it will have more than half paid for itself by Spring.

Butter prices at present are unusually high, and it is being predicted that first class butter will retail at 50 cents per pound in the large cities this coming Winter. With butter values so high, can you afford to waste from one-third to one-half your butter fat, as you are surely doing without a separator? A separator will save the very last bit of butter fat, double your dairy profits, and cut your work in half.

Buy your separator NOW and take the first step toward making this most profitable of all farm investments by sending at once for a DE LAVAL catalog.

THE DE LAVAL SEPARATOR CO.
RANDOLPH & CANAL STS. CHICAGO
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General Offices: 74 CORTLANDT STREET, NEW YORK.
178-177 WILLIAM STREET MONTREAL
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The Prairie Queen Mfg. Co., NEWTON, KANSAS

A splendid line of second hand engines, rebuilt this fall and put in first-class working order, almost as good as new. Sizes 10 to 25 horsepower. Leading makes. Favorable terms.

\$\$\$ DEEP CUT PRICES. \$\$\$

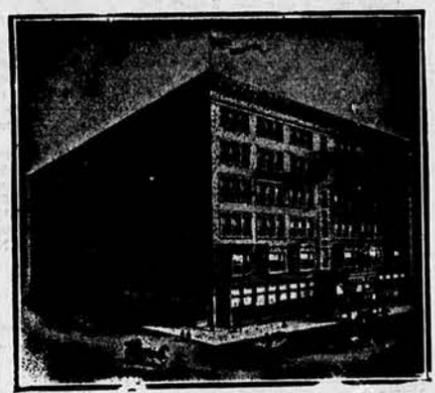
Write for particulars, or what is better, come and let us show you.

The Prairie Queen Mfg. Co., Newton, Kans.
Manufacturers of the Prairie Queen Grain Separator and General Agents for The A. D. Baker Traction Engines.

of every popular article of apparel for men and boys, with a liberal assortment of samples of the newest cloths.
This book will be sent you for the asking—a postal will do. Simply address the Nebraska Clothing Co., 1113, 1115 Main Street, Kansas City, Mo., and ask for Book 16 and mention The Kansas Farmer.

Facts of Interest to Farmers.
New ideas in the care and feeding of farm animals have brought to pass some radical changes in farm methods, greatly to the advantage of the farmer.
As an instance, take what may be called the "tonic idea." It teaches the necessary use of a proper digestive and corrective preparation during the weeks or months in which an animal is being fitted for market.
While this is comparatively new idea, its importance can not be over-estimated. No one single feature of the "new farm science" touches the profit side of the business so directly as this.
It points the way to a vastly more prosperous era in cattle raising as a branch of farm operations. It means greatly increased profits and a business established on a permanent basis.
The "tonic idea" is a simple, common sense proposition that the feeder of live stock will instantly appreciate once it is brought to his attention. Every feeder knows that at some point in the fattening process there may come to the animal a more or less serious digestive break-down caused by long-continued heavy feeding. No need to say that this disaster is to be avoided if satisfactory results are to be reached or a margin of profit realized.
The purpose of the stock "food tonic," then, is to correct and prevent just this dangerous condition, and as the "ounce of prevention is worth the pound of cure" it follows that no feeder can afford to wait until the mischief is done, but should keep the digestive apparatus of his fattening cattle in a healthy condition from the start by the use of the tonic.
Experiments carried so far that there can be no reasonable doubt of the accurate results reached, prove that a "food tonic" containing the bitter principles which aid digestion, iron for the blood and nitrates which cleanse the system, is especially beneficial in preserving perfect animal health under all conditions.
No farmer or feeder can afford to risk his stock without it.
By acting directly upon the digestive organs, it enables a fattening steer to consume, day after day, large amounts of grain, and of course lay on flesh rapidly.
To the cow in milk the result is the same, except that the increased assimilation of food is secreted as milk rather than fat.
To horses the "food tonic" is very valuable. General good condition is always present where it is given and in fitting for market it gives most successful results.
Sheep and hogs derive an equal benefit from

HOTEL KUPPER
11th and McGee St.
Kansas City, Missouri



One of the newest and most centrally located hotel in the city. Absolutely modern in every detail.
European Plan, \$1 per day and up

the "food tonic."
Lambs grow more rapidly where a very little is given in daily doses and tin the scale at a better figure when market day comes.
Hogs receiving it are uniformly healthy and make enormous growth in less time than would be possible under any other system of feeding. These facts show how vitally the farmer's interest is associated with the "food tonic" idea.
Such men as Professors Winslow, Quitman and Philey Dun Indorse its ingredients and successful men are using it.
"What's the Use?"
"Ma, do I have to say, 'Give us this day our daily bread?'"
"Certainly, Robbie."
"I don't see why. You know you baked yesterday for a week."—Life,

Barrenness.

DR. DAVID ROBERTS, WISCONSIN STATE VETERINARIAN.

Barrenness, sterility, or failure to breed in cows and heifers, is due either to imperfect, unnatural, or diseased genital organs.

Imperfection of the genital organs is one of the causes of barrenness, and may be due to an undeveloped womb or imperfect ovaries.

It is usually the case that when a twin heifer and bull calf are born, and the bull proves to be fruitful, the heifer is barren, and vice versa. If this be the case with the heifer, she is not liable to come in heat at all, and is very apt to take on a very masculine appearance, more often having the appearance of a steer than a bull. Even after she has arrived at breeding age the breeding organs are undeveloped and there is no sign of an udder, this being proof of imperfect genital organs.

An animal thus afflicted can never be made to breed.

An unnatural, swollen, and inflamed condition of the genital organs may be brought on by a retention of the afterbirth, this being allowed to be retained in a decomposing condition until it rots away, leaving the mouth of the womb irritated, scalded and sore, so that when it does close, it heals closed so firmly that it cannot be opened without mechanical aid in the form of a dilator.

The genital organs may become diseased from several causes, chief of which is neglect, in cases of retained afterbirth, the same becoming decomposed and converted into matter, causing a catarrhal condition of the mucous membrane of the womb and vagina.

If a cow be served while in this condition, the semen of the bull will be destroyed by this corrosive discharge, thus preventing conception.

THE KANSAS FARMER wants more representatives to take care of its rapidly growing subscription. Will pay good money to the right parties. Write us about this now.

Grain at Kansas City.

Kansas City, Oct. 21, 1907.

The wheat market has been subject to many fluctuations during the last week. Prices today were as follows: By sample on track at Kansas City: No. 2 hard, 8 cars, \$1.03 1/2, 2 cars \$1.03 1/4, 4 cars \$1.03, 9 cars \$1.02 1/2, 1 car like sample \$1.02; yellow and ordinary, 1 car \$1.02, 10 cars \$1.01, 3 cars \$1.00 1/2, 9 cars \$1.00, 1 car like sample 99 1/4, 1 car like sample 99; dark, 15 cars \$1.02, 14 cars \$1.01 1/2, No. 3 hard, choice turkey, 1 car \$1.02 1/2, 2 cars \$1.02, 9 cars \$1.01 1/2; fair to good turkey, 9 cars \$1.01; dark, 3 cars \$1.01; yellow and ordinary, 1 car \$1.00 1/4, 5 cars \$1.00; turkey and dark, 1 car 99 1/4, 2 cars 99c, 1 car smutty 99c, 1 car 98 1/4, 4 cars 98c; fair to good, 2 cars 98c, 5 cars 97 1/2, 10 cars 97c; ordinary, 4 cars 97c, 2 cars 96c, 1 car 95c. Rejected hard, 1 car 96 1/2, 1 car 96c, 1 car 95c, 2 cars 95c. No grade hard, 2 cars 95c. No. 2 red, fair to good, 4 cars \$1.05, No. 3 red, choice, 4 cars \$1.03 1/2; fair to good, 8 cars \$1.03, 4 cars \$1.01 1/4, 3 cars \$1.00. No. 4 red, fair to good, 1 car 99 1/2. No grade soft, 1 car 96c. Mixed wheat, No. 3, 1 car \$1.00. Durham wheat, No. 2, 1 car 89 1/4, 1 car part hard 88c. No. 3 Durham, 1 car 88c, 1 car 87c. No. 3 white spring, 2 cars 95c.

Kansas City Live-Stock Market.

Kansas City Stock Yards, Oct. 21, 1907.

Cattle run last week was 80,800 head, including 14,000 calves, and the market moved steady to a shade lower on nearly everything. Some fancy show steers sold at \$7.75 to \$8.25, but the top of the general market was \$6.90. Supply today is 20,000 head, including 2,000 calves. Market barely steady, account of the adverse influence of the excessive supply of 38,000 head centered at Chicago today. The best steers here today are not top notchers, fair to good fed steers selling at \$6.00 to \$6.50, short fed steers 5.50 up, and grass steers \$3.75 to \$5.25. Grass cows bring \$2.75 to \$3.75, several big strings of Southwestern Kansas cows, around 900 pounds, at \$3.25 and \$3.35; grass heifers, \$3.00 to \$1.25; a few fed heifers above \$5.00, veal calves up to \$6.50, heavy calves \$3.25 to \$4.50. Trade in stockers and feeders slackened up after Thursday last week, yet the total output was more than 1,000 car loads for the week. Some stockers exhibited in the range cattle division of he show sold at \$4.75 to \$5.00, but range stockers sold on the general market at \$3.25 to \$4.00, feeders today is stronger than the close of last week, although there have been prediction of a let-up in the buying because of the high price of corn and other feed. Supplies from the range country will continue liberal as long as the weather is pleasant, but will drop off with the advent of the first bad storm over the range country.

The hog situation is not as good as last week. Prices declined 10 cents last week, after various fluctuations, and the market is 10c to 15c lower today. Receipts last week were 49,000 head, somewhat larger than recent weeks, and an increase over a year ago; run today, 6,500 head. A small lot of hogs sold today at \$5.35, but top on loads to packers

Special Want Column

"Wanted," "For Sale" "For Exchange," and small want or special advertisement for short time will be inserted in this column without display for 10 cents per line of seven words or less per week. Initials or a number counted as one word. No order accepted for less than \$1.00.

CATTLE

FOR SALE—One 2 year-old Shorthorn bull. One February bull calf. Nice redds. Calthor & Stein, Smith Center, Kans.

FOR Red Polled bulls or heifers, write to Otto Young, Utica, Ness County, Kansas.

SPECIAL SALE—5 straight Crutchehank Shorthorn bulls for sale at bargain prices for quality. H. W. McAfee, Topeka, Kans.

ABERDEEN-ANGUS CATTLE and Percheron horses, Stock for sale, Garret Hurst, breeder, Peck, Sedgwick County, Kans.

SWINE

MY MISFORTUNE—Failure of corn. Your opportunity. Poland China hogs at half price. Any age, either sex. Dare you to write me. F. H. Bartington, Sedan, Kans. Route 3.

FOR SALE—Pure-bred Duroc-Jersey boars and sows. Mrs. Ralph Robinson, Medora, Kans.

FOR SALE—Large boned, extra size thoroughbred Poland-China boar, 2 years old, best of breeding.—J. W. Cunningham, Route 2, Meriden, Kans.

FOR SALE—Forty registered Duroc sows and gilts bred for August and September farrow. Also a few unpedigreed sows, bred to fine boars. R. O. Stewart, Alden, Kans.

HORSES AND MULES.

FOR SALE CLYDESDALE STALLION in a bargain. Weelum McLure 10217, in Vol. XI, American Clydesdale Stud Book, color black, stripe on face, inside of left hind pastern white; foaled April 13, 1901, bred by Col. Robt. Holloway, Alexis, Ill.; has fine feather, sharp flinty bone and splendid feet; weighs about 1800 pounds, kind and obedient, works single or double, a sure breeder, his foals show their ancestry, his sire was MCAra 5586 (7991); dam, Minuet 2d 8468, that won first prize at Chicago International. A rare opportunity to get a splendid stallion at a bargain in whose veins flows the blood of the renowned Damley (222), the matchless Prince of Wales (673), the mighty Druid (654), the noted Lord Lyon (489) and the famous Lochfergus Champion (449). An extended pedigree and photo will be sent on application for particulars. Address Wm. H. Stewart, Olean, N. Y.

STALLIONS, all breeds, for sale on shares. Write for particulars. Will buy 20 head registered stallions. E. E. Gray, Hinsdale, Ill.

PERCHERON STALLION FOR SALE—Owing to circumstances I am forced to sell my 7-year-old registered Percheron stallion. He is sound, kind, big, has a fine action and is a perfect show horse. Will fully guarantee him. Terms: Cash, approved notes, or will trade for cattle. J. B. Weldon, Eureka, Kans.

TWO JACKS FOR SALE—3 and 4 years old, Missouri bred. Address S. C. Hedrick, Tecumseh, Kans.

FOR SALE—One black team, 6 and 7 years old, weight 2600 pounds. Mr. and Mrs. Henry Schrader, Wauneta, Kans.

SCOTCH COLLIES.

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

Scotch Collies.

Fifty-seven Collie puppies just old enough to ship. Place your orders early, so you can get one of the choice ones. Walnut Grove Farm, Emporia, Kans.

MERIDEN PARK HERD OF POLAND-CHINA SWINE

For sale, spring and fall gilts and spring boars, all gilts to be sold open. These are half brothers and full and half sisters to the gilts that made such phenomenal winnings at the American Royal show. They are large, smooth and growthy, not an off one in the bunch. Write

F. A. TRIPP & SONS, Meriden, Kans.

was \$6.25, bulk of sales \$6.10 to \$6.20. Heavy hogs are selling within 5 to 10 cents of the top, medium weights and lights selling close together, at the top, although a good many inferior light hogs and pigs sell farther down the line. A good shipping demand continues, which keeps light weights up with the others. Sheep and lambs came in smaller numbers last week and the market made slight gains during the week. Supply today is 10,000 head, market steady. A good share of the supply is suitable for the country, and demand for this class continues good, with prices 25 to 50 cents below the high time a month ago. Breeding lambs bring \$6.00 to \$6.60, wethers and yearlings up to \$5.50, breeding ewes \$4.25 to \$5.75. Fat lambs are worth \$7.00 to \$7.25, wethers and yearlings \$5.00 to \$5.50, ewes \$4.75 to \$5.25. J. A. RICKART.

South St. Joseph Live-Stock Market.

South St. Joseph, Mo., Oct. 21, 1907.

There are still too many cattle moving towards the markets for any improvement in prices. There were above 76,000 in sight today at the five markets, and this is fully 20,000 more than what immediate wants of the trade called for. The market at this point was sluggish in all classes of offerings and prices were generally weak to 10c lower. This condition applied all along the line. There was an absolute lack of good fat steers in the native line, nothing here good enough to sell above \$5.65 and these were light weight short fed steers. Cows and heifers and range cattle of all kinds were slow and around a dime lower. Strictly good strong weight feeding cattle held about steady, but everything else in the stocker and feeder line met sluggish outlet and further reductions in prices were necessary. Supplies on hand are very large at present.

The total receipts of hogs in sight today were not excessive for a big majority of this total was concentrated at Chicago, and a breaking market at that point forced lower prices at all river markets. Local prices

REAL ESTATE

FOR SALE—A fine farm for you. 160 acres all fenced. Splendid location, Codington County, South Dakota. All but 40 under cultivation. Excellent pasture; 3 wells, good barn, small house. \$4,000. No trades, but sell on good terms. A. E. Haswell, Box 537, Waterloo, Iowa.

240 ACRES in the Kingdom of the Big Red Steer, 100 cultivated, 10 meadow, 180 pasture; good apple orchard and other fruit; frame 7-room house; good barn; living water; limestone soil; 1 mile to school; 5 to station; 15 to Emporia. Price \$5,200. Hurley & Jennings, Emporia, Kans.

WESTERN Kansas Land for sale. Good farms; wild lands at your own price. S. M. Armstrong, Abilene, Kans.

FOR SALE—80 acres Missouri land, \$250. Terms \$10 monthly; clear title. For description address W. B. Williams, Mt. Vernon, Ill.

Just the Place.

158 acres adjoining a good town in Anderson Co., Kans. All smooth second bottom land does not overflow, fenced with wire and hedge, about 30 acres tame grass, balance in cultivation. Good house of 6 rooms, good small barn, orchard, an abundance of well water, 200 yards to school. Just the farm for a hog raiser, shipper, dairyman, or any one who wants a good place to live close to town. Price \$45.00 per acre. Mansfield Bros., Garnett, Kans.

CHEAPEST THING OUT.

160 acres, 3 1/2 miles southwest of Buffalo. 100 acres in cultivation, balance in pasture and meadow; about 8 or 10 acres of timber in pasture. This is nearly all creek bottom land. Has good, 2-story, 7-room house with two porches and cellar; good 2-story barn, 20x50, room for 10 head of horses; a splendid shingle roof, double corn-crib, driveway between, which will hold 2,000 bushels of corn; smoke-house, chicken-house, cattle sheds; land well fenced with hedge and wire; small orchard; timber fenced hog tight; also other hog lots. This is one of the nicest homes in the country; has all the conveniences to make it pleasant; always has plenty of water and shade, and is in the gas and oil territory but is not leased. I consider this one of the best bargains in the country at \$40 per acre if taken at once. Address

C. R. CANTRALL, Fredonia, Kans.

MISCELLANEOUS.

FOR SALE—80 bbls. Hickory wood ashes, makes finest kind of fertilizer. Chas. Wolff Packing Co., Topeka, Kans.

HONEY FOR SALE—Extracted and put up in 60-pound cans at \$4.20 per can or \$3.25 per case of two cans. Quality. Light amber, from the apiaries of W. P. Morley, Las Animas, Colo.

BEAUTIFUL picture for framing, Steamer Lusitania, 700 ft.; Singer building, 41 stories. Both largest in the world. Send 10c. J. Wilson, 138 Liberty St., New York.

WANTED—Men to learn barber trade. Wonderful demand for barbers. Few weeks completes. \$12 to \$20 weekly paid graduates. Can earn expenses from start. Write nearest Branch, Moler System of Colleges, St. Louis or Kansas City, Mo.

STOCK FOOD AGENTS WANTED—Albert Cure & Son desire a good farmer or stock raiser in every vicinity to sell their Stock Powders, Veterinary Healing Powders (sample sent free) and Curozone Dip. If interested write for their terms. Address, Albert Cure & Son, Atchison, Kans.

WANTED—Alfalfa, clover, timothy, English blue grass and other grass seeds, also pop-corn. If any to offer, please correspond with us. The Barteldes Seed Co., Lawrence, Kans.

FOR SALE—A "Little Giant" (McCormick) shredder and husker; used two seasons; perfect repair; half price. Edwin Taylor, Edwardsville, Kans.

OLD ORCHARD rejuvenated (made young), production thrived in quality and quantity. Wonderful discovery. Stamp for particulars, etc. T. T. Higby, Sedro, Wash.

WANTED—By experienced agricultural college graduate, a position as manager of an up-to-date dairy farm. Preferably in Kansas or Colorado. E. E. Greenough, Manhattan, Kans.

RURAL BOOKS—Send for descriptive list of books for farmers, gardeners, florists, architects, stock raisers, fruit growers, artisans, housekeepers and sportsmen. Sent free. Address The Kansas Farmer Company, Topeka, Kans.

WANTED—A second-hand traction engine, not less than 18 horse power. Dr. W. D. Barker, Chanute, Kans.

Stray List

For week ending October 10

Kearney County—F. L. Pierce, Clerk. MARE—Taken up, August 28, 1907, by B. F. Glenn in Kendall tp., two gray mares, both branded X on left shoulder and (-) T bar T on left jaw; appraised value, one \$40, the other \$20.

Week ending October 17.

Jefferson County—Foy Welshaar, Clerk. STEER—Taken up by A. L. Brooke, Grantville Postoffice, September 24, 1907, one 3-year-old brindle steer; both ears cropped, cross brand on left hip, S brand on left shoulder.

Coffey County—W. M. Scott, Clerk. MARE—Taken up June 28, 1907, by A. H. Niver, 4 1/2 miles north and 1 west of Gridley, one bay mare, weight about 850 lbs., about 15 hands high, 6 or 7 years old, has strip in face, white hind feet to hocks, right front foot white to fetlock, P | M on left hip and shoulder, had on head-stall of halter; value \$25.

Leavenworth County—J. W. Niehaus, Clerk. SOW—Taken up by H. A. Naber, Fairmount tp., one black sow with end of left ear off, weight about 250 pounds; valued at \$15.

Wyandotte County—F. M. Holcomb, Clerk. STEER—Taken up, September 14, 1907, by Henry Pretz, in Argentine tp., one red steer, white head, dehorned, letters U W on left side, bar (-) under U, round ring on left hip, letters A N on right side; is about 3 years old; valued at \$30.

Kearney County—F. L. Pierce, Clerk. BULL—Taken up, October 1, 1907, by J. D. Boatright, in Lakin tp., one 2-year-old red bull, with white face; valued at \$12.

(Week ending October 24)

Stafford County—J. B. Kay, Clerk. CALVES—Taken up by H. A. Harrison, in Richmond tp. (P. O. St. John) two heifer calves about 6 months old, one red and white, and one red.

were generally 10c lower. The bulk sold at \$8.05@8.15 with tops making \$6.20. Offerings in the sheep and lamb line were moderate at this point, but there was a big run in sight at the five markets. Local offerings were largely made up of poor and half fat stuff on feeder order that met a slow demand at weak prices. The few fat offerings were quickly picked up at around steady figures. WARRICK.

REAL ESTATE

FOR SALE.

A choice quarter, good level wheat land, six and one-half miles from town at \$10 per acre. Will give time on part. R. B. Irwin, Modoc, Kans.

A BARGAIN—160 acres, Jackson County, light improvements, low price, easy terms. The Sheldon Realty Co., Topeka, Kans.

\$250 WILL BUY 80 acres; Christian County, South east Missouri. Perfect title; terms \$10 monthly. W. M. B. Williams, Mt. Vernon, Ill.

FOR SALE—Fruit lands, farms and timber. Stock do well in this section. German truck farmers can make big money. I can loan your money on good security. Campbell, P. O. Box 653, Van Buren, Ark.

FINE STOCK FARM FOR SALE

445 acres at a bargain on easy terms. Write for full description. D. P. Norton, Dunlap, Kans.

FOR SALE.

168 acres four and one-half miles from country seat, good buildings, 18 acres pasture, 6 acres alfalfa, hog-tight, balance in cultivation, one-half mile to school. Price \$6,400. Time on part. I have all kinds and sizes. A. S. Quisenberry, Marion, Kans.

MARSHALL COUNTY LAND BARGAINS 240 acres 5 miles out, improved, in cult., bal. timber and pasture price only \$35 per acre. Also \$2,000 hardware stock for sale at \$50 on the \$1 cash. A good general trade, stock in live town, doing good business; no old stock; want cash or good land. For particulars write E. J. McKee, Marysville, Kan.

WASHINGTON STATE.

Little Fruit Farms—\$5 down and \$5 per month per acre in famous Yakima valley—cultivated—Irrigated—planted and cared for. Send today for booklet. Oldest firm in state. Calhoun, Denny & Ewing, Inc. Dept. X, Seattle, U. S. A.

Washington County, Arkansas, Comprised a large part of the Ozark Fruit Belt and wants twice its population. Fayetteville, "The Athens of the Ozarks," the county seat and metropolis of Washington County, wants new business enterprises. A land of great opportunities for business man and farmer alike. Write for new descriptive and illustrated booklet. The Commercial League of Fayetteville, E. R. Wilson, Secretary, Fayetteville, Ark.

This tract of land contains 4,826 acres, and lays nine miles north of Dodge City, in the north part of Ford, and the south part of Hodgeman Counties. It is all fenced and cross-fenced; two good sets of improvements, consisting of dwellings, horse barns, cattle-sheds, granaries, etc., etc.; 175 acres now wheat and rye; 45 acres ready for spring crop; the remainder of the land all in natural grass. Three school houses adjacent to this land. This ranch is watered by several of the finest springs to be found in Western Kansas. Sawlog Creek runs through the land, and has in it pools of clear standing water the year round. All of this ranch is the very best of wheat land, and about 500 acres is splendid alfalfa land. We will sell this entire tract for \$10 per acre and carry \$4 per acre of the purchase price five years at 6 per cent, or will sell it in quarters, halves or sections, at a reasonable price and on same terms. This is one of the finest tracts of land in this part of the state, being surrounded by well improved wheat and alfalfa farms. Your last chance to buy this tract of land.

FRIZELL & ELY, Larned, Kans.

Home in Manhattan.

Best list of town and farm properties. A few good homes to exchange for outside land. A good livery business for land, will pay cash difference. A harness business for sale. We want three or four quarters of good bottom land, well located and improved for cash customers. Best banking references.

Manhattan Realty Co., Manhattan, Kans.

L. E. ANDERSON,

Real Estate, Loans and Insurance

Office over Shawnee State Bank.

Ind. Phone 1847. 800 N. Kansas Ave

170 acres Kaw bottom, extra fine improvements 5 1/2 miles of Topeka, 1/2 mile to school and railway station. Price for a few days, \$90 per acre. 160 acres Kaw bottom, 6 miles of Topeka, large barn, good 5-room house, all good land, no wash, 1/2 mile to railway station and school. Price \$75 per acre. This is a snap. 80 acres near Pauline, good improvements, 23 acres alfalfa, remainder in grass. Price \$5,000. 18 acres truck farm, above flood line, 2 1/2 miles of Topeka. Good house, good small barn. This can be had very cheap.

Farm Bargains

Good farms for sale in Wilson and Montgomery Counties, Kans. We have some real bargains. Write for particulars.

THE SOUTH EAST REALTY CO. Lafontaine, Kans.

Norton County Alfalfa and Corn Farms.

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PURE-BRED STOCK SALES.

Short-horns.
November 4.—Davies County Short-horn Breeders Association sale at Gallatin, Mo.
November 5.—E. D. Ludwig, Sabetha, Kans.
November 6 and 7.—Purdy Bros., Kansas City.
November 7.—Purdy Bros., Harris, Mo.; sale at Kansas City, Mo.
November 7.—O. P. Hendershot, Hebron, Neb., auction sale.
November 8.—M. C. Vansell, Muscotah, Kans.
November 8.—G. F. Hart, Sumnerfield, Kans.
November 17.—C. M. Garver, Abilene, Kans.
November 19.—F. Stodder and others, Burden, Kans.; sale at Wichita, Kans.
Herefords.
October 29.—Will H. Rhodes, Tampa, Kans.
November 12.—E. R. Morgan, Blue Rapids, Kans.
November 20.—A. Johnson and others, Clearwater, Kans.; sale at Wichita, Kans.
November 22.—C. A. Stannard, Emporia, Kan.
November 25.—C. A. Stannard and others, Kansas City, Mo.
November 25.—James A. Carpenter, Carbondale, Mo.
Poland-Chinas.
October 25.—W. J. Honeyman, Madison, Kans.
October 25.—H. G. Chapman, Dubois, Neb.
October 25.—H. B. Walter, Wayne, Kans.
October 25.—H. B. Hoffman, Reece, Kans.
October 25.—I. Boner, Lenora, Kans.
October 25.—B. F. Ishmael, Laredo, Mo.
October 25.—Howard Reed, Frankfort, Kans.
October 25.—Bollin & Aaron, Leavenworth, Kans.
October 25.—Leon Calhoun, Potter, Kans.
October 30.—The Big 3, Centerville, Kans.
October 31.—L. O. Caldwell, Moran, Kans.
October 31.—H. L. Faulkner, Jamesport, Mo.
October 31.—C. B. Weaver & Son, Wakefield, Kans.
November 1.—Harry E. Lunt, Burden, Kans.
November 2.—Thos. F. Walker, Alexandria, Neb.
November 4.—Charles F. Fisher, Glasco, Kans.
November 4.—C. S. Nevius, Chiles, Kans.
November 4.—Lemon Ford, Minneapolis, Kans.
November 5.—E. L. Calvin, Bolcourt, Kans.
November 6.—W. B. Crowther, Golden City, Mo.
November 7.—T. P. Sheehy, Hume, Mo.
November 8.—D. E. Crutcher, Drexel, Mo.
November 8.—H. H. Harshaw, Butler, Mo.
November 8.—U. S. Ison, Butler, Mo.
November 9.—H. H. Harshaw, Butler, Mo.
November 11.—Adams & Lorange, Moline, Kans.
November 12.—W. N. Messick & Son, Piedmont, Mo.
November 12.—I. E. Knox and Wm. Knox, Black-Okla.
November 13.—Geo. W. Morehead, Glen Elder, Mo.
November 13.—J. C. Larrimer, Wichita, Kans.
November 13.—W. H. Bullen, Bellville, Kans.
November 14.—C. W. Dingman, Cla. Center, Kans.
November 16.—C. G. Mills, Pleasant Hill, Mo.
November 18.—J. J. Ward, Belleville, Kans.
November 19.—A. & P. Schmits, Alma, Kans.
November 19.—C. E. Tennant, New Hampton, Mo.
November 20.—Bert Wise, Reserve, Kans.
November 20.—B. E. Maupin, Patonsburg, Mo.
November 20.—B. M. Buck, Eskridge, Kans.
November 21.—F. D. Fulkerson, Brimson, Mo.
November 21.—Everett Hayes, Hiawatha, Kans.
November 21.—O. B. Smith & Son, Cuba, Kans.
November 22.—C. E. Hedges, Garden City, Mo.
November 23.—F. Oreley, Orson, Mo.
November 26.—J. D. Spangler, Sharon, Kans.
November 23.—F. F. Obely, Oregon, Mo.
November 30.—Martin Lentz, Atherton, Mo.
November 4.—Geo. Null, Odessa, Mo.
December 16.—Colbert & Co., Fishmunga, Ind. Ter.
December 17.—B. H. Colbert & Co., Tishomingo, I. at Wichita, Kans.
January 10.—W. W. Winstate, Trenton, Mo.
January 13.—A. B. Garrison, Sumnerfield, Kans.
January 18.—M. Bradford & Son, Rosedale, Mo.
January 28.—H. B. Walters, Wayne, Kans.
January 29.—Dr. B. P. Smith and H. J. Beckley, Bonvale, Kans.
January 30.—H. K. Faulkner, Jamesport, Mo.
February 5.—C. E. Tennant, New Hampton, Mo.
February 6.—B. E. Maupin, Patonsburg, Mo.
February 7.—F. D. Fulkerson, Brimson, Mo.
February 8.—W. T. Hammond, Portis, Kans., at Manhattan, Kans.
February 8.—Thos. F. Walker, Alexandria, Neb.
February 15.—Charles Fisher, Glasco, Kans.
February 17.—C. M. Garver, Abilene, Kans.
February 18.—D. Arnold, Abilene, Kans.
February 26.—W. H. Bullen, Bellville, Kans.
February 28.—W. C. Topliff, Esbon, Kans.
Duroc-Jerseys.
October 30.—Rathbun & Rathbun, Downs, Kans.
October 30.—Grant Chapin, Manhattan, Kans.
October 31.—O. B. Sollenbarger, Downs, Kans.
October 31.—R. G. Sollenbarger, Woodston, Kans.
November 2.—Jos. Lynch, Independence, Mo.
November 5.—J. C. Logan, Haysville, Kans.
November 12.—John M. Morrison, College View, Mo.
November 13.—W. F. Hutchinson, Cleveland, Mo., Independence, Mo.
November 16.—U. S. Bryne, Agency, Mo.
November 26.—Geo. Hannon, Olathe, Kans.
November 28.—Marshall Bros. & Stodder, Burden, Mo.
January 21.—Jas. L. Cook, Marysville, Kans.
January 22.—Geo. Kerr, Sabetha, Kans.
January 22.—E. H. Erickson, Olsburg, Kans.
January 22.—Samuelson Bros., Bala, Kans., bred sow.
January 23.—Grant Chapin, Greene, Kans.
February 4.—Chester Thomas, Waterville, Kans.
February 5.—C. G. Steele, Barnes, Kans.
February 6.—J. F. Chandler, Frankfort, Kans.
February 7.—Joseph Reust, Frankfort, Kans.
February 8.—Sherman Reedy, Hanover, Kans.; bred sow.
February 11.—John M. Morrison, College View, Mo.
February 14.—John W. Taylor, Edwardsville, Kans., bred sow sale.
February 15.—John W. Jones & Son, Concordia, Kans., bred sow sale.
February 19.—T. P. Tesgard, Wayne, Kans.
February 20.—E. E. Axline and Knapp Bros., Independence, Mo.
February 27.—D. O. Bancroft, Downs, Kans.
February 28.—Rathbun & Rathbun, Downs, Kans.
February 28.—R. G. Sollenbarger, Woodston, Kans.
O. I. C.
November 2.—Alvey Bros., Argentine, Kans., at Independence, Mo.
January 8.—John Cramer, Beatrice, Neb.
Percherons.
November 8.—O. P. Hendershot, Hebron, Neb., Percheron brood mare sale.
December 3.—Percheron and other draft horses, Mason Wood Bros. & Kelly, Lincoln, Neb.
February 22.—D. E. Reber, Morrill, Kans.
February 18.—J. W. and J. C. Robison, Towanda, Kans.; sale at Wichita, Kans.
February 23.—R. J. Ream & Co., Kansas City, Mo.
March 12.—R. J. Ream & Co., Denver, Col.
Jacks and Jennets.
March 3.—Limestone Valley Jacks and Jennets M. Monsees & Sons Smithton, Mo.
Combination Sales.
December 8.—Galloway Assn., Kansas City.
January 8, 9, 10.—Breeders sale of Registered Draft horses and trotters at Bloomington, Ill.; C. W. Hurt, Manager, Arrowsmith, Ill.

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HORSES AND MULES

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'PEACHES AND CREAM' stallions and mares ARRIVED JULY and AUGUST by SPECIAL TRAIN.

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200 PERCHERONS BELGIANS, and COACHERS 200

two to six years old, weight 1,700 to 2,500 lbs. 90 per cent 'black boys,' 50 per cent ten stallions. All registered and approved. Mamma, Iams is a hot advertiser, but he has 'the goods.' He sells 'toppers' at \$1,000 and \$1,500 so good that they need not be 'peddled' or put on 'auction block' to be sold. He has on his 'selling clothes,' they fit all buyers. No man with money or bankable notes gets away from Iams. He buys, owns and sells more stallions than any man in U. S. Saves thousands of dollars to stallion buyers. He is not in the stallion trust. Iams places \$1,000 or \$1,500 insurance.



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Ikey! What a rich graft these 'slick stallion salesmen' are working on the honest farmer, selling fourth rate stallions at \$2,000 to \$5,000. Iams sells 'top notchers' so good, big and cheap, that they do not need to be peddled to be sold. Mr. Buyer, see Iams' stallions yourself. Take no 'gold brick' stallion salesman's word. Iams has 'the goods' you read about. His establishment is worth going 2,000 miles to see. Iams makes competitors 'holler.' He is knocking 'high prices' out of the Xmas tree. Iams says wood, 'hutte in,' sells more stallions each year. He makes every statement good. George, dear! buy a stallion of Iams. His \$1,200 stallions are much better than our neighbors paid those Ohio men \$4,000 for. Then I can wear diamonds. Iams speaks the languages, buys direct from breeders, pays no buyers, salesmen or interpreters, has no two to ten men as partners to divide profits with. Iams guarantees to sell a better stallion at \$1,000 to \$1,500 than are sold to stock companies for \$2,500 to \$5,000 by slick salesmen, or pay you \$500 for your trouble, you the judge. Iams pays horses' freight and buyer's fare; gives 60 per cent 'reading guarantee' Write for eye-opener and greatest horse catalogue on earth. References: St. Paul State Bank; Citizens National Bank.

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from 14 1/2 to 16 hands high, from 2 to 5 years and as good as grow. 10 PERCHERON, FRENCH DRAFT AND CLYDE STALLIONS from 2 to 5 years old weighing from 1,800 to 2,000 pounds, sound and of the right type, absolutely sound. Every animal I sell will be fully guaranteed just as represented. If you are in the market for anything I have it will pay you to visit my barns. Must sell this stock within the next thirty days. Come quick. O. P. HENDERSHOT HEBRON, NEBRASKA

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Shorty Orion 53343. The great winner of first in class at the Illinois State Fair, at the head of the herd. Fancy Top-notcher 40839, the first prize boar at the Kansas State Fair, 1906, sired by Kant-Be-Beat. Fancy Chief 24923 by Ohio Chief and Woodlawn Prince 53341, second prize boar in class Kansas State Fair. 125 pigs by these great sires from dams of equal breeding. Come and see them. Write us for prices.

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We are now offering 35 head of choice males, March and April farrow, sired by Chandler's Wonder, son of the great Nebraska Wonder; and other noted boars. Dams contain the blood of the leading strains. Write me your wants or come and see.

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Breeders of high-class, pure-bred Durocs. Leading strains of Duroc families represented in our herd. All correspondence given immediate attention; and young stock for sale at all times. See us at "American Royal."

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Write me for prices.

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Seventy-five head of well-bred, well-grown March and April pigs. A few one and two year old sows.—W. A. Wood, Elmdale, Kans.

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70 early pigs by Quality King 59831, Orion Boy 42137, and W's Top Notcher 59833. Also choice fall gilts at right prices.
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DUROCS; 100 early spring pigs, the best I ever raised. Improver, Top Notcher, Sensation and Gold Finch blood lines. Call or write
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For Sale—Boars ready for service sired by Wonder Lad 17259, carrying Ingomar 7897a blood. Choice boar pigs that trace to Long Wonder, to Ingomar, and to Duroc Challenger.
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Herd headed by Crimson Jim 47995 and Lincoln Top 55387, two of the best boars in Nebraska. A number of choice gilts for sale bred to these boars for fall farrow. These gilts are all out of my best sows and will be priced right.
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DUROC-JERSEYS

DUROC-JERSEYS

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70 early pigs by Quality King 59831, Orion Boy 42137, and W's Top Notcher 59833. Also some choice tried sows at farmers prices. Thos. Watkinson, Blaine, Kans.

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Headed by Neesho Chief 37151, one of the best grandsons of Ohio Chief. A fine lot of spring boars for sale reasonable.
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Some good young boars by Crimson Challenger 43377 for sale. No females or Red Polled Cattle for sale now.
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Choice fall boars by Orion Jr. 31497, and Ohio Chief 2d 41197. 50 spring boars, growthy, heavy bone, good feet, nice color; sired by the above named males, and E's Kan't Be Beat 37568, Crimson Chief 31283, Rose Top Notcher 64059, You Bet 31111, Tip Top Notcher 20729, and other noted sires. Sows of the best and leading families. Write or visit herd. Visitors met at trains.
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Composed of nothing but prize-winning blood. Pigs for sale of either sex.
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Herd headed by Lincoln Top 55237 and Ed's Improver 43637. A fine lot of pigs for sale sired by these grand sires, Kant Be Beat, Royal Ohio Chief, Lincoln Wonder, Lincoln Top, Arion and other great boars. Also a few good sows for fall farrow bred to Lincoln Top.
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Choice breeding stock; the best I ever raised. Fall and spring boars, fall and spring gilts, and tried sows, bred or open. Prices the lowest, quality and breeding the best. Herd headed by Eureka Tip Top 43641 sired by the great World's Fair grand champion Tip Top Notcher 20729 and Olathe Chief 61629 by Ohio Chief 3727, the world's champion. Write your wants or call and inspect my herd.
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Breeder of the Choicest and most Prolific Strains of
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Prize-winning blood, inspection invited, honest treatment insured
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I have several high-grade Lincoln rams for sale.
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Twenty-five males sired by Norton's Top Notcher 45115, he by Tip Top Nother, and other good boars and dams of popular strains. Prices reasonable.
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100 choice spring pigs, both sexes, by Chief and Prover, a son of Improver 2d and out of Kansas Wonder dame. Spring pigs, either sex, for 30c at \$15, \$18 and \$20. Only tops shipped on mail order. Write for description and prices.
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Show yard type Poland-Chinas, headed by Director Sunshine 101835. A few choice pigs for sale.
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Choice spring males at right prices, by G. Chief Masterpiece, Nonparell Choice Chief, 2d, and other noted sires. Call on or write
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Our Poland-Chinas are in breeding and individuality. Our prices are right. We respectfully invite correspondence with prospective buyers.
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10 heavy boned, stretchy fall boars, by Hadley Thompson's Choice; also gilts and tried sows bred to Impudence I know 45180, at right prices.
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A few thrifty young bulls and boars of the best breeding from champion and prize-winning families. Prices reasonable for quality sales.
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I have some tried sows bred to Speculator 43625 for October farrow.
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We have large growthy spring boars, with heavy bone and great size combined with quality. All gilts open or bred. Call on us and inspect our herd or write us your wants.
W. H. BULLEN & SON, Proprietors, 1 Mile Southeast of Belleville, Kans.

Clover Lawn Poland

My spring crop of pigs is coming nicely. Those who are interested in buying a good boar or gilt should write me or arrange to attend my sale, October 24, 1907.
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Home of Indiana 2d.

You all know the record of this great yearling boar. Come and see him and the many other sons and daughters of world and State Fair champions in our herd. PLACE TO GET HERD-HEADERS. TRY US. They have size, finish, easy feeding qualities with pedigree, the kind sought after by the farmer, breeder and showman. We price them right. Come or write us.
HOWARD REED, Frankfort, Kans.

East Creek Herd of Poland

Headed by STYLISH PERFECTION, grand winner of first in aged class and sweepstakes boar Nebraska State Fair 1906. Stylish Perfection is one of the greatest boars of the breed and won his honors upon merit alone and his get proves him to be a great sire as well as a great show animal. A few good spring boars and gilts sired by him for sale.
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McKeever & Sons

The home of the useful Poland-Chinas. Hubbell, - Nebraska
Litters by Expansion C, Expansion Grand Look and other big ones. Nothing but good ones sold on mail orders. Write us.



ALWAYS SHOWN AND ALWAYS WIN. First-class stock always for sale. Write or call on C. Dawson's Sons, Endicott, Jefferson Co., Neb.

MADURA DUROCS.

The home of Miller's Model, by Hunt's Model and Major Rosefelt a grandson of Ohio Chief; 100 fancy, growthy pigs; also bred sows and gilts for sale.
FRED J. MILLER, Wakefield, Kans.

DEEP CREEK DUROCS

Spring boars for sale grandsons of the great Hunt's Model 20177. Others sired by Lincoln Wonder, the \$2,000 hog.
Address C. O. Anderson, Manhattan, Kans.

Deer Creek Durocs

100 pigs of March and April farrow by sons of Ohio Chief, Top Notcher and Kant Be Beat. Ready for shipment after July 1.
Bert Finch, - Prairie View, Kans.

ATTENTION

Hog raisers of every kind. Had you forgotten that this is just the time to buy that male pig to head your herd? Well it is a fact and you had better get in line and come to the Rosebud and get something fine. Rosebud Stock Farm, Rathbun & Rathbun, Proprietors, Downs, Kans.

WESTLAWN DUROCS

Herd headed by Bobby S., a son of 2d. Gilmax, 1st prize boar at Missouri State Fair 1903. Stock always for sale. Choice fall boars and gilts. Also young Shorthorn bulls from heavy milking dams. Prices reasonable. E. B. Grant, R. 2, Emporia, Kans.

Elk Valley Durocs

Herd headed by Doty Boy 22779, a son of the champion Goldfinch and Dotie. My sows are by prize-winning boars. Choice pigs of both sexes for sale.
M. Wesley, - Bancroft, Kans.

CUMMINGS & SONS DUROCS

100 tippy pigs of early March farrow, by Lincoln Top, Junior Jim, Tip Top Notcher Jr, Kant's Model, Beautiful Joe and our herd boar OH HOW GOOD, second prize-winner at Nebraska State Fair. Sale in October; write or visit.
W. H. Cummings & Son, Tecumseh Neb.

GOLDEN HERD

DUROC-JERSEYS

Boars in service are Sons of Kant-be-beat, Ohio Chief, Tip Top Notcher, Proud Advance. All the famous strains represented. Choice gilts bred for fall farrow and some fall boars for sale. FALL SALE NOVEMBER 9th.
N. J. Fuller, - Garnett, Kans

Gold Dust Herd Durocs

One hundred fine spring pigs sired by boars that are bred right and out of sows purchased from the leading herds and carrying all the popular blood lines. Also a number of fall boars for sale. Write us for prices.
MINER & AITKEN, Tecumseh, - Nebraska

Staad's Durocs

Boars in service: Long Wonder 21567, the great thousand pound Nebraska State Fair winner; Nelson's Model 22956, first in class Nebraska State Fair, with over 60 in class, a great son of "Can't Be Beat," out of Top Notcher sow. Young boars for sale, by Long Wonder and Nelson's Model; also sows and gilts bred and open.
J. F. STAADT, - Ottawa, Kans.

Lamb's

HERD OF DUROCS is built along the most fashionable blood lines and is noted for the individuality of its make-up. 50 fine pigs sired by the great Hanley, Lincoln Top, Buddy L by Buddy K IV, Crimson Jim, Ambition and other great sires. We invite correspondence with prospective buyers.
Elmer Lamb, Tecumseh, Nebr.

Timber City Durocs

Fall and spring boars by You Bet 31111, Doty Wonder 41889, Geneva Chief 48049, Rose Top Notcher 54069, and others. Sows bred to the above boars for sale. Over 400 head in herd, write your wants.
SAMUELSON BROS., Bala, Kans. and Cleburn, Kans.

Elk Creek Durocs

One 2-year-old boar by Improver 2d and out of Nebraska Bell. Also one yearling boar by Old Surprise, (a son of prize-winners) at living prices. 160 pigs of early spring farrow by Kant Be Beats Best, and Bell's Chief 2d, ready for shipment after July 1.
J. E. JOINES, Clyde, Kans.