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Established 1863. \$1 a Year

## KANSAS FARMER.

Established in 1863.

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

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

**SUBSCRIPTION PRICE: \$1.00 A YEAR**

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

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Every advertiser will receive a copy of the paper free, during the publication of the advertisement. Address all communications to

KANSAS FARMER CO.,

116 West Sixth Ave., Topeka, Kans.

## Table of Contents

Abscess.....	1115
American Royal, the.....	1105
Answer to a woman's question (poem).....	1110
Appetising, something.....	1110
Baby? what exercise should we allow the.....	1110
Bog-spavin.....	1115
Boys, home training for.....	1110
Cholera, chicken.....	1116
Club department.....	1111
Cow, the dual-purpose.....	1115
Egg yield, breeding for greater.....	1116
Expect the best things.....	1110
Floods, the storage reservoirs as a preventive of.....	1101
Getting ready for winter (poem).....	1109
Grange department.....	1111
Hale's farm, a day at J. H.....	1102
Haymow, in the.....	1109
High bone spavin.....	1115
Hog-cholera, washed away the.....	1104
Indian tale, another.....	1109
International Stock Show, the.....	1104
Jefferson's ten rules.....	1109
Lame hock.....	1115
Lame sow.....	1115
Lucky, Dr. D. F.....	1104
Magic of a whistle, the (poem).....	1108
Milk-production, a Wisconsin bulletin on.....	1114
Moki, in the land of the.....	1108
Pickling, rules for.....	1110
Poultry, food for the.....	1116
Poultry notes.....	1116
Skinner, J. H.....	1104
Success—a sermonette.....	1108
Sweet potatoes will not cross-fertilize.....	1103
Swine plague.....	1115
Swollen sheath.....	1115
Texas or tick fever.....	1115
Three things.....	1109
Thumps.....	1115
Time economy.....	1110
When a feller's in trouble (poem).....	1108
West, what two great generals have said about the mighty.....	1109
What of the near future.....	1101

### BLOCKS OF TWO.

The regular subscription price for the KANSAS FARMER is one dollar a year. That it is worth the money is attested by the fact that thousands have for many years been paying the price and found it profitable. But the publishers have determined to make it possible to secure the paper at half price. While the subscription price will remain at one dollar a year, every

old subscriber is authorized to send his own renewal for one year and one new subscription for one year with one dollar to pay for both. In like manner two new subscribers will be entered, both for one year, for one dollar. Address, Kansas Farmer Company, Topeka, Kan.

The quality and magnitude of the American Royal of 1903 was such that it would be difficult for any reader to thoroughly appreciate and digest the report of it, as he would like to do, if it were all contained in one number of the KANSAS FARMER. Therefore the report of the pure-bred sales and of the awards in the feeding and car-lot classes has been held over until next week. KANSAS FARMER readers will probably agree that the present number will make a pretty full meal of mighty nutritious mental food.

### WHAT OF THE NEAR FUTURE?

Uncertainties as to future courses of values of property affect the advisability of all investments and sales. For several years the tendency of prices has been upwards. This has made every judicious investment profitable. It has likewise made credits easy, and debt comparatively safe. The turn of the tide and the recession of values, when they come, will certainly produce conditions the reverse of those lately experienced. Falling prices are liable to make the best investments unprofitable, to make credits hard, and debt destructive of prosperity.

Predictions of a turn to lower prices have been uttered frequently during the last twelve months. In the market for corporate shares and bonds the turn has been realized. This is especially noticeable in the instance of some of the trust stocks. These, however, have proven to be, so far as their conditions have been disclosed by court proceedings, stocks issued far in excess of real values represented. Not only this, but the stocks have been given fictitious prices by all of the old tricks of the trade and some new ones invented for the purpose of inducing investors to buy the holdings of certain of the promoters. The lowering of these unnatural prices may make poor some people who thought they were rich, but they have no necessary connection with prices of lands or live stock or of any substantial property.

But there is in the air a sort of uneasiness, or feeling of uncertainty about the financial future which makes it worth while to pause and inquire whether there are indications of a financial storm.

The timid point to the shutting down of some manufacturing concerns in the East, to the suspension of great operations in the lake region, to the closing of the copper industry in Montana, and to the labor strikes now in progress in various parts of the country as indications and contributory causes of a reversal of the wheels of prosperity. To this list may be added the fact that some of the newspaper organs of the great combines are charging that President Roosevelt, in his resolute efforts to enforce the anti-trust laws, has turned the tide of prosperity.

Possibly the suspensions of indus-

tries in the East may have for their object the creation of an artificial shortage of particular products for the purpose of enhancing prices, much as was done by the coal combine for the same purpose. Some of the other great suspensions, as that of the Montana copper industries, result from the contentions of rival interests in their ownership. In these industries in which much capital is concentrated under one management there is apt to result a contest for the control. The profits of this control are such that rivals become desperate and may even prefer to wreck the property rather than see it pass to the management of the opposition. Such contention as that now in progress in Montana, which is reported to have thrown 20,000 men out of work, is destructive of local prosperity and doubtless has some influence against the progress of the entire country. Should it become a fad to shut down industries on account of the financial wars of factional owners, much harm might result, but so long as these tactics are confined so as to affect comparatively few persons, their influence on general prosperity may be disregarded.

The matter of labor disturbances is a more serious one. A considerable portion of the wage laborers of the country are organized into unions under national managements. These are again federated, so that the organization is actuated by simultaneous purposes. The most obvious purposes of this elaborate organization are to secure good wages, good treatment, and short hours. When advances in wages or shorter hours are demanded and refused the final remedy of the organization is to strike. Experience has shown that the disposition to strike is liable to sweep over the country, affecting those who have no grievance as well as others. It is this fact which alarms those in charge of industries when strikes are declared in considerable numbers.

Fundamentally the contention of labor is for a larger share of the proceeds of the industries in which labor and capital are engaged. Labor has little opportunity to know how far its demands may be pushed without consuming the profits and more. There are labor leaders who care nothing about this if only greater exactions can be enforced. The most alarming feature of the present situation is the apparently well grounded fear that the strike will become a fad, causing the suspension of much of the productive industry of the country and bringing enforced idleness and distress, with corresponding reduction of consuming power. If wiser counsels shall prevail so that industry may continue active there should be no cessation of the prosperity which has gladdened the country.

It will be wise, however, for every one who has the responsibility of directing affairs, either large or small, to keep a watchful eye on the developments of the next few months. This is a time when to be safe is to be out of debt. The farmer who produces staple articles of food supply has the world for his market. He should be the last and least affected by adverse changes. But while the farmer will

do well to go on producing, being assured of a market, he will do well to avoid speculative ventures.

### THE STORAGE RESERVOIR AS A PREVENTIVE OF FLOODS.

Speaking of the plan of preventing floods by storing the excess before it reaches the streams which do the damage, the Scientific American—an acknowledged good authority—says:

"As a case in point we might mention the turbulent Passaic River, which has played such havoc upon that twice-stricken town of Passaic, N. J. Here is a case where the loss of several lives and several million dollars has twice occurred within a few months, because of the inability of the river to carry off the surplus waters of a heavy rainfall. The magnitude of the recent precipitation, when in the course of two days there was a fall of 10½ inches of water, proves that in a case like this the only possible method of control would be the temporary storage of the excess waters during the rainstorm, and their subsequent gradual release into the ordinary river channel. In commenting on the possibilities of such control, our contemporary, the Passaic Daily News, quotes from the report of C. C. Vermeule, of the New Jersey State Geological Survey. The report, which was called for by the State after the disastrous flood of last year, proposes to create storage reservoirs converting certain flats in the Passaic Valley into artificial lakes. This remedy would be a sanitary measure; would serve the purpose of draining these flats; would render heavy freshets harmless; and would have the great advantage of maintaining the normal flow of the river at four times its ordinary amount. At the same time the provision of these reservoirs would mitigate the sewage evil, keeping the river well flushed, while incidentally it would afford at Little Falls and Passaic an extra provision of over 10,000 continuous hydraulic horse power. Consequently, not only would the city be safeguarded against the recurrence of these most disastrous floods, but the very works by which this security was obtained would prove a valuable asset to the city as a source of light and power. On the face of it, the report calls for the most serious consideration on the part of the authorities, and if the proposal is carried through, its operation will be watched with close interest in other communities that are subjected to similar disastrous overflows."

This plan is in every way as applicable on the prairies of Kansas as on the Passaic Flats. In addition to the advantages enumerated for the reservoir system for the control of floods along the Passaic River, the western prairies would be able to use the storage water to increase the production of food supplies for the Nation.

The one vital objection to the plan of control by many small reservoirs, an objection not publicly stated by those in whose minds it is most influential, is that it has little "life" in it. Now "life" in a public enterprise is measured by the number and extent of the fat jobs which can be controlled by promoters and advocates of proposed works. The plan of preventing



floods by impounding the water in small reservoirs near where it falls has very few attractions of this kind. The engineering part of the work would be simple and would probably be executed under the direction of the Hydrographic Division of the U. S. Geological Survey. This division is managed by a man whose honesty and views of the proper use of public funds are "painful" in the estimation of the grafter. On the other hand, the plan of building great embankments under extreme difficulties and of deepening and straightening great rivers appeals powerfully to the imagination of the promoter as presenting many and great opportunities for the employment of "talent."

Water properly impounded on the prairies is safe from doing damage to property at any of the many points it would otherwise pass on its journey of thousands of miles to the Gulf.

#### Coming Events.

Will secretaries, or those having the management of coming events, oblige the Kansas Farmer by sending dates? The Shawnee County Horticultural Society, Thursday afternoon, November 5, at the Horticultural rooms, State House, Topeka.

Indian Creek (north Shawnee County), Farmers' Institute, November 5, 6.  
National Grange, Rochester, N. Y., November 11-19, 1903, Secretary, C. M. Freeman, 514 F St., Washington, D. C.  
International Live-stock Exposition, Chicago, November 28-December 5, W. E. Skinner, General Manager.  
Mission Center Farmers' Institute, Shawnee County, December 1-2, 1903; Emma W. Wallace, Secretary, Station B, Topeka.

Kansas State Grange, Arkansas City, December 8, 9, Geo. Black, Olathe, Secretary.  
Missouri State Dairy Association, Clinton, Mo., December 8-10, E. C. Eckles, Columbia, Secretary.

Missouri State Horticultural Society, Columbus, Mo., December 8-10, L. A. Goodman, Kansas City, Secretary.  
Fourteenth annual meeting Kansas Improved Stock-breeders' Association, Topeka, January 11-13; H. A. Heath, Secretary.

National Live-stock Association, Portland, Ore., January 11-14, 1904, Chas. Martin, Denver, Colo., secretary.  
Thirty-third annual meeting State Board of Agriculture, Topeka, January 13-15; R. D. Coburn, Secretary.  
Kansas Mid-winter Exposition, Topeka, January 19-31, 1904.

#### Indian Creek Farmers' Institute.

Thursday evening, November 5, 7:30 o'clock:  
"Small Fruit for Home Use"—J. F. Cecil.  
"Should the Farmer Raise Fruit Commercially?"—L. P. Stock.  
"Peaches"—C. J. Nauman.  
Friday morning, November 6, 9:30 o'clock:  
"Food and Care of the Dairy Cow"—Prof. Oscar Erf, Agricultural College.  
"The Relation of the Creamery to Its Patrons"—J. E. Nissley.  
Dinner, 12 o'clock.  
Afternoon session, 1:30 o'clock.  
An address by Prof. Mayo, Agricultural College.  
"Movements of Our Times"—E. B. Cowgill.  
"Grasses"—General discussion.  
Evening session, 7:30 o'clock.  
"English Literature in Our Schools"—H. G. Larimer.  
"The School a Social Culture Center"—County Superintendent Wright.  
Music will be furnished for each session. We extend a cordial invitation to one and

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all to come and meet with us. Be present at the first session on Thursday evening; also be on hand Friday morning. Bring your dinner and be prepared to stay all day. Mrs. J. M. Pollom, secretary.

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Topeka Semi-weekly Capital and Kansas Farmer for one year, only \$1.25.

A man does not necessarily have to be a lawyer to have good hard sense.

## Horticulture.

#### A Day at J. H. Hale's Farm.

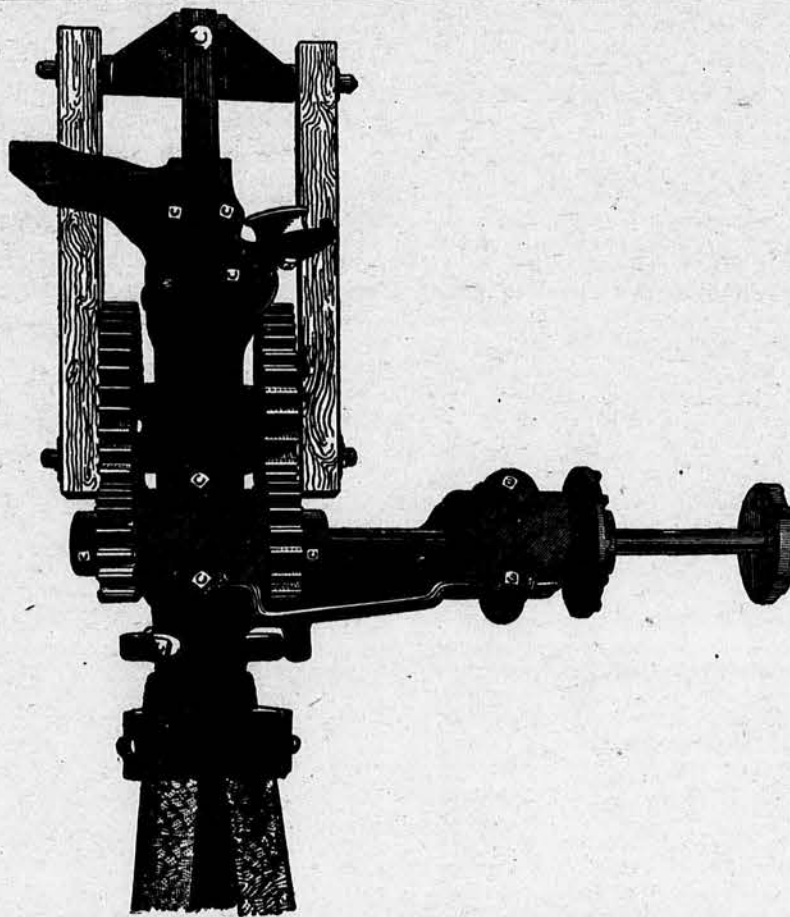
J. M. IRWIN, IN WESTERN FRUIT-GROWER.

Mr. Hale grows great quantities of strawberry plants for the trade. These fields were in most excellent shape, clean and free from rust of any kind. Not all the sorts which have been introduced are found here, for Mr. Hale carefully discards those which do not show up well, and confines his list to perhaps thirty of the very best sorts. And he looks after these carefully, to bring them to their best possible development. He will

The plants are therefore restricted, and form great strong crowns. The soil is kept constantly stirred and as clean as a floor, and next spring there will be bushels of fine berries on this small plot. All who come can, therefore, compare these forty varieties of berries, which comprise the best that have been tested on my farm. This plot is only a test plot, as you see, for the benefit of our friends, but I believe that strawberries can be grown on a commercial scale in this way, and profitably, too. There are many advantages in the plan, and if I were not so very busy in spring I might try it—I may do so, anyway, some time.

This, we believe, is the prettiest strawberry bed we have ever seen, and if Connecticut were not so far away we would be tempted to make a trip next spring to see the bed in full fruiting.

But this isn't where Mr. Hale makes his money—this is his pleasure field, as it were. He grows Japan plums, which have been profitable, but of late many trees have died from cold winters, etc., and they are being replaced



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have lots of plants for next spring, and they will all be of most excellent quality. We were much interested in a test plot of about forty varieties, which has been planted for the benefit of those who visit the place in fruiting season next spring. This plot has been planted to show the comparative value of different sorts, grown under the same conditions, and will be of much interest to those who are fortunate enough to visit the place next spring during berry season.

"I want to call your attention to this plot," said Mr. Hale, "for I believe it is possible to grow strawberries in this way on a commercial scale. In fact, my boys have been urging me to put out a patch to grow berries for market, and plant them in just this manner. We have forty varieties here, you will note. There are six plants to the row, and we have two rows of each variety. You will note the bed is therefore long and narrow, about six feet wide and eighty feet long, with the short rows running across the bed. Now, these plants, twelve inches apart each way, 42,000 to the acre, were put out about the first of August, after the soil had been thoroughly prepared. They are planted a foot apart in the row, and the rows are a foot apart. This seems close, but you will note that not a runner is allowed to form, all being clipped off as soon as they appear.

with peach and apple-trees. Mr. Hale has heretofore planted largely of peaches and Japan plums, but now is planting a great many apple-trees, believing that as fine apples can be produced on his hillsides as can be grown anywhere.

Driving back over a peach orchard Mr. Hale told us of an experiment he had conducted during the past season. "Not an experiment, either," he added, "but a demonstration. I knew very well, at the start, what the result would be, but I tried the plan simply to show others what results would follow."

Mr. Hale then explained that he had always contended that the plan of mulching trees, instead of cultivating them, is not to be recommended for general adoption. To show the comparative results, he had plowed part of a peach orchard and mulched another portion.

"The test which I have made is not as severe a one as could be made, either," said Mr. Hale, "for I did not give thorough cultivation over the part which was cultivated. I cultivated every alternate space between the tree rows, so that only one side of each tree was cultivated. On the mulched portion the clover was allowed to lie. I have tried the plan as best I knew how, except as I say, that the cultivated trees were cultivated on only one side, and yet I will leave it



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to any one to see the difference in the trees. Any one can see, too, the row where the mulched portion ends and the cultivated portion begins."

And this was true. Those trees which were mulched had made a good growth, and many persons would have been satisfied with it, had it not been that alongside are other trees which have been cultivated, and which made a much better growth. And the foliage on the mulched trees was a different color from the trees which were cultivated. Leaves were not so large, and were of a paler color. It was an easy matter to trace the cultivated section across the orchard by the difference in the appearance of the trees. Mr. Hale said he does not believe in mulching trees. He believes in cultivation, and thorough cultivation at that.

"But suppose you have an orchard on a hillside, where the soil will wash badly. What will you do then?" we asked.

"Well, my treatment of an orchard like that will be something like that given that part of this orchard which was cultivated this season. In this peach orchard, for instance, I have cultivated every alternate section between tree rows. The strip not cultivated was left in crimson clover. The cultivator was kept going in the other section until first of August, then the clover was cut in the mulched section, and we ran a harrow across the orchard, dragging in the closer seed which had ripened on the uncultivated section over to the plowed soil, thus seeding it to clover. Now we have a good stand which will be a foot high before winter, and which will grow all winter long when ground is not frozen. Now, if my soil were inclined to wash badly, I would seed the space between two rows to clover. Then I would cultivate the next section, seed the next, and so on, alternating the seeded section with the cultivated sections across the orchard. In this way one side of each

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tree in the orchard would be cultivated this season. Next year I would cultivate the sections which were seeded to clover this year, and seed to clover those which were cultivated this season. By handling an orchard in this way there would be little danger of washing of soil, and while it would not be thorough cultivation, it would be the next best thing, and would work fairly well."

"You use crimson clover for this purpose, do you, Mr. Hale?" was asked.

"I do in this section," he replied. "It makes a quick growth, grows late and starts early, and is well adapted to this purpose. Red clover is good, but is slower; Mammoth clover is best where the crimson can not be grown. But clover of some variety is a great thing. It loosens the soil, adds humus and nitrogen to the soil, and is a great thing for the farmers. Cow-peas are best for Southern sections, and we grow 1,200 to 1,500 acres annually in our Georgia orchards, and a hundred acres or so in Connecticut; my best fields of strawberries always follow cow-peas."

And that is what Mr. Hale thinks of cultivation, and that is how he would meet the problem which confronts our Western growers whose orchards are planted on hillsides, and who have hesitated to cultivate their soil, fearing it would wash away.

Mr. Hale showed us another part of this same orchard which was an object lesson along another line. This part was a fourteen-year-old peach orchard which had come into his possession several years ago. The pruning of this orchard in its early years had been of the "shearing-up" brand, rather than the cutting back which is now recognized as the best treatment of an orchard of this kind. By this we mean, that the lower limbs had been trimmed up, thus forcing the new growth at the ends of the branches, removing the new, or bearing wood, farther and farther from the trunk of the tree. As a consequence the trees were high, with long limbs bare at the base, with all the fruit-bearing wood high in the air and far removed from the trunk.

Now, this is not Mr. Hale's plan of growing fruit. The trees were old, but he decided to "make them over," much as the frugal mother transforms a pair of her husband's trousers into a new pair for the younger son. While the trees were dormant in winter, great limbs were cut off, leaving stubs several feet long. On each tree perhaps two or three of the more vigorous limbs were left, with all their foliage, "to pump sap," as Mr. Hale explained. The next season, on the stub limbs which had been left, dormant buds sprang into life and sent forth new shoots which made a good growth. The next season these shoots grew at a remarkable rate, and most of the tree had been "made over." Now the limbs which had been left can be removed if desired, and the new growth will be more vigorous, closer to the ground and the tree will be better in every way.

Part of the orchard was left unpruned, and the trees continued in the way they had been growing. That is, they continued to make new growth at the ends of the limbs, leaving the lower portions of the limbs bare. What fruit is borne is far from the ground, and is hard to get at picking time. The trees which were pruned and those which were not pruned are on an average the same age, they are the same varieties, planted on the same soil. And yet one visiting the orchard would hardly believe this, unless he were told the story of their treatment as explained by Mr. Hale. The trees which were not pruned are on an average six to eight feet higher than the trees which were headed back. Every bit of bearing wood on the unpruned trees is at the top of the limbs, and when a crop is borne most of the peaches will have little sunshine, on account of the thick growth at the top of the trees having shut off the light. The trunks of the unpruned trees look black and dry, showing a lack of vigor and thriftiness. The leaves are small, and look poorly fed. The pruned trees, just alongside,

look ten years younger than the others which were not cut back. The bark is green and bright, the new growth has been remarkable, and the leaves are large and of a rich dark green color. It should be said here that this season there were many more peaches on the unpruned trees than on those which had been "born again," and some persons have taken much pleasure in calling Mr. Hale's attention to what they considered a weak place in his treatment. But this gentleman was not treating his trees for one crop, but for a series of crops. And the quantity of fruit-buds for next year's crop on the headed-back trees is much greater than on the unpruned.

"There will be more peaches on these lower trees next year," said Mr. Hale, "and they will be larger, of better quality and of better color, because of the fact that the trees are more vigorous, and the sunshine will get to all the fruit. I will have bushels on these pruned trees where there are pecks on those not so treated, yet I will pick this quantity of fruit at less expense than the smaller quantity can be picked from the tops of those high, angular trees, and the net earnings will be many times greater from the pruned trees."

Now, we know that our curious readers want to know why he didn't cut back all the trees. But that is another story. They will be cut back a year from this coming winter, when the trees are sixteen years old, and Mr. Hale has promised to get a series of photographs of the orchard before pruning, after the trees have been cut back, and then again when the new heads have been formed.

Mr. Hale showed us a new peach orchard, planted on the rocky hillside, where it costs four to five times as much to clear the land and remove a part of the stones as the land originally had cost. Noting that some of the trees were quite small, we asked him if it were not true that he preferred large peach-trees for planting, as had been claimed.

"Yes, I do prefer large trees," replied Mr. Hale, "but these were the only trees I had of this particular variety, so I planted them. As a general proposition I want a large peach tree, and plant lots of them six and eight feet high, and get remarkably fine orchard-trees. I used to try to make myself believe I wanted small trees, but my experience has shown me that I do not. I want good big ones. I cut the top off at a height of eighteen inches or two feet, and remove the side branches. Adventitious

buds will then put forth and make a good top for the tree. If only one bud puts forth, it is apt to discourage the planter, but it should be allowed to grow. Then the next season cut it back, leaving only three or four buds on it, and it will put forth shoots which will make a fine top for the low-headed tree. Yes, I want big peach-trees, and know they are the best for the general planter."

Mr. Hale showed us another young peach orchard, in which he has planted apple-trees—or perhaps we should say a young apple orchard in which he has inter-planted peach-trees. Here was a plan practiced by this progressive fruit-grower which has been condemned for many years by all our horticultural societies. It looked as though Mr. Hale was not orthodox, to say the least.

"Yes, I know this plan is condemned," said he, "and under ordinary conditions the plan is not to be recommended. But I am planting here an orchard of apple-trees which I expect to live for many years. I have put the trees thirty-six feet apart each way, leaving room for the trees to expand through the years. And to occupy the soil during the early years of this apple orchard I have planted peach-trees between the rows and between the trees in the rows. I will have nerve enough to cut them out—I know I will, for I have practiced exercising my nerve in thinning peaches, you know. When the peach-trees begin to crowd, they will come out, but I will get some good crops of fruit before they are removed, and the apple-trees will not be allowed to suffer."

Mr. Hale was asked if he expects to grow apples to any great extent, and he said that he did; that until the last six years he has not planted apple-trees, confining his planting to peaches and plums. But he now believes there is a market for good apples, and he is convinced that he can grow as fine apples on his farm as can be produced anywhere. He now has a large orchard of 8,000 trees several miles from his home, and is planting a new orchard at his home place. It is likely, therefore, that in a few years Hale's apples will be as well known in the markets of the East as his peaches are to-day.

As to varieties, Mr. Hale said he would grow Baldwin, Rhode Island Greening, Sutton Beauty, Rome Beauty and McIntosh; a very few Ben Davis, too, he said, not for profit, but as a warning to others—for Mr. Hale, you know, is not a Ben Davis man.

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**At \$4.95**

we sell a fine dark olive colored Glendore Mills Melton Overcoat, 48 inches long, loose fitting box back; Italian cloth lining and rich velvet collar; sizes 34 to 44.

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"I want to grow good apples," he said, "and I feel sure of being able to market them to advantage. I want to use a smaller package than the barrel, for I don't believe it is the package for fancy fruit. The package which is best to use for apples is the largest package which you can get from the grower to the consumer without the package ever being opened. I mean by this that for fancy fruit the package should not be opened nor the fruit handled from the time it leaves the grower until it is opened in the home of the consumer. With some customers a bushel box will be the ideal package, but with others it will be necessary to pack the apples in some package like the 15- or 20-pound grape basket, for instance. Then the grower will put in the basket or box only sound, first-class fruit, the buyer will be willing to pay a good price for the fruit, it will be worth the money, and the consumption of fruit will be greatly increased. First-class fruit in a handy family package is what is now wanted in the apple business."

**Sweet Potatoes Will Not Cross Fertilize.**

EDITOR KANSAS FARMER:—Will sweet potatoes cross or mix if planted close together?  
WILKIE BLAIR.

Crawford County.

There is no probability of different varieties of sweet potatoes "crossing or mixing" in the rows unless due to carelessness in handling the plants before setting. Crossing is due to the fertilization of the pistil of one plant by the pollen of another plant, and sweet potatoes being propagated by sets or plants obtained from the roots and not from seed, no fear of crossing need be entertained. The sweet potato rarely blossoms when grown in a commercial way and varieties may be planted in adjoining rows. There may be some variation in the roots, such as difference in color or shape, but this is probably a variation similar to the bud-variation of stems and leaves. It is not a common occurrence.

ALBERT DICKENS, Horticulturist.  
Kansas Experiment Station.

Everything which depresses or arouses violent passions is a waster of mental force. Every time a wrong thought is indulged there is a waste of mental energy, of achievement-power. All wrong thinking is negative, and the mind can only create when it is positive and affirmative.—O. S. Marden, in Success.



## The Stock Interest.

### THOROUGHbred STOCK SALES.

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

October 30, 1903—Combination sale of Poland-Chinas, Clay Center, Kans. J. R. Johnson, manager.  
November 3, 1903—O. B. Smith & Son, Cuba, Kans., Poland-Chinas.  
November 8, 1903—Aberdeen-Angus at South Omaha. Chas. Kocher, Jr., Manager.  
November 9, 1903—Cooper County Shorthorn Breeders' Association sale at Buncetan, Mo. W. H. H. Stephens, Secretary.  
November 10, 1903—D. A. Kramer, Washington, Kans., Poland-Chinas.  
November 10-11, 1903—Marshall County Hereford breeders' annual sale at Blue Rapids, Kans.  
November 11, 1903—David Cook, Washington, Kans., Poland-Chinas.  
November 12, 1903—Purdy Bros., Harris, Mo., Shorthorns.  
November 12, 1903—W. B. Van Horn, Lone Star (Douglas Co.), Kans., Poland-Chinas.  
November 13, 1903—Central Missouri Hereford Breeders' Association, annual sale; S. L. Brock, Macon, Mo., Secretary.  
November 17 and 18, 1903—Armour-Funkhouser, Herefords, at Kansas City, Mo.  
November 18, 1903—A. G. Lamb, Eldorado, Kans., Poland-Chinas.  
November 19, 1903—J. F. True & Son, Blackwell, Okla., Shorthorns.  
November 21, 1903—Henry W. Kuper and W. D. Elmore, Humboldt, Nebr., Shorthorns.  
November 27, 1903—Scotch topped Shorthorns, A. B. & F. A. Heath, Republican City, Neb.  
December 2, 1903—Geo. W. Null, Odessa, Mo., Poland-Chinas.  
December 2, 1903—American Galloway Breeders' Association sale, at International Exposition, Chicago.  
December 3, 1903—100 head of Herefords, at Chicago, Ill. O. R. Thomas, Secretary.  
December 4, 1903—American Aberdeen-Angus Breeders' Association sale at Chicago. W. C. McGavock, Mt. Pleasant, Ill., manager.  
December 9, 1903—Combination sale of Poland-Chinas at McPherson, Kans. M. O. Kilmer, M'gr.  
December 10-11, 1903—Hereford cattle and Berkshire swine, Sunny Slope Farm, Emporia, Kans., C. A. Stannard, owner.  
December 11, 1903—J. R. Young, Richards, Mo., Poland-Chinas.  
December 15, 1903—Harry E. Lunt, Burden, Kans., Poland-Chinas.  
December 18, 1903—Plainville Breeders' Association combination sale of cattle and swine, Plainville, Kans.  
February 1, 1904—Poland-Chinas, Thompson Bros., Marysville, Kans.  
February 2 to 5, 1904—Percherons, Shorthorns, Herefords, and Poland-Chinas, at Wichita, Kans., J. C. Robison, Towanda, Kans., Manager.  
February 2, 1904—Duroc-Jersey swine at Humboldt, Neb. Wm. Brandow, Manager.  
February 2 and 3, 1904—Benton Gabbert and others, Herefords, at Kansas City, Mo.  
February 3, 1904—Jno. O. Hunt, Maryville, Kans., Duroc-Jersey swine.  
February 4, 1904—C. E. Pratt, Frankfort, Kans., Duroc-Jersey swine.  
February 5, 1904—J. B. Davis Fairview Kans. Duroc-Jersey swine.  
February 23, 1904—Duroc-Jerseys, A. F. Johnson, Osceola, Neb.  
February 24, 1904—Duroc-Jerseys, E. J. Brown, Osceola, Neb.  
February 25, 1904—Duroc-Jerseys, Nels. Holm, Osceola, Neb.  
February 26, 1904—Duroc-Jerseys, C. G. Johnson, Osceola, Neb.  
March 1, 1904—L. M. Monsees & Sons, Smithton Mo., Jacks, saddle and roadster horses.  
March 8, 1904—F. M. Gifford, Manhattan, Kans., Shorthorns.

### Washed Away the Hog-Cholera.

DR. D. F. LUCKY, STATE VETERINARIAN OF MISSOURI.

I can recall no period in my experience in which the disease [hog-cholera] was more general. During the spring I received reports from every section of the State to the effect that hog-cholera was raging. I received reports from every county.

The disease was in its most virulent form, and most of the cases were practically incurable. I believed as I always had, that the epidemic was largely exaggerated by neglect of sanitary precautions.

Very few hog-breeders apparently realize the importance of this. I have known the most experienced farmers to allow the bodies of animals that have died of disease to be thrown into adjacent creeks or streams. Such carelessness is positively suicidal on the part of hog-breeders. There is nothing more calculated to spread the epidemic.

The bodies are carried down the streams and the water is so polluted that other hogs drinking it are almost sure to be contaminated. A little more precaution in this matter will save thousands of dollars. The sanitary regulations are among the first points to be considered in exterminating the disease. These precautions had been so neglected that the epidemic this year appeared in its worst form. This was prior to the June flood, which caused so much loss of life and property.

After the floods the epidemic suddenly disappeared. Reports from all counties verified this. The fact was unaccountable, and I instituted a thorough investigation to find some reason for the phenomenon. There were no reasons. The disease had simply vanished, and I was obliged to draw conclusions as best I could.

After giving the matter due consideration, I am prepared to state for publication that the floods literally

washed away the hog-cholera. I expect this to be contradicted. It hardly seems scientific in making such a statement that I should be unable to state causes to back me. I can not do so, however, and will simply say that, remarkable as it is, the floods are entirely accountable for the eradication of the disease.

Hog-cholera should not be confounded with verminous pneumonia, as the symptoms of the two diseases are very similar. Pneumonia is just as deadly as hog-cholera, but is not contagious. It is an infectious disease and often attacks whole herds at the same time, and for this reason is commonly supposed to be contagious.

Pneumonia is caused by small insect eggs in corn or other grain, which is fed to the hogs. The eggs are hatched by the heat of the blood, and the larvae crawl into the lungs of the animal, causing great suffering and death in a few days. When first attacked, the hog loses its appetite, is prostrated and shows every indication of intense suffering. The development of the disease is very rapid and is almost incurable.

Last winter this disease attacked many herds in Missouri, and caused great loss to the farmers. It defied the best veterinary skill, and a case once well developed was practically hopeless. I believe that this epidemic also prevailed in Missouri at the time of the flood and the germs were washed away entirely.

I do not wish the importance of these statements to be overestimated. I simply give them for what they should be worth to farmers. Nothing similar has ever been known in Missouri.

The fact should at least emphasize the importance of sanitary precautions over all other considerations in the question of "eradication of hog-cholera."

I should add, of course, that there are a few remote cases of the disease in Missouri, but information recently received confirms the previous reports that it has been practically eradicated.

### The International Stock Show.

EDITOR KANSAS FARMER:—To those interested in agriculture, it must be apparent that the live-stock interests of our country are rapidly developing into enormous proportions. Each year the live-stock interests become more important. The large and rapidly increasing city population of this country demands a large supply of meat each year, and farmers are coming to realize the importance of live stock as never before. Small farmers are breeding and feeding more animals, and everywhere we see manifest interest taken in this important branch of agriculture. In our agricultural schools young men are eager to study live stock with untiring interest. The State Live-stock Association meetings and short courses in stock-judging at the various agricultural schools are well patronized, and only go to show the attention that farmers are giving to this subject.

Several factors figure prominently in the advancement and improvement shown along this line. Through our county and State fairs, and larger expositions, farmers are coming to recognize the difference between superior and inferior animals. The agricultural press has come to be a mighty potent agent in the work of education. Farmers and stockmen, particularly, read and study. The agricultural colleges and experiment stations are putting much important information into the hands of those interested in live-stock work. American farmers are coming to recognize the value of improved blood in herd, flock, and stud. Breeders are breeding better, feeders are feeding better, and marked improvement is seen on every hand.

Among the various forces which are at work for the progress and advancement of agriculture, there is no one agent doing so much for live-stock interests as the big live-stock shows of the country. The State fairs have done much for all branches of agriculture, and particularly live stock. They afford splendid opportunity for the farmer who is a student of his business, in that they give him new

ideals and inspiration to reach the higher degree of development along some definite line. The modern State fair has grown to be a big thing, and one to be encouraged at every opportunity. It brings together the best there is in the agriculture of the State.

The International Live-stock Show, annually held at Chicago, holds the same relation to the Nation's progress along lines of breeding and feeding that the State fair bears to the general agriculture of the State. This, the largest live-stock show in the world today, certainly has much to commend it. Not only does it bring together the best there is in the breeder's and feeder's art in this country and Canada, but it attracts men who are in the forefront of one of the greatest industries in the world. These men meet to exchange ideas on various phases of animal husbandry. They form new ideals, get new ideas, learn new methods, and at the same time see the best there is in beef cattle, horses, swine, and sheep. Certainly, nothing could be more inspiring to young men than to see lined up forty or fifty of the best animals to be found anywhere in the world, and so nearly alike that it requires a half day for the judge to make the awards. How could an evening be more profitably spent than listening to the best music and watching the parade of the day's prize-winners.

No college offers the same opportunity for the study of breeds and types that the International does. Think of the college that could show 700 specimens of beef cattle to her students and a similar number of other classes of animals. No young man can afford to miss such a show. It gives opportunity for close inspection and study of the best breeds and types produced and is a splendid example of the art of breeding, feeding, and fitting.

The International brings together the best. Here championships are settled. Carloads of cattle, sheep, and hogs are exhibited; here the lesson of the feed-lot is demonstrated, and all without the nuisance of side shows and fakirs. It is a stockman's show and deserves the patronage of every man who wants to know the best and produce the best. Farmers, take your sons and give them a taste for good stock, and there will be little complaint about boys leaving the farm. The inspiration and ideals gotten from a show of such outstanding merit will last a lifetime.

J. H. SKINNER.

Purdue University.

The man who wants to marry happily should pick out a good mother and marry one of her daughters; any one will do.

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# THE AMERICAN ROYAL

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Such Were the Sentiments Expressed by Prominent Exhibitors and Men of Affairs in Cattle-breeding of the American Royal of 1903.

## PRINCIPAL WINNERS IN AMERICAN ROYAL IN 1903.

### HEREFORD CHAMPIONS.

Grand champion male—Onward 4th, James A. Funkhouser, Plattsburg, Mo.  
Senior champion male—Onward 4th, James A. Funkhouser, Plattsburg, Mo.  
Junior champion male—Prairie Donald, Stanton Breeding Farm Co., Madison, Neb.  
Grand champion female—Rosalia, W. S. Van Natta & Son, Fowler, Ind.  
Senior champion female—Miss Caprice, Gudgel & Simpson, Independence, Mo.  
Junior champion female—Rosalia, W. S. Van Natta & Son, Fowler, Ind.  
Champion herd—James A. Funkhouser, Plattsburg, Mo.

### SHORTHORN CHAMPIONS.

Grand champion male—Ceremonious Archer, F. W. Harding, Waukesha, Wis.  
Senior champion male—Ceremonious Archer, F. W. Harding, Waukesha, Wis.  
Junior champion male—Royal Wonder, F. W. Harding, Waukesha, Wis.  
Grand champion female—Village Belle 2d, D. R. Hanna, Ravenna, Ohio.  
Senior champion female—Village Belle 2d, D. R. Hanna, Ravenna, Ohio.  
Junior champion female—Fair Queen, E. W. Bowen, Delphi, Ind.  
Champion herd—F. W. Harding, Waukesha, Wis.

### GALLOWAY CHAMPIONS.

Grand champion male—Imported Worthy 3d, C. E. Clarke, St. Cloud, Minn.  
Senior champion male—Imported Worthy 3d, C. E. Clarke, St. Cloud, Minn.  
Junior champion male—Standard's champion, Brookside Farm Co., Ft. Wayne, Ind.  
Grand champion female—Dainty of Wavertree, C. E. Clarke, St. Cloud, Minn.  
Senior champion female—Dainty of Wavertree, C. E. Clarke, St. Cloud, Minn.  
Junior champion female—Adella of Brookside, Brookside Farm Co., Ft. Wayne, Ind.  
Champion herd—Brookside Farm Co., Ft. Wayne, Ind.

### ANGUS CHAMPIONS.

Grand champion male—Juba of Morlich, Charles H. Gardner, Blandinsville, Ill.  
Senior champion male—Juba of Morlich, Charles H. Gardner, Blandinsville, Ill.  
Junior champion male—Censor, W. A. McHenry, Denison, Iowa.  
Grand champion female—Vale, Chas. H. Gardner, Blandinsville, Ill.  
Senior champion female—Vale, Chas. H. Gardner, Blandinsville, Ill.  
Junior champion female—Erica McHenry 3d, W. A. McHenry, Denison, Iowa.  
Champion herd—W. A. McHenry, Denison, Iowa.

This year marks the first exhibit of horses at this great show and both exhibitors and visitors are pleased to know that the display both in size and quality was better than the first exhibit of horses at the great International at Chicago. Several of the most prominent breeding and importing companies were represented by large exhibits of Percherons, Belgians, and French and German Coach horses. But for the fact that it was necessary to house the horse exhibit in a barn at some distance from the main show these magnificent animals would have attracted the attention which they richly deserved and which they did not receive for this reason alone.

The American Royal was originally founded as a show of Hereford cattle and this breed has always been prominent in it but never so much so as at the show just closed. The exhibits in all the breeds showed the wonderful progress that has been made in the last few years in the production of "baby beef," and while the more mature classes of Herefords were unequalled in their excellence the showing in the younger classes was something that could probably not be excelled in any other breeding center on earth. All the various prominent families of Herefords were represented. It was a marvel to visitors that the results obtained by the breeders in the use of these several blood lines were so wonderfully uniform in quality. As in all the cattle classes the judges had the most difficult duty in selecting prize-winners that ever fell to the lot of men in that capacity.

The Shorthorns made a wonderful exhibit of younger animals but it was noticeable that the mature classes in this breed were hardly so strong as have been seen in other shows. The American Royal of 1902 showed much stronger in the older classes of Shorthorns, but very much less strong in the younger classes than did the show of 1903.

A large number of exhibitors were present, but the principal prizes went to those who have already established a reputation as prize-winners at the great shows. The exhibition of young Shorthorns gave great promise for the future of that breed, and the bringing together of such a large number in a show like the American Royal is a matter of education to the breeders themselves as well as to the visiting public.

It is doubtless true that there is no breed of cattle on earth that has shown such a marked degree of improvement in the last decade as have the Galloways. It is also true that if the statements of men who are familiar with the facts are to be credited, there never was brought together such a showing of this breed as was seen at Kansas City last week. Following the demands of the times, breeders of Galloways have become keen contestants in the race for the best baby beef, and the magnificent showing of Galloways in the younger classes was a revelation to even experienced breeders. One prominent breeder who makes frequent trips to the old country stated that for both quality and numbers the American Royal of this year made a greater showing of Galloways than was ever seen in their home across the waters.

Breeders of all breeds of cattle generally admit that the Galloways are forging rapidly to the front in their development of typical beef animals and when it is remembered that the Galloways have been three times the winners in succession in the contest for the grand championship of the feeding classes, it will be seen that their claims for excellence are not without foundation. There seems to be a special field for the Galloways on the ranches and ranges of the plains and mountains of the West. Their thick coating of hair, which protects them against the annoyance of insect pests in the summer and the inclement weather in the winter, together with their easy keeping qualities, their choice product of beef, and the magnificent robes they supply, make them popular with the cattlemen of the West. There is a great future in store for this breed.

The Angus cattle have not been continuous exhibitors at the American Royal, but after the results obtained last week prominent breeders of these cattle expressed regret that they had not participated in every Royal show. Prominent in this breed was shown a herd that is known the United States over as the best prize-winning herd in this country. Competing with them and winning a fair share of the money were representatives from the largest home-grown herd in the United States. Also from another herd, equally as large, but not all home-bred, which also has its home in western Kansas. These two herds, one of which is located at Hudson and the other at Russell, Kans., are fine examples of what this breed can do under the conditions found in the plains country. Competing as they did with the Illinois herd, which is the best in the United States, and winning as they did a share of the prize money, speaks volumes for the possibilities of this breed and of western Kansas as a home for pure-bred cattle. As in the other breeds the younger classes were exceptionally strong though the older ones were stronger than heretofore shown and it is to be noted that the grand champion of carload grades had high-grade Angus cows for their dams.

The hog show this year was not strong in number of breeds though the breeds represented were well advertised by the animals on exhibition. The Duroc-Jerseys have made a wonderful growth in popularity in Missouri, Nebraska, and Kansas, within a very few recent years, and their showing at the Royal was a strong one. With their great size, early maturity, wonderful reproductive powers and comparative immunity from disease they have gained a hold upon the farmers and breeders of the West which has resulted in their enormous increase in numbers all over the sections named.

The Ohio Improved Chester Whites had a very excellent showing which proved to be the inauguration of a boom for that breed. As elsewhere stated, one Kansas breeder sold a 4-year-old sow for \$250, and he was the breeder of the grand champion boar for which an offer of \$1,000 was refused by his present owner. Another sale of a sow for \$350 at private treaty was reported, while a Kansas breeder was offered \$100 for a young boar pig. Of late years this breed has not been so prominent among Kansas breeders and farmers, but the care which has been devoted to it by breeders over the country has resulted in the development of a type of animals which recommends itself and the breed is again coming into popularity rapidly. This serves simply to emphasize what is now a fact that there is room for all good breeds of cattle and hogs, and that there is no farm in Kansas that is poor enough to warrant its owner in raising scrub stock.

The sheep exhibit was not very large in numbers although a good many breeds were represented. The animals on exhibition were fine illustrations of the several breeds, and each has its admirers although several breeders handle more than one breed. There is a place on nearly every farm for a few head of sheep. They clean up the waste corners, enrich the soil and are very profitable. It does not cost much money to start a flock of sheep, and in the present condition of the cattle market many farmers have turned their attention to sheep for the present. Exhibited with the other sheep, though not for prizes, were a number of Persian fat-tailed sheep which served as an object lesson to visitors and breeders as to what has been accomplished in this country by proper selection and breeding as compared with what may be found in Persia and adjacent countries. The sheep exhibit as a whole was exceeding creditable and will doubtless result in increased numbers at the next Royal.

About 400 Angora goats were placed on exhibition and expert breeders present were unanimous in their statements that it was the best showing ever made by the Angora Breeders' Association. They came from points as far distant as California, Oregon, New Mexico, Texas, and

Maryland. Their owners persist that the breeding of goats is not a fad in any sense and the fact that they are willing to pay as high as \$1,400 for a single animal, as was the case last year, and \$1,300 as was true this year, gives evidence of their faith in the breed they represent. Accompanying this exhibit and acting as expert judge was Mr. Geo. F. Thompson, of the Bureau of Animal Industry, who has done more, perhaps, to forward the interests of goat-breeding in this country than any other one man. With this exhibit was also found a very handsome showing of rugs, plushes, etc., made by what is now the largest mohair manufacturing company in the world. This is mentioned because but a few years since there was almost no market for mohair in the United States because there were no factories. Now all this is changed, and the United States manufactures more mohair than is produced in any other country.

The American Royal of 1903 made prominent a very important fact, namely, that the show has grown so rapidly that new accommodations must be provided for it. This year it was necessary to put the horse exhibit in a barn at a considerable distance from the American Royal grounds and next year we predict that not only will other permanent buildings be found necessary, but a larger tract of ground will have to be provided for this great show.

The exhibition of the live stock in a tent is ideal when the weather is good but if the show is to remain a permanent fixture a permanent show and sale pavilion will be necessary to insure the exhibits and visitors against the inclement weather. The management of the Royal could not be improved upon. The officers in charge are evidently the right men in the right place and everything moved off like clock work during the entire week. The show week was characterized by the attendance in numbers of the stock-judging class of students from several agricultural colleges, and it is to be hoped that this feature will be made more prominent and that a greater number will participate in the future.

The culmination of this show which was undoubtedly the greatest of two continents in point of quality, occurred on Saturday afternoon when there was held a grand procession of prize-winning animals. In this great parade appeared some two million dollars worth of cattle, some of which are practically priceless. The cattle were paraded four abreast, the blacks on the inner circle and the Herefords and Shorthorns on the outer, each bearing the trophies won and each breed headed by its grand champion. These cattle ranged in size from the sucking calf, which proudly bore the trophy of its first victory, to the huge veteran whose great bulk was covered with prize-ribbons won in a long series of contests, the greatest of which was the American Royal of 1903. Onward 4th, the champion Hereford bull, bore upon his broad back the Armour cup and was followed by the other prize-winning Herefords. The Shorthorn line was headed by Ceremonious Archer, who marched side by side with that wonderful cow, Village Belle 2d. The Galloway division was lead by Imp. Worthy 3d from Minnesota, and the Angus by Juba of Morlich from Illinois. The cattle were welcomed with round after round of applause and when they departed from the tent, as they were obliged to do in order to give room for the horse parade, Col. J. W. Robison, the veteran breeder of Towanda, Kans., and president of the American Royal Horsebreeders' Association, walked in advance, followed by his great Percheron stallion, Casino. Later came the McLaughlin Bros., with their first prize-winner. They were followed by the other breeders, all of whom met with enthusiastic reception from the 5,000 people seated in the show tent.

The great show is over and leaves but one regret, this is that all the farmers and breeders of Kansas and adjacent States could not have been present. The American Royal is one of the greatest object lessons to the men who have charge of the industry which is the foundation of all prosperity, and it certainly is a matter of duty, as well as of self-interest to every farmer and stockman to be present at least one day. Following will be found a complete report of the exhibits and awards:

### Herefords.

Exhibitors: Steele Bros., Belvoir, Kans.; John Hutson, Canon City, Texas; Newton Long, Sumner, Mo.; W. H. Curtice, Eminence, Ky.; R. H. Hazlett, Eldorado, Kans.; Steward & Hutcheon, Greenwood, Mo.; Benton Gabbert, Dearborn, Mo.; C. A. Stannard, Emporia, Kans.; W. S. Van Natta & Son, Fowler, Ind.; E. E. Wall, Leeton, Mo.; W. W. Gray, Fayette, Mo.; Chas. W. Armour, Kansas City; James A. Funkhouser, Plattsburg, Mo.; T. W. Carmichael, Odesa, Mo.; Frank Rockefeller, Belvidere, Kans.; Makin Bros., Lees Summit, Mo.; J. C. Adams, Moweaqua, Ill.; Dr. J. E. Logan, Kansas City, Mo.; Gudgel & Simpson, Independence, Mo.; C. N. Moore, Lees Summit, Mo.; N. E. Mocher & Son, Sallsburg, Mo.; Vermillion Hereford Cattle Company, Vermillion, Kans.; Stanton Breeding Farm Co., Madison, Neb.; C. G. Comstock, Albany, Mo.; Minier Bros., Craig, Neb.; Mrs. Kate Wilder Cross, Emporia, Kans.; O. Harris, Harris, Mo.; R. C. Wilson, Belton, Mo.; Clarence Dean, New Market, Mo.; J. W. Lenox, Independence, Mo.; C. L. Browning, Laredo, Mo.; Carrothers Bros., Ryan, Iowa; J. M. Curtice, Kansas City; J. W. Wampler & Son, Brazilton, Kans.; W. B. Waddell, Lexington, Mo.

Judges: George Ward, Hawarden, Iowa; Wm. Ernst, Graf, Neb.; T. C. Sawyer, Lexington, Mo.  
Bull 3 years or over—First, Van Natta & Son's Prime Lad 108911; second, Harris's Beau Donald 5th 86142; third, Wall's Columbus 27th 100913; fourth, Steward & Hutcheon's Beaumont 134751; fifth, Stannard's Gem's Kept On 103457; sixth, Armour's Bell Metal 162821; seventh, Benton Gabbert's Columbus 33d 121109; eighth, Hutson's Ten Strike 80169.

Bull 2 years and under 3—First, Funkhouser's Onward 4th 123694; second, Moore's Beau March On 137563; third, W. H. Curtice's Beau Donald 39th 121457; fourth, Hazlett's Dale Duplicate 2d 134400; fifth, S. J. Gabbert's Columbus 53d 134101; sixth, Benton Gabbert's Sensation 121326; seventh, W. H. Curtice's Beau Donald 48th 121465.  
Senior yearling bull—First, Stanton



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Breeding Farm Co.'s Prairie Donald 139613; second, W. H. Curtice's Prince Rupert 6th 142701; third, Stannard's Keen On 26th 136177; fourth, W. H. Curtice's Rex Premier 145572; fifth, Steele Bros.'s Rodrick 159459; sixth, Vermillion Hereford Co.'s Lord Albert 131557.

Junior yearling bull—First, Steward & Hutcheon's Beau Don 152378; second, Funkhouser's Hesiod 95th 140937; third, Comstock's Defender 140037; fourth, Van Natta & Son's Donald March On 137119; fifth, Gudgell & Simpson's Romulus 163989; sixth, S. J. Gabbert's Sensation 2d 137163; seventh, Hazlett's Monarch 142149; eighth, Rookfeller's Soldier Creek Columbus 2d 141845; ninth, Wilson's Lomax 2d 136644.

Senior bull calf—First, Funkhouser's Onward 1st 151572; second, Harris's Benjamin Wilton 10th 156708; third, W. H. Curtice's Beau Donald 5th 162608; fourth, Steward & Hutcheon's Leader 160541; fifth, J. M. Curtice's Beau Champion 3d 167650; sixth, Steward & Hutcheon's Magician 160542; seventh, Funkhouser's Onward 19th 151573; eighth, Gudgell & Simpson's Dandy Duke 171352; ninth, Stannard's Keen On 40th 148331; tenth, Van Natta & Son's Admiral 160848; eleventh, Steward & Hutcheon's Queen's Acme 160544.

Junior bull calf—First, Harris's Benjamin Wilton 10th 156708; second, Funkhouser's Onward 23d 162594; third, Harris's Ironclad 159922; fourth, Steward & Hutcheon's Pontiff; fifth, Stannard's Amulet 159716; sixth, Gudgell & Simpson's Mariborough 171355; seventh, W. H. Curtice's Beau Donald 6th 163614; eighth, J. M. Curtice's Beau Champion 4th 167651; ninth, Gudgell & Simpson's Beau President 171349; tenth, Logan's Saint Grove 9th 159961; eleventh, A. E. Metsker's Dudley X.

Cow 3 years or over—First, Gudgell & Simpson's Miss Caprice 109725; second, Van Natta & Son's Lorna Doone 94479; third, W. H. Curtice's Belle Donald 28th 105134; fourth, Harris's Russett 73664; fifth, Harris's Iva 2d 97455; sixth, Gudgell & Simpson's Modesty 97971; seventh, Funkhouser's Lady Columbus 18th 100924; eighth, Steele Bros.' Priscilla 89400.

Cow or heifer 2 years and under 3—First, Harris's Lucile 2d 119938; second, Funkhouser's Romaine 123697; third, W. H. Curtice's Belle Donald 56th 121479; fourth, Van Natta & Son's Gipsy Lady 2d 126246; fifth, W. H. Curtice's Belle Donald 59th 125799; sixth, Harris's Kattie 4th 119936; seventh, Steele Bros.' Princess May 2d 136027; eighth, Gudgell & Simpson's Priscilla 5th 129538.

Senior yearling heifer—First, Van Natta & Son's Rosalie 137725; second, Harris's Chaney 129195; third, W. H. Curtice's Belle Donald 59th 142710; fourth, Steele Bros.' Heliotrope 159451; fifth, Funkhouser's Velvet 134739; sixth, Stannard's Elvira 5th 136170; seventh, Gudgell & Simpson's Capitola 16th 143990; eighth, Steward & Hutcheon's Beau's Queen 139835.

Junior yearling heifer—First, Harris's Amelia 140758; second, Funkhouser's Twila 140945; third, Van Natta & Son's Cleo March On 137718; fourth, Steele Bros.' Domestic 165738; fifth, Stannard's Royalty 4th 154406; sixth, W. H. Curtice's Belle Donald 61st 142697; seventh, Cross's Letitia 154404; eighth, Steward & Hutcheon's Gladys 143626; ninth, Cross's Joy 154402.

Senior heifer calf—First, Funkhouser's American Royal Princess 151561; second, Harris's Iva 4th 156713; third, J. M. Curtice's Beau Perfect's 1st 167652; fourth, W. H. Curtice's Belle Donald 69th 162620; fifth, Harris's Arminta 4th 159982; sixth, Stannard's Erma 154598; seventh, J. M. Curtice's Beau Perfect's 2d 167653; eighth, Funkhouser's Rovilla 151574; ninth, Gudgell & Simpson's Capitola 20th 171350; tenth, Steward & Hutcheon's Acme's Queen 160537; eleventh, Harris's May Blossom 156714; twelfth, Stanton Breeding Farm Co.'s Columbia Maid 153382; thirteenth, Van Natta & Son's Miss Donald 160855.

Junior heifer calf—First, Harris's Miss Donald 5th 159998; second, Harris's Miss Donald 159994; third, Gudgell & Simpson's Genevieve 171353; fourth, J. M. Curtice's Beau Perfect's 3d 167654; fifth, Harris's Primrose 2d 160000; sixth, Van Natta & Son's Lovey Mary 160854.

Senior sweepstakes bull 2 years or over—Funkhouser's Onward 4th.

Junior sweepstakes bull under 2 years—Stanton Breeding Farm Co.'s Prairie Donald.

Senior sweepstakes cow or heifer 2 years or over—Gudgell & Simpson's Miss Caprice.

Junior sweepstakes heifer under 2 years—Van Natta & Son's Rosalie.

Best bull any age—Funkhouser's Onward 4th.

Best cow or heifer any age—Van Natta & Son's Rosalie.

Agal herd—First, Funkhouser; second, Van Natta & Son; third, Harris; fourth, Gudgell & Simpson; fifth, W. H. Curtice.

Young herd—First, Harris; second, Funkhouser; third, W. H. Curtice; fourth, Van Natta & Son; fifth, Steward & Hutcheon.

Calf herd—First, Harris; second, Funkhouser; third, W. H. Curtice; fourth, J. M. Curtice; fifth, Gudgell & Simpson.

Best herd in the show—Funkhouser.

Two animals of either sex, produce of one cow—First, Funkhouser; second, W. H. Curtice; third, Van Natta & Son; fourth, Harris; fifth, W. H. Curtice.

Four animals of either sex, get of one sire—First, Funkhouser; second, Harris; third, Gudgell & Simpson; fourth, Steele Bros.; fifth, W. H. Curtice.

Steer, spayed or martin heifer 2 years and under 3—First, Hutson's Aprilita 121201; second, Stannard's Sunny Slope Tom 14th 119336.

Steer, spayed or martin heifer 1 year and under 2—First, Minier Bros.' Goldsmith; second, Gibson.

Steer, spayed or martin heifer under 1 year—First, Harris's Sandy 160002; second, Stannard's Lord Saxon 3d 154609; third, Gudgell & Simpson's Burnside; fourth, Steward & Hutcheon's Fudge.

Best steer, spayed or martin heifer any age—Minier Bros.

Best ten Herefords any age, bred and owned by exhibitor—the Cady & Olmstead Jewelry Co., silver tea service, valued at \$50, was won by J. A. Funkhouser.

Best carload of Herefords—\$100 given by the Kansas City Live Stock Exchange, Stanton Breeding Farm Co.

Best carload, any age or breed—\$200 given by the Kansas City Live Stock Exchange, J. F. Messerve.

Grand champion carload of twenty steers or heifers 1 year and under 2, any breed—John P. Cudahy gave a silver cup, valued at \$250, which was won by Minier Bros., on Galloways.

### Shorthorns.

Exhibitors: D. R. Hanna, Ravanna, Ohio; William Scannon, Fleming, Mo.; J. F. Stodder, Burden, Kans.; R. A. Ford, Lawson, Mo.; Geo. Manville, Dearborn, Mo.; D. Donohue, Appleton City, Mo.; M. Ashcraft, Atchison, Kans.; H. A. Barber, Windsor, Mo.; E. W. Bowen, Delphi, Ind.; F. W. Harding, Waukesha, Wis.; T. K. Tomson & Sons, Dover, Kans.; H. C. Duncan, Osborn, Mo.; Hanna & Co., Howard, Kans.; C. Thorpe, Weston, Mo.; Purdy Bros., Paris, Mo.; Creswell & Carpenter, Brayner, Mo.; E. S. Myers, Chanute, Kans.; A. C. Schlenberger, Alma, Neb.; T. J. Wornall & Son, Liberty, Mo.; C. S. Nevius, Chiles, Kans.; C. V. Bellows, Maryville, Mo.; J. G. Overton, Trenton, Mo.; C. F. Wolff & Son, Ottawa, Kans.; W. F. Christian & Son, Indianapolis, Ind.; Thos. Andrews & Son, Cambridge, Neb.; Otto Gehlbach, Trenton, Mo.; W. A. Forsyth, Greenwood, Mo.; Jos. Duncan, Osborn, Mo.; W. R. Wilson, Arispe, Iowa; C. E. Leonard & Son, Bellair, Mo.; Fred Case, Olathe, Kans.; G. M. Casey, Clinton, Mo.; Kellogg Stock Farm, Chardon, Ohio; Powell Bros., Lees Summit, Mo.; William Smiley, Malcolm, Iowa.

Judges: Wallace Estill, Estill, Mo.; E. K. Thomas, Paris, Ky.; Martin Flynn, Des Moines, Iowa.

Bull 3 years or over—First, Hanna's Nonpareil of Clover Blossom 153672; second, Barber's Young Dainty 154039; third, Wolf & Son's Tillyclairn 150064; fourth, Manville's 18th Duke of Wildwood 148149; fifth, Ashcraft's Acorn Duke 18th 142177; sixth, Scanlon's Nonpareil Baron 157330; seventh, Ford's Bwail 141687; eighth, Donohue's March On 163976.

Bull 2 years and under 3—First, Harding's Ceremonious Archer 171479; second, Bowen's Rolando 162647; third, Tomson & Son's Dictator 182524; fourth, Hanna & Co.'s Ingleside 187220; fifth, Duncan's Baron's Choice 179637; sixth, Thorp's Spicy Lad 176401.

Senior yearling bull—First, Hanna's King Edward 178114; second, Shallenberger's Bar None 2d 188820; third, Tomson & Son's Belted Knight 182517; fourth, Bothwell's Nonpareil Comet 188486; fifth, Myers's Godoy Bampton 203210; sixth,

Senior heifer calf—First, Tomson & Son's Sweet Harmony; second, Harding's Anoka's Gloster; third, Bowen's Victoria of Linwood 8th; fourth, Bellows's Hampton's Queen; fifth, Hanna's Silver Rosalind; sixth, Tomson & Son's 3d Elderlawn Victoria; seventh, Bellows's Hampton's Queen of Beauty; eighth, Harding's Anoka Missle; ninth, Purdy Bros.' Sonie of Fairview 4th; tenth, Wornall & Son's Daisy Dee; eleventh, Bowen's Meadow Queen; twelfth, Wornall & Son's Heartease; thirteenth, Bellows's Hampton's Butterfly.

Junior heifer calf—First, Wornall & Son's Dewdrop; second, Bellows's Hampton's Duchess; third, Purdy Bros.' Fairview's Orange Blossom 8th; fourth, Stodder's Ceres; fifth, Forsyth's Bapton Duchess; sixth, Bothwell's Charity; seventh, Wornall & Son's Countess Vera; eighth, Bellows's Hampton's Pearl; ninth, Harding's Duchess of Gloster 56th; tenth, Tomson & Son's Rowena; eleventh, Purdy Bros.' Maid of Fairview 6th; twelfth, Tomson & Son's 13th Elderlawn Mary; thirteenth, Nevius's Glenwood Blondine.

Senior sweepstakes bull 2 years or over—Harding's Ceremonious Archer.

Junior sweepstakes bull under 2 years—Harding's Royal Wonder.

Senior sweepstakes cow 2 years or over—Hanna's Village Belle 2d.

Junior sweepstakes heifer under 2 years—Bowen's Fair Queen.

Grand sweepstakes bull any age—Harding's Ceremonious Archer.

Grand sweepstakes cow or heifer any age—Hanna's Village Belle 2d.

Aged herd—First, Bowen; second, Hanna; third, Harding.

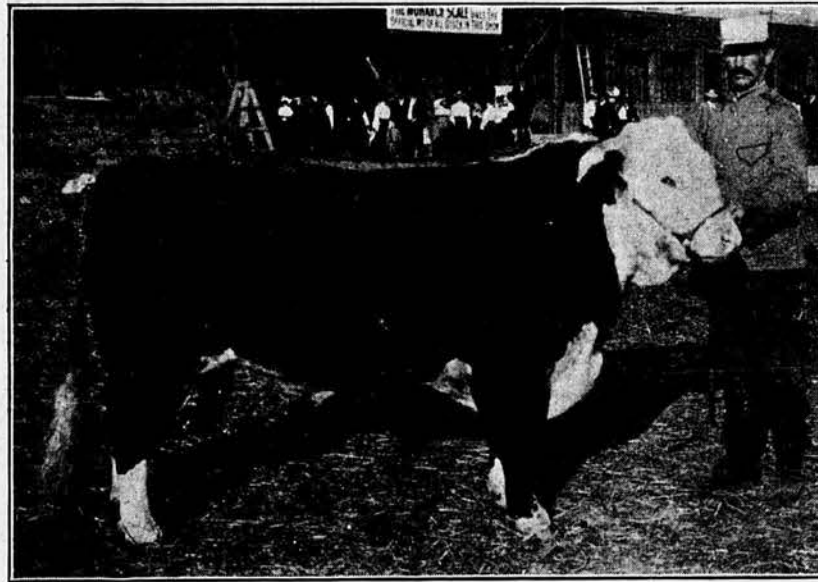
Young herd—First, Wornall & Son; second, Harding; third, Bothwell; fourth, Tomson & Son; fifth, Purdy Bros.

Calf herd—First, Bothwell; second, Harding; third, Wornall & Son; fourth, Tomson & Son; fifth, Purdy Bros.

Two animals of either sex, produce of one cow—First and second, Harding; third, Purdy Bros.; fourth, H. C. Duncan.

Four animals of either sex, get of one sire—First, Harding; second and third combined and divided between Bellows and Wornall & Son; fourth, Tomson & Son; fifth, Purdy Bros.

Two animals, produce of one cow, bred



Junior Champion Hereford Bull, Prairie Donald, owned by Stanton Breeding Farm, Madison, Neb.

Cresswell & Carpenter's Victor B 2d 182039; seventh, Thorp's Chunk 190082.

Junior yearling bull—First, Harding's Royal Wonder 188110; second, Bothwell's Nonpareil Choice 188485; third, Wornall & Son's Grassland Victor 190896; fourth, Wolf & Son's Royal Wanderer 182810.

Senior bull calf—First, Wornall & Son's Parkdale Victor 206228; second, Wornall & Son's Nonpareil Perfection 206647; third, Harding's Archer's Best 197627; fourth, Bellows's Hampton's 1st 206224; fifth, Jos. Duncan's Gwendoline Victor; sixth, Tomson & Son's Silvery Knight 206653; seventh, Stodder's Dare Devil 204007; eighth, Wornall & Son's Orphan Boy 209666; ninth, Purdy Bros.' Golden Lord 2d 205433; tenth, Gehlbach's Double Lavender 207396; eleventh, Bothwell's Nonpareil Baronet 206645.

Junior bull calf—First, Bellows's Hampton's Champion 206227; second, Harding's Anoka Archer 206604; third, Purdy Bros.' Orange Chief; fourth, Nevius's Prince Pavonia 207316; fifth, Hanna's Regal Count 2d 207393; sixth, Bothwell's Nonpareil Champion 206645; seventh, H. C. Duncan's Victor Lee 203378; eighth, Cresswell & Carpenter's Victor S 206129; ninth, Kellogg Stock Farm's Brawthier 2d 26655; tenth, Fred Case's Silk Coat 208508; eleventh, Tomson & Son's Lena's Prince 208253.

Cow 3 years or over—First, Hanna's Village Belle 2d; second, Hanna's Stars Queen; third, Harding's Happy Valley; fourth, Bowen's Imp. Stella; fifth, Wornall & Son's Lorraine; sixth, Kellogg's Buttery 52d; seventh, Barber's Maggie Murphy; eighth, Cresswell & Carpenter's Hatie 2d.

Cow 2 years and under 3—First, Bowen's Queen of Beauty; second, Hanna's Jennie June; third, Harding's Peach; fourth, Hanna's 4th Countess Rosamond; fifth, Stodder's Lady Scotch; sixth, Stodder's Princess Challenger of Silver Creek.

Senior yearling heifer—First, Bowen's Fair Queen; second, Stodder's Oxford Bloom 12th; third, Bothwell's Breeder's Fame; fourth, Hanna's Rose Sterne 8th; fifth, Tomson & Son's 7th Mary of Elderlawn; sixth, Andrews & Son's Dora A; seventh, Purdy Bros.' Maid of Fairview 4th; eighth, Bothwell's Herdsman's Dream; ninth, Nevius's Glenwood Grisona; tenth, Nevius's Glenwood Ramona 2d; eleventh, Tomson & Son's Rose Sterne 7th.

Junior yearling heifer—First, Wornall & Son's Glosterina; second, Harding's Viscountess of Fairview 3d; fourth, Purdy Bros.' Ruby of Fairview; fifth, Andrews & Son's Sarah; sixth, Overton's Laura Overton; seventh, Wornall & Son's Lucy Girl; eighth, Harding's Maid of Honor.

and owned by exhibitor, American Breeders' Challenge Cup, valued at \$100—Harding.

Best ten animals owned by one exhibitor, Cady & Olmstead Jewelry Co., silver tea set, valued at \$50—Harding.

Steer, spayed or martin heifer 2 years and under 3—First, Smiley's Hero of Sheridan.

Steer, spayed or martin heifer 1 year and under 2—First, Smiley's Always in Fashion.

Steer, spayed or martin heifer under 1 year—First, Purdy Bros.' Mary's Lamb; second, Wornall & Son's Nonesuch; third, Casey's Prospector.

Best steer, spayed or martin heifer any age—Smiley.

### Galloways.

Exhibitors: J. E. Bales & Son, Stockport, Iowa; G. W. Lindsey, Red Cloud, Neb.; F. P. Wild Ovid, Mo.; Brookside Farm Company, Ft. Wayne, Ind.; S. M. Croft & Sons, Bluff City, Kans.; C. E. Clarke, St. Cloud, Minn.; C. N. Moody, Atlanta, Mo.; W. D. Brown, Wheeler, Wis.; C. D. McPherson, Fairfield, Iowa; W. M. Brown & Son, Carrollton, Mo.

Judge: Chas. Gray, Ames, Iowa.

Bull 3 years or over—First, Clarke's Imp. Worthy 3d 21228; second, Brookside Farm Co.'s Scottish Prince of Castlemilk 19301; third, Bales & Son's Imp. McDougal 4th of Tarbreoch 19300; fourth, Lindsey's Senator Mac 17426; fifth, Croft & Sons' Randolph 2d of Thorniehill 19302; sixth, Wild's Chalmers of Highland 16801; seventh, Moody's Duke of Suffolk 16934.

Bull 2 years and under 3—First, Brookside Farm Co.'s Scottish Standard 1st 18538; second, Bales & Son's Duke of German 17702; third, Brown's King Moreland 21324.

Bull 1 year and under 2—First, Lindsey's Pat Ryan of Red Cloud 20038; second, Brookside Farm Co.'s Two-in-One 19775; third, Moody's Scottish Standard 4th; 19773; fourth, Croft & Son's Twilight of Castlemilk 21088; fifth, Brown's John Mitchell 21612; sixth, Bales & Son's Norman 3d of Avondale 20761; seventh, McPherson's Twister of Wavertree 20719.

Bull under 1 year—Brookside Farm Co.'s Standard's Champion 22728; second, Clarke's Lord Ronald 23112; third, Bales & Son's Judy's Pride 23199; fourth, Wild's Douglas of Wildwood 22265; fifth, Lindsey's Sixty of Red Cloud 23159; sixth, Brown's Mason's Pride 23183; seventh, Moody's McDougal Yet 21836.

Cow 3 years or over—First, Clarke's Dainty of Wavertree 12094; second,

## AT HALF MAST.

Sometimes we are greeted in the morning by flags at half-mast for some prominent official who yesterday was apparently in perfect health. When we inquire the ailment by which he was stricken it is not uncommon to be told "acute indigestion" or "stomach trouble."

It is time people learned that indigestion or any form of "stomach trouble" is not a thing to trifle with. The result may not be fatal, but there can be no condition of diseased stomach which does not carry with it physical loss and weakness.

Dr. Pierce's Golden Medical Discovery cures indigestion and other forms of disease affecting the stomach and its allied organs of digestion and nutrition. It enables the perfect digestion and assimilation of food.

"Thanks to Dr. Pierce's Golden Medical Discovery," writes Mr. Charles H. German, of Lehigh, Pa. "It is the only medicine that has done me any good. I tried everything I could think of to cure indigestion, and found I was only throwing away money. Then I heard of Doctor Pierce's Golden Medical Discovery and tried a bottle of it, and to my joy found it was doing me good. I used six bottles of it and am now cured. It is the best medicine on earth."

This grand remedy does its work in a thorough manner; it gives the health that is all health; the strength that is solid, substantial and lasting; not flabby fat, not false stimulus, but genuine, complete, renewed vitality and life force.

Accept no substitute for "Golden Medical Discovery." There is nothing "just as good" for diseases of the stomach, blood and lungs.

Dr. Pierce's Pleasant Pellets cure constipation and its consequences.

Moody's Imp. Paragon 15061; third, Bales & Son's Imp. Graceful 3d of Garlestown 19297; fourth, Wild's Lady Grace 3d 9574; fifth, Brookside Farm Co.'s Jewel of Durhamhill 15225; sixth, Croft & Sons' Terres 17439; seventh, Lindsey's Max Graceful 14132.

Cow or heifer 2 years and under 3—First, Wild's Sauterne of Wavertree 17820; second, Bales & Son's Dorothea 18673; third, Clarke's Imp. Favorite 16th of Lochenkit 21205; fourth, Brookside Farm Co.'s Scottish Princess 1st 19335; fifth, Moody's Semiramis to See 18675; sixth, Lindsey's Cleona of Red Cloud 15750; seventh, Croft & Sons' Miss Woolly 20000.

Heifer 1 year and under 2—First, Brookside Farm Co.'s Scottish Princess 2d 20905; second, Clarke's Carmen of Meadow Lawn 21301; third, Moody's Gracius M. 21125; fourth, Brookside Farm Co.'s Scottish Mist 19771; fifth, Brookside Farm Co.'s Wild Thyme of Maples 3d 21539; sixth, Brookside Farm Co.'s Scotch Lilly 20908.

Heifer under 1 year—First, Brookside Farm Co.'s Adela of Brookside 22718; second, Clarke's Lady Harden of Meadow Lawn 23016; third, Brookside Farm Co.'s Bettie Miller 3d 22713; fourth, Brookside Farm Co.'s Scottish Empress 22715; fifth, Clarke's Fanny of Meadow Lawn 23101; sixth, Bales & Son's Lady Curzon 23198; seventh, Wild's Maud of Wildwood 22258.

Senior champion male—Clarke's Imp. Worthy.

Junior champion male—Brookside Farm Co.'s Standard's Champion.

Senior champion female—Clarke's Dainty of Wavertree.

Junior champion female—Brookside Farm Co.'s Adela of Brookside.

Aged herd—First, Clarke; second, Brookside Farm Co.; third, Bales & Son; fourth, Wild; fifth, Croft & Sons; sixth, Lindsey; seventh, McPherson.

Breeder's young herd—First, Brookside Farm Co.; second, Moody; third, Brookside Farm Co.; fourth, Bales & Son; fifth, Lindsey; sixth, McPherson.

Four animals of either sex any age, get of one sire—First, Brookside Farm Co.; second, Brookside Farm Co.; third, Moody; fourth, Bales & Son; fifth, Lindsey.

Two animals of either sex any age, produce of one cow—First, Brookside Farm Co.; second, Brookside Farm Co.; third, Bales & Son; fourth, Lindsey; fifth, Wild.

Best herd 10 animals—Brookside Farm Co.

Best bull or cow in the show any age—Cow, Clarke's Lady of Wavertree; bull, Clarke's Imp. Worthy 3d.

### Aberdeen-Angus.

Exhibitors: A. C. Binnie, Alta, Iowa; W. J. Miller, Metz, Iowa; Palmer & Palmer, Princeton, Ill.; Parker Parrish & Miller, Hudson, Kans.; W. M. Pettit, Shelby, Iowa; R. S. Williams, Liberty, Mo.; Jas. B. Wither, Missouri City, Mo.; E. Reynolds & Son, Prophetstown, Ill.; C. H. Gardner, Blandville, Ill.; W. A. McHenry, Denison, Iowa; W. A. Seeley, Mt. Pleasant, Iowa; Elm Park Cattle Co., Paris, Mo.; H. H. Anderson, Laredo, Mo.; N. G. Cone, Arbella, Mo.; T. J. McCreary, Hilland, Kans.; J. H. Rea & Son, Carrollton, Mo.; Chas. E. Sutton, Russell, Kans.; W. W. Andrews, Maryville, Mo.; C. D. Hooker & Son, Maryville, Mo.; Silas Igo, Palmyra, Iowa; W. J. Turpin, Carrollton, Mo.; W. J. Ballard, Liberty, Mo.; A. S. Williams, Liberty, Mo.

Judge: E. T. Davis, Iowa City, Iowa.

Bull 2 years or over—First, Gardner's Juba of Morlich 62233; second, Binnie's Mayor of Alta 2d 88552; third, Reynolds & Son's Pretoria 88985; fourth, Parker,



Parrish & Miller's Hale Lad 30645; fifth, Withers's Justino 35112.

Bull 2 years and under 3—First, Gardner's Barbara Rosegay 46164; second, McHenry's Western Star 46345; third, Binnie's Fearless Lad 5531; fourth, Parker, Parrish & Miller's Sunflower Gay Lad 48974; fifth, Seeley's Crownbearer 40106.

Senior yearling bull—First, McHenry's Censor 52882; second, Elm Park Cattle Co.'s Park Hero 53470.

Junior yearling bull—First, Gardner's Keep Your Eye on Chicago 63091; second, Parker, Parrish & Miller's Japan Ito 55383; third, Reynolds & Son's Matilda's Pride 62797; fourth, Anderson's Clyde Anderson 57093; fifth, Rea & Son's Moss Creek Morlich 63279; sixth, Sutton's Rutger King 2d 64096.

Junior bull calf—First, McHenry's Quality Lad 61885; second, Gardner's Vala Rosegay 63745; third, Igo's Black Monarch of Homedale 64162; fourth, Parker, Parrish & Miller's Happy Lad 63772; fifth, Pettit's Proud Pettit 62418; sixth, Binnie's Mayor of Alpha 6th; seventh, Palmer & Palmer's Edgewood Primo 2d 64178; eighth, Withers's Bluegrass Ridge Jock 63033; ninth, Binnie's Blackbird Baron; tenth, Andrews's Bardi Bloom 63277; eleventh, Hooker & Son's Lord Geary 2d 63061.

Cow 3 years or over—First, Gardner's Vala 37888; second, McHenry's Barbara McHenry 13th 32488; third, Binnie's Mina of Alta 3d 33589; fourth, Parker, Parrish & Miller's Jilt 11th 29972; fifth, Pettit's Heather Bloom McHenry 5th 32498; sixth, Palmer & Palmer's Bella Princeton 22528; seventh, Elm Park Cattle Co.'s Golden Flora 35749; eighth, Reynolds & Son's May Escher 2d 28893.

Cow 2 years and under—First, Gardner's Gay Rose Princess 46163; second, McHenry's Blackbird of Denison 41st 46110; third, Binnie's Pride of Aberdeen 181st 64001; fourth, Parker, Parrish & Miller's Sunflower Sweet Violet 49667; fifth, Gardner's Miss Plummer 48715; sixth, Parker, Parrish & Miller's Sunflower Happy 2d 48982; seventh, Pettit's Queen of Denison 43d 46135; eighth, Seeley's Lucy 5th of La-Crew 45860.

Senior yearling heifer—First, McHenry's Eroca McHenry 3d 52880; second, Binnie's Pride of Aberdeen 71st 52732; third, Parker, Parrish & Miller's Sunflower Rose 48992; fourth, McHenry's Blackbird McHenry 45th 54144; fifth, Elm Park Cattle Co.'s Park Jennet 55844; sixth, Reynolds & Son's Ida's Lady 53110; seventh, Seeley's Alva of La-Crew 3d 52016; eighth, Withers's Leah W. 45281.

Junior yearling heifer—First, Gardner's Rosegay's Pride 53418; second, Gardner's Rosegay's Mina 53417; third, Elm Park Cattle Co.'s Park Erina 53845; fourth, Parker, Parrish & Miller's Sunflower Happy 3d 54371; fifth, Seeley's Broadus Heather 54291; sixth, Gardner's Black Queen Vera 53416; seventh, Anderson's Dehlla I. 4th 57092; eighth, Parker, Parrish & Miller's Sunflower Alberta 54370; ninth, Ballard's Betsy Baker 57068; tenth, Palmer & Palmer, Edgewood Heroine 2d 30328; eleventh, Reynolds & Son's Ida's Beauty 54747.

Senior heifer calf—First, Elm Park Cattle Co.'s Jennet of Park 64101; second, McHenry's Coquette McHenry 29th 61874; third, Sutton's Rutger Mina 2d 64094; fourth, McHenry's Abbess McHenry 5th 61871; fifth, Gardner's Burns Rose 63089; sixth, Miller's Metz Princess 64131; seventh, McHenry's Coquette McHenry 30th 61880; eighth, Turpin's Grapewood Venus 62705.

Junior heifer calf—First, McHenry's Queen McHenry 47th 61884; second, Gardner's My Kittle 63092; third, Miller's Jemima of Shoestanes 61675; fourth, Withers's Bluegrass Ridge Eva 63034; fifth, Gardner's Peachey 64289; sixth, R. S. Williams's Mary Etta 64168; seventh, Palmer & Palmer's Edgewood Princess 2d 64179; eighth, Reynolds & Son's May Pride 62798; ninth, Parker, Parrish & Miller's Sunflower Lady Stewart 63771; tenth, A. S. Williams's Williamsdale Little Lady 64167; eleventh, Andrews's Pride of Heatherton 12th 63621.

Senior sweepstakes bull 2 years or over—Gardner's Juba of Morlich.

Junior sweepstakes bull under 2 years—McHenry's Censor.

Senior sweepstakes cow 2 years or over—Gardner's Vala.

Junior sweepstakes cow under 2 years—McHenry's Erica McHenry.

Grand sweepstakes, best bull any age—Gardner's Juba of Morlich.

Grand sweepstakes, best cow any age—Gardner's Vala.

Aged herd—First, Gardner; second, McHenry; third, Binnie; fourth, Parker, Parrish & Miller; fifth, Miller.

Young herd—First, McHenry; second, Gardner; third, Parker, Parrish & Miller; fourth, Elm Park Cattle Co.; fifth, Miller.

Calf herd—First, McHenry; second, Gardner; third, Reynolds & Son; fourth, Parker, Parrish & Miller; fifth, Withers.

Two animals of either sex, produce of one cow—First, Gardner; second, McHenry; third, Binnie; fourth, Elm Park Cattle Co.; fifth, Parker, Parrish & Miller.

Four animals of either sex, or steers, get of one sire—First, Binnie; second, Gardner; third, McHenry; fourth, Seeley; fifth, Parker, Parrish & Miller.

Steer, spayed or martin heifer, 2 years and under 3—First, Binnie; second, Gardner.

Steer, spayed or martin heifer, 1 year and under 2—First, Binnie; second, McCulloch; third, Seeley.

Steer, spayed or martin heifer, under 1 year—First, Gardner; second, Seeley.

Best steer, spayed or martin heifer any age—Binnie.

#### Duroc-Jerseys.

Exhibitors: G. W. Trone & Sons, Rushville, Ill.; G. Van Patten, Sutton, Neb.; McFarland Bros., Sedalia, Mo.; John Carter, Stanberry, Mo.; N. B. Sawyer, Cherryvale, Kans.; G. W. Sackman, Ripley, Ill.; B. W. Harned, Beeman, Mo.; J. C. Woodburn, Maryville, Mo.; C. Folgate, Stanberry, Mo.; T. G. Nash, Pickering, Mo.; B. F. May, Campbell, Neb.; Balman & Fitch, Lawrence, Neb.; R. H. Brown, Harrisonville, Mo.; Geo. Briggs & Son, Clay Center, Neb.

Judges: J. B. Davis, Fairview, Kans.; H. B. Loudon, Clay Center, Neb.

Boar 2 years or over—First, Briggs & Son; second, Van Patten; third, Trone & Sons.

Boar 12 months and under 24—First Van Patten; second, McFarland Bros.; third, Van Patten.

Boar 6 months and under 12—First, Sackman; second, McFarland Bros.; third, Briggs & Son.

Boar under 6 months—First, Folgate; second, Nash; third, Briggs & Son.

Sow 2 years or over—First, McFarland Bros.; second, Briggs & Son.

Sow 12 months and under 24—First, Van Patten; second, Van Patten; third, McFarland Bros.

Sow 6 months and under 12—First, May; second, Sackman; third, Briggs & Son.

Sow under 6 months—First, McFarland Bros.; second, Trone & Sons; third, Van Patten.

Champion boar—Briggs & Son.

Champion sow any age—Van Patten.

Boar and three sows over 12 months—First, Van Patten; second, McFarland Bros.; third, Briggs & Son.

Boar and three sows under 12 months—First, Briggs & Son; second, McFarland Bros.; third, Trone & Sons.

Four pigs under 6 months, produce of same sow—First, Folgate; second, Briggs & Son; third, Harned.

Four pigs get of sire, bred by exhibitor—First, Van Patten; second, Folgate; third, Briggs & Son.

#### Ohio Improved Chester Whites.

Exhibitors: Alvey Bros., Argentine, Kans.; W. A. Crouch, Turney, Mo.; G. S. Lawson, Raywood, Mo.; Wood Bros., Franklin, Ind.; O. L. Kerr, Independence, Mo.; Croco Bros., Olathe, Kans.; L. L. Frost, Mirable, Mo.; G. W. Sackman, Mirable, Mo.

Judge: B. J. Hargan, Glencoe, Okla.

Boar 2 years or over—First, Croach; second, Alvey Bros.; third, Alvey Bros.

Boar 1 year and under 2—First, Kerr.

Boar 6 months and under 12—First, Alvey Bros.; second, Croco Bros.; third, Crouch.

Boar under 6 months—First, Frost; second, Kerr; third, Sackman.

Sow 2 years or over—First, Alvey Bros.; second, Croach; third, Alvey Bros.

Sow 1 year and under 2—First, Kerr; second, Alvey Bros.

Sow 6 months and under 12—First, Frost; second, Frost; third, Kerr.

Sow under 6 months—First, Frost; second and third, Sackman.

Champion boar any age—Kerr.

Champion sow any age—Frost.

Boar and three sows over 1 year—First, Alvey Bros.



Grand Champion Shorthorn Bull, Ceremonious Archer, and Junior Champion Shorthorn Bull, Royal Wonder, both owned by F. W. Harding, Waukesha, Wis.

Boar and three sows under 1 year—First, Frost; second, Alvey Bros.; third, Crouch.

Boar and three sows under 1 year, bred by exhibitor—First, Frost; second, Sackman; third, Crouch.

Four pigs under 6 months, produce of one sow—First, Sackman; second, Kerr; third, Crouch.

Four swine, get of same boar, bred by exhibitor—First, Alvey Bros.; second, Sackman; third, Kerr.

#### Angora Goats.

Exhibitors: Mrs. M. Armer, Kingston, N. M.; C. P. Bailey & Sons, San Jose, Cal.; Dr. W. C. Bailey, Kansas City, Mo.; Geo. H. Baldwin, Mendon, Ill.; Q. N. Beck, Bear Grove, Iowa; A. E. Burleigh, Knox City, Mo.; J. E. Caldwell, Collins, Mo.; Carr Wyatt, Collins, Iowa; John W. Coghill, Roseville, Ill.; E. P. Coghill, Hancock, Md.; Craig Bros., Macleay, Oregon; Lee Emerick, Lone Tree, Mo.; J. J. Gentry, Montell, Texas; U. S. Grant, Dallas, Oregon; N. A. Gwin, Lawrence, Kans.; O. D. Hanger, Lamar, Mo.; R. C. Johnston, Lawrence, Kans.; A. Kemble, Muscatine, Iowa; J. R. Kinsinger, Kingston, N. M.; A. J. Knollin, Kansas City, Mo.; F. O. Landrom, Laguna, Texas; E. D. Ludlo & Co., Lake Valley, N. M.; J. M. Stewart, Lewistown, Ill.; C. D. Taylor, Macon, Mo.; D. C. Taylor, Lake Valley, N. M.; J. W. Troutman & Son, Comiskey, Kans.; T. E. Wedgwood, Kingston, N. M.; Gus Weber, Ruble, Mo.; Willey & Courtney, Lawrence, Kans.; A. W. Winzenburg & Sons, Sedalia, Mo.; E. Witt & Sons, Montell, Texas; L. & P. Witt, Montell, Texas.

Judge: Prof. Geo. F. Thompson, U. S. Department of Agriculture, Washington, D. C.

Best buck, 2 years and over—First, Wedgwood; second, C. D. Taylor; third, Ludlow & Co.; fourth, Bailey & Sons.

Best buck 1 year and under—First, Landrum; second, Ludlow & Co.; third, Craig Bros.; fourth, Armer.

Best buck kid under 1 year—First, Craig Bros.; second, Landrum; third, Gwin; fourth, Wedgwood.

Best doe 2 years and over—First, L. & P. Witt; second, Armer; third, C. D. Taylor; fourth, Witt & Sons.

Best doe 1 year and under—First, Landrum; second, Craig Bros.; third, Ludlow; fourth, Gwin.

Best 5 does 2 years and over—First, Armer; second, Ludlow & Co.; third, Witt & Sons; fourth, E. C. Taylor.

Best five does 1 year and under 2—First, Gwin; second, D. C. Taylor; third, Witt & Sons; fourth, Ludlow & Co.

Five doe kids under 1 year—First, Witt & Sons; second, Gwin; third, Ludlow & Co.; fourth, Wedgwood.

Five Angora wethers—First, A. E. Burleigh.

Best display one buck, two does and two kids—First, Armer; second, L. & P. Witt; third, Gwin; fourth, C. D. Taylor.

Best display of Angora wethers, mohair and Angora venison to be basis considered—First, Burleigh.

Best buck any age—Landrum.

Best doe any age—Landrum.

#### Sheep.

Judge: Prof. C. F. Curtice, Ames, Iowa.

#### COTSWOLDS.

Exhibitors: F. W. Harding, Waukesha, Wis.; Lewis Bros., Camp Point, Ill.

Ram 2 years or over—First, Lewis Bros.; second, Harding.

Ram 1 year and under 2—First, Harding; second and third, Lewis Bros.

Ram lamb under 1 year—First and second, Harding; third and fourth, Lewis Bros.

Ewe 2 years and over—First, Harding; second and third, Lewis Bros.

Ewe 1 year and under 2—First, Harding; second and third, Lewis Bros.

Ewe lamb 1 year—First and second, Harding; third and fourth, Lewis Bros.

Flocks, one ram any age; one ewe 2 years old; one ewe 1 year old and under 2; one ewe lamb under 1 year—First, Harding; second, Lewis Bros.

Championship ram any age—Harding.

Championship ewe any age—Harding.

#### RAMBOUILLETS.

Exhibitors: F. W. Harding, Waukesha, Wis.; Lincoln Bros.

Ram 2 years and over—First, Harding; second, Lincoln Bros.; third, Lincoln Bros.; fourth, Harding.

Ram lamb under 1 year—First, Lincoln Bros.; second, Lincoln Bros.; third, Harding; fourth, Harding.

Ewe 2 years or over—First, Harding;

# Army

## Life Caused Chronic Headaches

## Stomach Trouble All His Life

## Dr. Miles' Anti-Pain Pills Cured Him of Both

As is very frequently found the stomach trouble and headache in the following case came from the same cause. Dr. Miles' Anti-Pain Pills, like all of Dr. Miles' Remedies, are designed to cure the disease, not the symptoms. This readily explains why these sterling medicines can cure such a variety of diseases. There is no remedy, formula or prescription which in any way equals Dr. Miles' Anti-Pain Pills for the speedy cure and relief of headache and kindred ailments.

"Up to the age of twenty-three my son was greatly troubled with severe pains in the stomach. After he had served his term of enlistment with the army in the Philippines he came home and was unfit for anything because of terrible headaches. He found that Dr. Miles' Anti-Pain Pills not only relieved him of the headaches, but would prevent an attack if taken in time. He continued their use for some time and to his surprise and delight he found they had cured the stomach trouble also. You may imagine how grateful both he and myself feel to you for the good the Anti-Pain Pills have done him. I may add that I have used your medicines in our family for many years and keep a bottle of Nerveine in the house all the time. I think it an ideal household remedy and all the remedies are just what you recommend them to be. You have my permission to publish this."—Mrs. M. L. Farrar, Walla Walla, Wash.

All druggists sell and guarantee Dr. Miles' Anti-Pain Pills. They are non-laxative; contain no opiates, never sold in bulk, 25 doses, 25 cents. Dr. Miles Medical Co., Elkhart, Ind.

## \$150 PER MONTH AND EXPENSES

Salary or Commission—Introducing our King Butter Separator. Produces best grade of butter from cream or milk, sweet or sour, in less than 5 minutes. Write for our free sample and salary proposition. Curless-Williams Co., Dept. 31, Chicago, Ill.

## MODEL BLUE GRASS FARM HEREFORDS

STOCK FOR SALE. OVERTON HARRIS, - HARRIS, MO.

## Registered Herefords.

FOR SALE—16 Bulls, from 10 to 24 months old; 25 Heifers, sired by Imp. Lynhales Prince 78032 and bred to Diplomacy 120175; 18 Heifers, from 10 to 20 months old.

THOMAS EVANS, - HARTFORD, KANS.

## RED POLLED CATTLE

The best farmers' cow that lives. The oldest herd in Kansas. Always something for sale. D. F. Van Buskirk, Blue Mound, Kansas.

## HEIFERS FOR SALE.

Eight nicely bred Shorthorn heifers, three coming 3 years, and are due to calve next spring; five coming 2. Will price them at a bargain for want of room. Young bulls for sale. Address

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

## Boars For Sale

POLAND-CHINAS of February and March farrow, sired by B. F. Tecumseh 68087 A 3081 S, and out of aged sows. These are large, lengthy, and heavy boned pigs, with good, black coats and white points. Have been handled so as to give the best of service. If you want satisfaction, come and see them or write, describing just what you want.

I. R. MOORE, Valley Center, Kansas

## HONEY

For Kansas, Missouri and Oklahoma.

Two cans, 120 pounds net—amber, \$7.50; white, \$9.00. Also small cans, all sizes. Comb honey in one-pound sections, 11 to 13c. See price list. Nothing but genuine bees' honey. (Reference, Kansas Farmer Co.) Address

Arkansas Valley Apiaries, Check & Wallinger, Las Animas, Colo.

## HEAT YOUR HOUSE WITH A Compound Radiator Furnace.



It will save one-third of the fuel, keep all of the dust and ashes in the cellar, keep the floor warm and all of the rooms an even heat, the same as summer. Will burn four-foot wood, coals or any kind of coal. Any handy man can set it up and connect the pipes in two days in an ordinary house. Price with galvanized lining, all complete, less than a good stove. Send for catalogue. Address—

The Iowa Grinder & Steamer Works, Waterloo, Iowa.

(Continued on page 1112.)



## The Young Folks.

CONDUCTED BY RUTH COWGILL.

### THE MAGIC OF A WHISTLE.

I have heard his boyish whistle in the dark and dewey gloam  
As he trudged across the meadows, as he drove the cattle home.  
I have heard him trill a measure with the cadence of a lark,  
And his boyish reason for it is: "It frightens off the dark."  
Oft there seems a something lurking in the tall-grown plots of grass,  
And his blood runs cold at thinking it may grab him should he pass.  
But he knows fear can not linger in a brain for very long  
If two lips are pursed for whistling and a heart is tuned to song.

Though the eerie shadows hover and the clouds shut out the stars,  
Up the pasture path he whistles, whistles taking down the bars;  
And the tune he pipes would surely any tired heart regale,  
When he times it to the splashing in the frothed-o'er milking pail.  
All the shadows, all the darkness grows affrighted at the joy  
And the happiness that bubbles from the glad heart of a boy.  
While Fear's pickets rout and scatter 'fore the hosts of Courage strong,  
If two lips are pursed for whistling and a heart is tuned to song.

In my worldly walks of living, in my struggles after self,  
His philosophy of courage I have taken to myself.  
When the clouds of care and trouble veil the blessed star of Hope,  
And Misfortune waits to grab me as along the path I grope,  
When beset by fear I falter; see of light no feeble spark,  
Then his boyish plan I welcome "for to frighten off the dark."  
And I reach my hopes' bright haven, since one can not wander wrong  
If two lips are pursed for whistling and a heart is tuned to song.  
—Roy Farrell Greene, in the Detroit Free Press.

### WHEN A FELLER'S IN TROUBLE.

When a feller's in trouble, I tell you,  
An' life ain't got nothin' to bring,  
It's comfort he'll find  
Ef he'll make up his mind  
Jest for to whistle or sing!  
(Yit, still that's a hope whar it's trouble to cling,  
Kaze some folks can't whistle, an' others can't sing!)

When he shakes an' he shivers in winter  
Let him think o' the roses o' spring;  
When the blizzard is heard  
Let him chirp like a bird—  
A bird that kin whistle an' sing!  
(Yit, still to that hope it is trouble to cling,  
Kaze some folks can't whistle an' some folks can't sing!)

—Atlanta Constitution.

### Success—A Sermonette.

What is success? "The accomplishment of what is desired or attempted," so says the dictionary. In general, when we speak of a man as "successful" we mean that he has made himself felt in the world—in his community—somewhere. He has accomplished something that seems to other people worth while. And for this accomplishment the world—his world—does him honor. It is a great thing to succeed. If men did not succeed the world would be a sorry place, indeed I fear we should not be far behind the brutes and beasts of burden, if men did not often succeed. Every man who is successful is a benefit to the world, and it is but just and right that the world should bow to him. All honor to the man who succeeds.

And yet—sometimes the world makes a mistake. Once in a while failure is called success, and once in a while a real success is called failure. Sometimes a man "succeeds" dishonestly or at the expense of his neighbor, or at the sacrifice of his own finer parts. Then is his "success" indeed a failure. He has lost the best things of this world—to gain what is but paltry and mean and cheap without them. For of what use are great acres of land that do not feed the hungry? What comfort in many dollars without the zest to enjoy what they can buy? What pleasure in "success" without the love and respect of your neighbor? What success in the failure to find happiness?

But sometimes a man fails to grasp what he reaches for. Perhaps he is too proud to soil his hands with dishonest gain; perhaps he is too gentle to selfishly hurt a single living thing; perhaps he knows that a cultivated, broadly thinking mind can show him pleasures that money can not buy.

It may be that for these reasons he has missed a great fortune or the high political honor has eluded him, and the world—his acquaintances and neighbors—may call it a failure. But you

and I know, and he knows, that he has made a success. He has succeeded in maintaining what is dearer to him than money or office, his own self-respect.

Success is accomplishment of what one desires—if that desire proves to be worth while when it is attained.

W-o-r-k spells success. Some one has said that genius is an infinite capacity for taking pains, and success is the visible mark of genius.

There is no one in this great broad free Western world who can not succeed. It only requires the will and the determination. "Nothing is impossible," the words struck me as a superlative when I read them, but now I know they are no fairy story. Anything, in the way of achievement, can be accomplished, with brain and brawn.

The first thing to be set about is the absolute control of one's self. The ability to make the body do the behest of the mind, the suppression of vagrant impulses, the training of the will to obey the commands of reason—this is self-control. And this is the great requisite for success.

The one thing needful for a successful life is—a man. A strong man can do anything. Other men are but men. President Roosevelt is only a man. Thomas Edison, though we call him the "Wizard," is really only a man. Carnegie never was anything but a man. Every great and successful career has a man back of it—simply and only a man. You who say that you believe "all men are created equal"—who are you to hang back, and say "I can't"?

### In the Land of the Moki.

A subject of unfailing interest to Americans is the people, our predecessors, who were lords of this continent before the conquering white man put his foot upon it. Their descendants still dwell here with us, in part changed, for better or worse, by the influences of civilization. But in various out-of-the-way corners of the country, some of them live, apparently untouched by the march of the years. Such are the Mokis, whose ways of life and habits are described most interestingly by Olin D. Wheeler, in the magazine, "Opportunity."

Under the burning sun of New Mexico and Arizona exists a race interesting alike to the ethnologist or the ordinary but intelligent observer. Perched high up on the jagged, wind-beaten mesas which are so prominent a feature of their country, or snuggling in the baked valleys by the side of sluggish and shallow water courses, or near never-falling springs, they live their uneventful, unobtrusive lives. They are born, they live, they die where for countless years before them their ancestors lived and died, and they cling with unyielding pertinacity to these rocks and plains, made ever memorable to them by the traditions of their forefathers. Such are the cliff dwellers, using the word in a descriptive sense only.

There are Indians and Indians, and the mild and peaceful Pueblo of the Southwest is a species strongly differentiated from the genus Indian in general. To one familiar with the life, customs and physique of the plains or mountain Indian, the staid, inoffensive, semi-civilized, and town-dwelling Pueblo, seems a strange interjection among the wild roving Indian Nations.

In the winter of 1874 and 1875, long before there was a railroad within hundreds of miles of them, with one companion I left the Nation's capital bound for the Moki villages. By rail and stage we safely reached Santa Fe. Here we hired a cook and two teamsters and their outfits, and journeyed two hundred miles farther west to Fort Wingate. Discharging our teamsters there, the remaining three slowly toiled on the rest of the way, a journey of a week's duration, with two heavily loaded army wagons provided by the Government. The object of this trip was trade and barter, we obtaining a fine collection of wares and pottery of all sorts, food, articles of domestic and agricultural use, samples of wearing apparel, etc., for the

Centennial Exposition, and giving in return many things that were useful to them, in some cases almost unknown to the Indians. We lived among these people for three weeks, a very busy set of men. \* \* \* \* \*

As we started from the agency there were seven of us exclusive of the Mokis. Jack and myself from the East, our cook from Santa Fe, the two army teamsters, an assistant who joined us at Fort Defiance, and the trader at the agency, Billy Keam, who went with us as interpreter. The latter spoke the Navajo and Moki languages fluently, and he and his brother at Fort Defiance, seventy-five miles eastward, both possessed great influence among all the Indians of the region, and he was therefore an invaluable man to us.

Our route for the first few miles followed the devious courses of the canyon to the west. While the canyon was a shallow one, its walls rose sufficiently high to shut off all outlook except straight ahead, as we wound down its funnel-like length. When we arrived at the mouth an extended view opened before us. The abrupt cliffs of the bed of rock through which the canyon had cut its way extended in sinuous profile far to the north and south, bounding a wide and nearly level plain which stretched to the south beyond the ability of the eye to follow, and to the north for more than half a score of miles. Gazing straight ahead to the west across a space of seven or eight miles the view was terminated by another and higher line of cliffs, which in a direction a little north of west ended in a clean-cut, commanding salient. The top of this salient and the cliffs for a distance back of it were of an irregular, notched appearance, and these notches, we were informed, indicated the nearest villages of the Moki.

When we had progressed midway into the plain and reached a somewhat broken stretch of ground, we saw the Mokis, who were in advance of us, halt and dismount from their burros. The noon hour had arrived and luncheon was to be served. We likewise halted and the cook set about preparing our dinner. While it was cooking I had an opportunity of investigating the Moki bill of fare. It was a cold lunch and seemed to consist almost wholly of their corn-meal bread, called "wyavi," or "pi-ki." It bore a curious appearance, being made in rolls or sticks twelve to fifteen inches in length and perhaps an inch or more in diameter. Each roll was made of several thin layers wrapped around each other and was very brittle. Some rolls were yellow, some blue, others white and still others red. I ate some of it, and while it tasted very flat, yet it was not repulsive. It would require a cultivated taste to relish it. I afterwards witnessed the process of making it. The Mokis raise corn of the four—or even more—colors indicated, red, white, blue, and yellow, and one can see it hanging from the rafters of their houses in heavy bunches and festoons, and stored in interior store-rooms, in large quantities. A famine in this region once upon a time, so tradition runs, taught them to keep on hand a two-years' supply of corn and other food, to guard against future failures of crops.

Much of the corn is ground into meal and when "pi-ki" is to be made, the meal is converted into a very thin mush. In the fireplace a long, narrow, flat stone is placed upon stone supports at each end, and, with fire underneath, is thoroughly heated. A woman then scoops up with the hand a handful of the mush and smears it lengthwise over the stone and it is cooked in an instant into long, thin, crisp, wafer-like sheets. A number of the sheets are then rolled together, as the cooking progresses, and the pi-ki is ready to be eaten.

Our meal ended, we resumed our progress, and in the latter part of the afternoon drew near to the cliffs. They loomed up 600 to 800 feet above the valley, in most places nearly, in many places quite, vertical. The ground over which we advanced grew more sandy and changed to an up grade as well, compelling frequent halts to rest the mules. The three villages before

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us now stood out plainly in silhouette against the sky and easily revealed the safety afforded their people from their enemies in cases of friction with neighboring tribes. It can hardly be doubted that this fact was the important reason that caused them to be so placed. Their farms and orchards are in the valley below; the springs which form their main supply of water, burst forth at the base of the mesa; the fuel which supplies their fires is ten or fifteen miles away, and after being brought across the valley has to be carried to the top of the precipitous mesa on the backs of donkeys or men. What argument of convenience or of political economy, even of an Indian, existed for building their habitations on these rocky heights, when, besides the foregoing, constituting good reasons for not doing so, the stone necessary for building purposes lay scattered about, ready to their hands, at the base of the palisades? What reason, indeed, save the all-important one to them in the centuries gone by, of practically absolute impregnability against the enemies with whom they might be forced to contend? A small body of determined men fighting for life, families and homes could hold those heights against a large body of besiegers armed with bows and arrows, and inflict great damage upon them.

We soon reached the spot chosen for bivouac, and, unhitching the mules, placed them in charge of a Moki herder and saw them go forth to graze until nightfall. The eastern wall of the mesa towered imposingly above us 600 feet or more. Near the end of the mesa the walls fell a sheer precipice for about one-half the distance, the remainder being a more or less abrupt talus of sand plentifully mixed with spawls of rock fallen from the cliff. All along this talus were rudely constructed stone corrals into which the Mokis drove their sheep every night. These corrals were but loosely built stone walls two and three feet high, square or rectangular in shape, of various sizes, conforming to the nature of the ground and with the entrances roughly closed at night. Built on sloping ground they answered well the purpose of confining the sheep that had little inclination to jump their walls to roam at large on the sandy wastes below them and possibly fall a prey to prowling coyotes.

At other places the cliff wall led down abruptly into huge, rounded hills.



lows of sand, very difficult to walk over. At many sheltered angles small springs issued forth, and at these points there were numerous peach-trees. This fruit the Mokis used both in a green and dried state, and a few pounds of the latter made a welcome addition to our meagre bill of fare. At various points trails were visible leading to the villages above. Many of them were used almost exclusively by the people, being very steep and not infrequently having steps cut out of the solid rock, and again, having steps made from loose rocks and built into the trail at such places as were necessary.

#### What Two Great Generals Have Said About the Mighty West.

1783—GENERAL GEORGE WASHINGTON.

"Prompted by these actual observations, I could not help taking a more extensive view of the vast inland navigation of these United States and could not but be struck with the immense extent and importance of it, and with the goodness of that Providence, which has dealt its favors to us with so profuse a hand. Would to God we may have wisdom enough to improve them. I shall not rest contented, till I have explored the western country, and traversed those lines, or a great part of them, which have given bounds to a new empire."

1903—GENERAL NELSON A. MILES.

"It was my good fortune to witness the transformation of the mighty West. I have viewed much of it on horseback and have traversed the zones now occupied by the Canadian, the Great Northern, the Northern Pacific, the Rio Grande and Oregon Short Line, the Union and Central Pacific, the Santa Fe route and the Southern Pacific. I have seen the pioneer and the home-builder supplant the savage and the lawless. In my recent journeys across the continent I was more than ever impressed with the underlying wisdom and tranquil virility of the people. They do not want war; they want peace. I have traveled far in foreign lands and observed the people of many countries. I have had excellent opportunities to know the people of my own country and am gratified to say that a more intelligent, thoughtful, patriotic people can not be found on the face of the globe than the people of our western States and Territories. There you find the true American independence and enterprise. An American citizen with eighty or 160 acres of land is loyal to democratic government, and he is a very independent sovereign. The rough, wild, tough element has been replaced by the mine and mill owner, the herdsman and the agriculturist.

"While in thirty years the transformation of the great West has been marvelous, there is yet ample room for millions who may be seeking homes. There are nearly as many people crowded into the Philippine Islands, an area not as large as one of our western territories, as the number that are now living in nearly one-half of the western portion of the United States, while the State of Texas alone, richly stored with the products that have made this country rich and prosperous, could accommodate all the people of the United States and ten millions more without being so much crowded as some of the eastern States are now.

"We are not a meddlesome, warring nation. When war comes the war spirit will respond, and the brave, patriotic American soldiers will make it effective. But the spirit of peace should be cultivated rather than the demon of carnage. There is no necessity to stir the passions of Americans in order to be sure that they will be patriotic. They love and appreciate their liberties and will maintain and defend them against all enemies."

#### Another Indian Tale.

"I was a clerk in the trader's store at the Pawnee agency for three or four years," said a Detroit grocer the other day, "and of course I had a good chance to study the Indian. There was a chief named Leaning Tree who never

smiled nor laughed. He had no curiosity. He had no interest in anything belonging to the white man—not even whisky. He was the nearest thing to a stone man you could find, and his imperubility vexed me. I made up my mind one day to arouse him or perish. The chief used to come down to the store every morning and sit on an empty barrel on the porch. I put half a pound of powder under that barrel, and one summer's morning Leaning Tree took up his usual roost. I waited about fifteen minutes and then fired the fuse. Ten minutes later there was an explosion that sent the chief twenty feet high and ten rods away, and of course there was a rush from every side to learn what had happened. The old chap must have felt his hair curl and being greatly mystified, he got up without the slightest loss of dignity, and when asked to explain he struck his breast and cried:

"Heap lightning—heap strike—heap go up, but no heap hurt me! Let more thunder come!"

"His dignity was a good thing for me," said the former trader. "There was an investigation, and they would have made it hot for me, but when the officers questioned Leaning Tree he proudly answered:

"No powder—no blow up. Lightning—thunder—earthquake—big wind. But was I a child to be afraid? Barrel—humph. Powder—humph!"—Detroit Free Press.

#### Jefferson's Ten Rules.

Never put off until to-morrow what you can do to-day.

Never trouble another for what you can do yourself.

Never spend money before you have earned it.

Never buy what you don't want because it is cheap.

Pride costs more than hunger, thirst, and cold.

We seldom repent of having eaten too little.

Nothing is troublesome that we do willingly.

How much pain the evils have cost us that have never happened!

Take things always by the smooth handle.

When angry count ten before you speak; if very angry, count a hundred.

#### Three Things.

Three things to govern—temper, tongue, and conduct.

Three things to love—courage, gentleness, and affection.

Three things to hate—cruelty, arrogance, and affectation.

Three things to delight in—frankness, freedom, and beauty.

Three things to wish for—health, friends, and a cheerful spirit.

Three things to avoid—idleness, loquacity, and flippant jesting.

Three things to fight for—honor, home, and country.

Three things to admire—power, dignity, and gracefulness.

Three things to think about—life, death, and eternity.—Workers' Call.

#### Elementary School Physiology.

The St. James' Gazette publishes the following brief essay by a Board School child of twelve on the "Human Body":

"The human body is divided into three parts—the head, the chest and the tummy.

"The head contains the eyes, ears, nose, mouth, and brains, if any.

"The chest contains the heart, lungs, and part of the liver.

"The tummy is entirely devoted to the vowels, of which there are five, namely, a, e, i, o, u, and sometimes y and z."

The council of the Cherokee Nation has decided to erect a monument to mark the grave of George Lowrey, who played an important part in the affairs of the Nation from 1790 to 1850, or thereabouts. Lowrey served as captain of horse under Andrew Jackson throughout the war of 1812, and he and his Cherokees fought for the Government in subsequent Indian wars.

We can't help the past, but we can look out for the future.

#### For the Little Ones

##### GETTING READY FOR WINTER.

In the wood brown nuts are falling;  
From the vale is heard the calling  
Of the quail;  
In the hedge row sits the rabbit,  
Happy he of patient habit—  
Cotton-tail.

To the southward winging weary,  
Thro' the sky o'ercast and dreary,  
Flies the crow;  
And the red squirrel from his station,  
Which he deems safe elevation,  
Peeps below.

Now the busy bee thinks funny,  
That he can't get any honey;  
Stupid bee!  
What he's gathered from the clover,  
It will last 'till winter's over;  
Lucky he!

From the corn-field comes the merry  
Voices of Tom, Dick, and Jerry,  
Husking corn;  
While they wait for echoes rhyming  
Of that dear old welcome chiming  
Dinner horn.

Days of sad, regretful dreaming;  
Nights when stars are brightest gleaming  
In the sky,  
And e'en now the small boy's sighing  
For the snow which will be flying,  
By and by.

##### In the Haymow.

The children were playing up in the haymow one day. They were having, oh, the loveliest time! Henry would go off to some far corner and hide, covering himself all over with hay. Then Helen would go peering about trying to find him. Sometimes she found him soon, and sometimes it took a long time. Once he jumped up and said, "Booh!" just when she was coming straight toward him, and she tumbled over in the hay, and they both laughed so that they could not stand up.

Then Helen said "It is my time to hide, now, Henry. You cover your eyes."

So Henry covered his eyes, and while he was counting ten Helen slid down into the manger below.

"Oh! Oh! Oh!" she cried, and Henry ran and came sliding down after her to see what had happened. And then he cried, "Oh!" too. For what do you think? The old hen had made a nest in the manger, and laid her eggs there, and Helen had fallen directly upon them and of course they were all broken. The old hen who had been sitting there few squaking away, and the horse at the other manger looked at them in surprise at the commotion. Mother came running down from the house to see what was the trouble and when she saw Helen and Henry sitting in a nest of broken eggs, she laughed like the jolly mother she was.

"Anyway, we found old Topsy's nest," said Helen, as she climbed over the edge of the manger.

"Yes, and I found your hiding-place," said Henry.

"And I found two eggie children who need a bath," said mama.

And they all ran a race to the house.

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## The Home Circle.

CONDUCTED BY RUTH COWGILL.

### ANSWER TO "A WOMAN'S QUESTION."

[The poem, "A Woman's Question," was published in the Kansas Farmer some time ago. The authorship of this poem is unknown.]

I know full well just what I have asked for—

A hand and heart all my own to possess;

A life to live with my own so completely

That when ending, both may look back and bless.

"Like a boy," do you say I have sought these?

Ah! no, 'twas a man with a boy's truth;

'Twas the act of one who loved but you only.

Since the halcyon days of his guileless youth.

I did not write your lessons out, no! no!

I looked upon the solid work of life;

I knew that love was a changeable thing,

But is rarely lost by a loving wife.

"My soul as pure as God's own stars,"

alas!

I feel your standard is too high for me;

I am but human with a human's faults,

And can not soar far up toward heaven like thee.

But true I can be, and faithful to thee;

Loyal, steady, tender in everything;

And by your measure, if weighed and valued,

Would be in stature a "man and a king."

A man to protect, love, and defend you,

A king to preside o'er the realm of home,

Which your own dear self should render blissful,

And leave no desire for the king to roam.

The rose in your cheek may wither and fade,

And dimmer may grow the light in your eye,

But my love will remain, if thine remaineth.

Until the hour the first of us shall die.

Like the depth of the ocean in my own heart,

In its great strength and wealth of love for thee;

The world's rough gales may roar around it,

But they will find no change or loss in me.

A "laundress and cook," did you say?

Ah me!

That you should suspect me of a thought so base;

When a wealth of love was cast at your feet.

And a life made happy or not by your grace.

#### Time Economy.

If we could only gather up the wasted moments at the end of the day, how many hours we should have for rest and recreation! In Home and Flowers, Martha Van Reneselaer says:

"Cooking, sewing and housework generally have been simplified with the introduction of utensils and labor-saving devices found in the kitchen, and it remains to keep the entire machinery simplified in order not to add more unnecessary work than has been saved in other ways.

"Much thought is required in household duties in order to gain time. Some persons can do a great deal more in a day because of the habit of thoughtful attention to duties making the 'head save the heels,' to use a very trite expression, but one full of philosophy.

"I know one who puts herself to sleep when sleep is not otherwise easily induced by imagining herself possessed of a good sum of money and deciding how she will spend it. It might be a good mental gymnastic to imagine one's self possessed of a good margin of time each day and deciding how to use it outside of regular and necessary duties. Unlike the question of the little fortune to spend, it is altogether possible for everyone to acquire the margin of time. Busy as we become in our daily duties the time is there and if we help ourselves to a little share of it, there will still be time left for the pressing affairs of life.

"We are doubtless, many of us, more careful to save and put away a little money from time to time, than we are to appropriate for real living purposes a margin of time. May we not put time out at interest for an emergency by using it to acquire physical or mental strength, knowledge or power? It is true there are those who never seem to be able to save a minute in the busy routine of housework, but even for these we would recommend the giving of a tenth of the active hours of the day. It would be interesting to know how diverse would be the ways

of using this fraction of time, so different are temperaments and desires. The point is not merely to use it as suits our fancy necessarily, but in a way to yield large returns. The one who is saving a margin of the yearly income endeavors to invest the amount where it will yield a good interest. The same must be done with the time saved. There is an oft-quoted maxim which should rouse us to the sense of this value of time:

"Lost somewhere between sunrise and sunset two golden hours, each set with sixty diamond minutes. No reward is offered, for they are lost forever."

"Most of us are aware that each day we simply lose time by injudicious planning, or by trifling.

"It is a common expression—I do not see where all the time has gone.' This may not be because the time is not wisely spent, but because it is filled with details which seem to count for naught. This is peculiarly true in housework and is exasperating to many women. However, without the performance of details, that same housework would be quite a failure.

"But let us grasp an hour, or even a few moments, a day, and devote it to that which will yield a rich return."

#### Rules for Pickling.

Green vegetables or fruit should be used as soon as possible after the picking, as wilting results from standing, and though placing in water may help, it will not restore the first freshness.

Use only the best and purest vinegar. The best is the real (not imitation) white-wine variety; the next best is pure cider vinegar.

Use saucepans and kettles lined with porcelain or agate ware. If you haven't these, use a gallon-sized stone jar, placed in a kettle of boiling water over a moderate fire.

Never use brass or copper when making pickles. Have wooden or agate forks and spoons for handling, pure spice, and if a small amount of alum is added to the vinegar it will make the pickles more crisp and tender and is harmless. When done, they should be placed in glass or stone jars; if the latter, a plate and weight should be placed on the pickles to hold them under the vinegar.

Nasturtium, grape or horse-radish leaves will add to the color of green pickles and prevent mold.

If glass jars are used, fill them up to the neck of the jar with vinegar before sealing. Scum or froth is caused by weak vinegar, often from an excess of water in the vegetables or fruits pickled. Upon its first appearance the vinegar should be drained off, the pickles thoroughly washed in clear water and dried with a towel; the vinegar reheated and skimmed until no froth rises, or fresh vinegar used.

Turn the vinegar while hot over the pickles, add a few bits of horse-radish root or fresh leaves, and set them away. When pickles soften, the vinegar is either too strong or too weak; the presence or absence of the white scum will determine which.

Ginger, mustard, and celery seed are the most wholesome spices for pickles, cloves the strongest, then allspice, cinnamon, mace, etc.

A general rule for sweet pickles is to allow three pounds of sugar and a pint of vinegar to each seven pounds of fruit. Then spice to taste.—Exchange.

#### Something Appetizing.

##### SALAD ROLLS.

Two cups of scalded milk, one-fourth cup of butter, two tablespoonfuls sugar, one teaspoonful salt, one yeast cake, flour. Dissolve a fresh yeast cake in a little cold water. Pour the hot milk, which has been scalded in order to sterilize it, and thus lessen the possibility of its turning sour, into a bowl with the butter, sugar and salt. When lukewarm, add the dissolved yeast cake. Add three cups of flour and beat until full of bubbles. Add enough more flour to knead the dough (about 2½ cups). Put the dough on a floured board and knead until light and elastic. Put the dough into a bowl twice its size. Cover and let stand

in a warm place on the back of the stove, but not where there is any fire. When the dough has doubled its bulk, turn it out upon the board, and knead again until fine grained. Shape into small biscuits. Place them close together in a buttered pan, cover them and let rise again. Bake fifteen or twenty minutes in a hot oven.—What to Eat.

##### OMELET WITH PEPPERS.

Beat separately the whites and yolks of five eggs. Put them together, season with salt, flavor with a teaspoonful of onion juice, and add half a cupful of green peppers which have been chopped and fried in a little butter. Cook in a hot buttered omelet pan.

##### PICKLED CAULIFLOWER.

Pickled cauliflower makes an appetizing luncheon or supper relish. Cut a cauliflower head into sprigs, put them into boiling salted water and boil for ten minutes. Then strain and pack them with a few whole cloves into the bottom of a jar. Let them stand over night. The next day heat a cupful of vinegar to the boiling point, season with a teaspoonful of English mustard and turn it over the vegetable. There should be vinegar enough to cover it. Cover the jar tight and leave it for four or five days.

##### CORN FRITTERS.

Select young, tender, fresh ears, silk them well, score them by passing a keen knife through each row of kernels, and with a blunt knife press down the kernels so as to extract the pulp without the hull, which remains on the ear. It is always a mistake to grate corn, as the hull is then mingled with the pulp. Add salt, pepper and the yolks of two eggs to the pulp of a dozen ears of corn, and stir in half a pound of flour sifted with one teaspoonful of baking powder. Add finally a cup of milk and fold in the whites of the eggs beaten to a stiff froth. Drop the batter by the tablespoonful into a kettle of steaming hot fat, and turn them as they brown from one side to the other, being careful not to pierce them and let out the steam. Serve them very hot. Canned corn may be used in the same way.

##### CORN PUDDING.

For a medium sized corn pudding use the pulp of half a dozen ears of corn. Beat two eggs together, add half a teaspoonful of salt and one and a half cups of milk. Stir in the corn pulp and bake the whole for about two hours in an earthenware pudding dish. Some people add a tablespoonful of sugar to the eggs in stirring them with the other ingredients. The pudding is served on the dinner table with the meat as a vegetable, and is excellent.

#### What Exercise Should We Allow the Baby?

That greater care should be exercised in allowing babies the use of their limbs is demonstrated every day by the number of crooked-legged people to be seen. It is a cruelty to send a child out into the world deformed by someone's carelessness. A child has a right to a sound, well-shaped body as his birthright, and it affects greatly his happiness and his usefulness. Better a little too much care, a mite too cautious watchfulness, than that he be hampered through all the years of his life.

In Theory and Practice of Infant Feeding are a few words worth noting:

"For a time after birth the greatest relative strength is shown in the hands and arms, as one can easily verify by allowing the infant to grasp a finger and then trying to pull it away. At about three months the muscles of the neck have developed sufficiently to allow the infant to try and hold its head in a certain way. At the seventh or eighth month the muscles of the back have become strengthened so that the baby can sit up, and shortly after this the infant may be allowed to creep. There should be given free play for the the muscles of the arms and legs from the first, as muscular and bony development is thus encouraged. The bones of the legs thus grow and straighten out, but this will be interfered with if the baby is made to sustain the weight of the body too soon.

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out of an attack of

## Rheumatism or Neuralgia



Is to use

## St. Jacobs Oil

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The average baby should not be encouraged to stand before the twelfth month; efforts to walk may be begun from then on to the fifteenth and sixteenth months. When walking has been established, the legs should be straight. The chest develops rapidly, with enlargement of the pectoral and shoulder muscles, and its circumference usually equals that of the head by the end of the first year."

#### Expect the Best Things.

A habit of expecting good things to come to us and cultivation of the feeling that we were made not only to work, but also to enjoy, will bring inestimable blessings and sweetness into our lives.

Somewhat, we in America have conceived the idea that we were intended for work-machines, not pleasure-machines; that happiness is a side issue; that, if it happens to come to us, well and good; if not, it does not matter much, because it is not the real issue of life. An American youth is brought up with the idea that he is a sort of mechanism intended to turn out dollars, and that pleasure and happiness are incidental, and the result is that his capacity for enjoyment is never developed, except as he attempts to unfold a little from time to time after a hard day's work, often when he is totally unfitted for anything but absolute rest. Instead of regarding enjoyment as a duty, and looking upon it as playing a great part in life's program, he picks up his pleasure here and there, as if afraid it were wrong; and, instead of a clean, beautiful pattern, running through his life, he has a patchwork, a crazy-quilt of happiness and unhappiness, with very few happiness-blocks.

Man's natural instinct for constant enjoyment is shown in the fact that the severest toil, even slavery, or imprisonment, or approaching death, can not prevent him from seeing a joke, or from appreciating pleasant deeds or beautiful sights, if his mind is ready to see them and to enjoy them.

If you want to get the most out of life, just make up your mind that you were made to be happy, that you are a happiness-machine as well as a work-machine, and that no one shall rob you of real enjoyment, no matter what your environment, whether you are rich or poor, free or enslaved by circumstances.—O. S. Marden, in "Success."

#### Home Training for Boys.

Shall the training for home life be confined to the girls? There is much agitation over the necessity for training girls for domestic life and for motherhood. It is high time that the boy shall go into training to live intelligently in the home, and to assume his part of the burden wisely. While the mother's work may be that which is strongest and most observed in home-making, the master's supple-



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handsomer in case,  
and very—very  
reasonable in price.  
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ments and strengthens it, and is necessary for the completion of the home plan. Ignorant as many girls are of the principles of domestic life when they marry, girls are less strangers to their domestic responsibilities than boys. Boys are in many instances left to care for themselves. They have a manly pride for independence in the affairs which govern their physical welfare. Many, when they go away to school or to college, must shift for themselves, darn their own stockings, and get their own meals. While they may be the better off for this experience, they should learn how to live, and not sacrifice their physical welfare too much in their efforts for intellectual attainments. Their interest in camp life affords an opportunity for instruction in many lines which will be of value in home life. They will certainly become proficient in building a fire, though perhaps they may not acquire so much skill that, later in home life, they will long to get up early in the morning to be the first to build it. They will not be strangers to the preparing and cooking of meats after they have lived in camp.—Martha Van Rensselaer, in Home and Flowers.

## Club Department

### OFFICERS OF STATE FEDERATION OF WOMEN'S CLUBS.

President.....Mrs. Cora G. Lewis, Kinsley  
Vice-Pres.....Mrs. Kate E. Atlington, Council Grove  
Corresponding Sec'y.....Mrs. Eustice H. Brown, Olathe  
Recording Secretary.....Mrs. F. B. Hine, Kinsley  
Treasurer.....Mrs. J. T. Williams, Manhattan  
Auditor.....Mrs. D. W. Wilder, Hiawatha  
State Secretary for General Federation.....Mrs. C. C. Goddard, Leavenworth

### Our Club Roll.

Mutual Improvement Club, Carbondale, Osage County (1895).  
Give and Get Good Club, Berryton, Shawnee County (1902).  
Woman's Literary Club, Osborne, Os-Borne County (1902).  
Ladies' Reading Club, Darlington Township, Harvey County (1902).  
Woman's Club, Logan, Phillips County (1902).  
Domestic Science Club, Osage, Osage County (1888).  
Ladies' Crescent Club, Tully, Rawlins County (1902).  
Ladies' Social Society, No. 1, Minneapolis, Ottawa County (1888).  
Ladies' Social Society, No. 2, Minneapolis, Ottawa County (1889).  
Ladies' Social Society, No. 3, Minneapolis, Ottawa County (1891).  
Ladies' Social Society, No. 4, Minneapolis, Ottawa County (1897).  
Challitso Club, Highland Park, Shawnee County (1902).  
Cultus Club, Phillipsburg, Phillips County (1902).  
Literature Club, Ford, Ford County (1903).  
Sabean Club, Topeka, Shawnee County, R. R. No. 2 (1903).  
Star Valley Woman's Club, Iola, Allen County (1902).  
West Side Forestry Club, Topeka, Shawnee County, R. R. No. — (1903).  
Fortnight Club, Grant Township, Reno County (1903).

I have just received a letter from Mrs. Lewis, President of the State Federation of Women's Clubs, a part of which I am going to make public, because I know it will interest the readers of this column. Mrs. Lewis will forgive me, I am sure. She says: "Very few of the country clubs have joined the State Federation. We need them and I am so proud of our farmers' wives. I really confess to a desire to have the town women see how bright and sweet and interesting they are. I wish you would urge them in your paper to join and be a part and an important part of the great body of Kansas club women. Then we would like to have the favorite quotations of many of our country club women for

the "Book of Quotations," from the sale of which we hope to obtain money for the Traveling Art Galleries.

CORA G. LEWIS.

The Book of Quotations referred to is explained in the following, from a leaflet sent out by the Federation;

"The executive board purposes buying a collection of engravings, to be known as 'The State Federation Traveling Art Gallery.'

"The pictures are to be used by the clubs federated with the State."

"In order to procure the money necessary for the purchase of these pictures, the executive board will publish a 'Book of Quotations,' inviting the club women in the State to furnish their favorite quotations. Each woman will give with the quotation, the author, her own name and club, and \$1, receiving two copies of the book in return.

"If only one-seventh of the club women of the State will assist in this matter, the Traveling Art Gallery will be accomplished.

"The book is to be printed on fine paper and will be beautifully bound. "Every woman who is interested in the success of this undertaking will please send her name, quotation and money to the vice-president of the K. S. S. S., Mrs. Kate A. Aplington, Council Grove, Kans., as soon as possible, that the books may be ready to distribute before Christmas."

The book will be a very valuable one to have, and the extra one will make a beautiful gift to some book-loving friend at Christmas time.

## Grange Department.

"For the good of our order, our country, and mankind."

Conducted by E. W. Westgate, Manhattan, to whom all correspondence for this department should be addressed. Papers from Kansas Granges are especially solicited.

### NATIONAL GRANGE.

Master.....Aaron Jones, South Bend, Ind.  
Lecturer.....N. J. Bachelder, Concord, N. H.  
Secretary, John Trimble, 614 F St., Washington, D. C.

### KANSAS STATE GRANGE.

Master.....E. W. Westgate, Manhattan  
Overseer.....J. C. Lovett, Bucyrus  
Lecturer.....Ole Hieber, Olathe  
Steward.....R. C. Post, Spring Hill  
Assistant Steward.....W. E. Condit, Richland  
Chaplain.....Mrs. M. J. Ranage, Arkansas City  
Treasurer.....Wm. Henry, Olathe  
Secretary.....Geo. Black, Olathe  
Gate Keeper.....G. F. Kyner, Lone Elm  
Ceres.....Mrs. M. J. Allison, Lyndon  
Pomona.....Mrs. Ida E. Flier, Madison  
Flora.....Mrs. L. J. Lovett, Larned  
L. A. S.....Mrs. Lola Radcliff, Overbrook

### EXECUTIVE COMMITTEE.

Henry Rhoades.....Gardner  
J. T. Lincoln.....Olpe  
A. P. Beardon.....McLouth

The Western Passenger Association has united with other associations to give a one and one-third rate on railroads to the National Grange at Rochester, N. Y., November 11 to 19.

These rates are upon the certificate plan and tickets must not be purchased before November 7 and a certificate must be taken from the ticket agent at place of purchase.

E. W. WESTGATE.

### National Grange, Patrons of Husbandry.

The following is the program for the thirty-seventh annual session to be held in Rochester, New York, November 11 to 19, inclusive:

Public meeting, Tuesday evening, November 10, 8 o'clock.

Opening session, N. G., Wednesday, November 11, 11 a. m.

Conferring 6th degree, Wednesday, November 11, 8 p. m.

Conferring 7th degree, Thursday, November 12, 8 p. m.

Exhibition work, subordinate degrees, Friday evening, November 13, 8 o'clock.

All the business sessions of the National Grange, which convene at 10.30 a. m., 2 and 8 p. m., unless otherwise ordered, sit in the fourth degree, to which all fourth-degree members are cordially invited.

Election of officers for the biennial term will occur this session, and one member of the executive committee for the term of three years.

By order of the executive committee.  
C. J. BELL, Secretary.

The Shawnee County granges will hold a union meeting on Saturday, November 14, 1903, at 119 West Sixth

## Griswold Square Mesh Field Fence.



The best of all Lawn and Field Fences. Is hog proof. Manufactured in 18, 24, 33, 39, 50 and 56 inch heights; in 20 and 40 rod rolls. The narrow widths can be supplemented to any height desired by Barbed or Plain wire, or two strand twisted Cable wire. Manufacturers of Diamond Mesh Fence, Plain, Galvanized, Barbed or Telephone Wire. Wire Nails and Hay Bale Ties. Write for illustrated catalogues and price lists. Dillon-Griswold Wire Co., Sterling, Ill.

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Most perfectly adapted to wants of feeders. Feed goes twice as far and makes better beef. Our

### Giant Killer Triple Geared Feed Mill

is the fastest sweep mill made. Light running and grinds ear and shelled corn and all grains coarse or fine. Strong and durable.

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leads all others. Return draft, quick steaming, large capacity. Don't buy either mill or cooker without seeing our descriptive circulars. Write for them today.

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## Our 2 H. P. "Man of All Work" GASOLINE ENGINE \$60

Works all day for 25 cents. Comes complete with gasoline and water tanks, piping, batteries, spark coil and all fittings and connections, set up on base ready to run, movable from place to place. Pumping attachment is \$10 extra. A child can run it. No fire, danger, explosion. Simplest engine made. Cheapest power on earth. Made also in 3, 5 and 7 H. P. at proportionately low prices. Everyone fully guaranteed. Send for Gasoline Engine Catalog, free. O. L. CHASE MERCANTILE CO., Dept. K2, Kansas City, Mo.

avenue, Topeka. Officers of the State Grange have been invited to attend. Each of the four granges of the county will furnish a topic for discussion as follows: Oak Grange, Insurance; Muddy Creek Grange, How to Make Grange Meetings Interesting and Profitable for Young and Old; Berryton Grange, How to Extend the Order; Indian Creek Grange, How to Secure Better Attendance. This will be an all-day meeting with picnic basket dinner in the dining room of Topeka Post G. A. R. Hall. All grangers are invited.

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or other real estate, no matter where it is or what is worth. Send description, state price, and learn in wonderfully successful plan. W. M. OSTRANDER 275 North American Building, Philadelphia.

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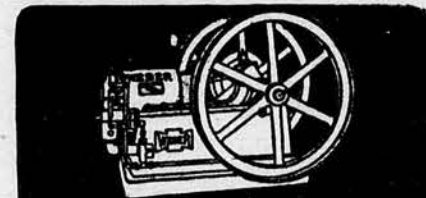
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Our large grocery department can supply you with the choicest fresh groceries at lower prices than you can buy the same quality of goods for either in Kansas City or at your home grocery. Below we give a few of the rare bargains. Others will be found in our Special Grocery Circulars. Write for them to-day.

25 lbs. best granulated sugar,.....\$1.00.  
Arabia or Lion Coffee, per lb.,.....20c.  
Our Drive blend bulk roasted coffee, per lb.,.....20c.  
1 box good laundry soap, 100 bars,.....\$1.00.  
Fresh soda crackers, per lb.,.....4 1-2c.  
Fresh ginger snaps, per lb.,.....4 1-2c.  
Choicest tea, fannings or broken leaves, not dust, per lb.,.....10c.  
Fancy loose roll, Imperial tea, per lb.,.....25c.  
10 lb. Scotch rolled oats,.....25c.  
Red Columbia River salmon,.....12 1-2c.  
8 oz. bottle lemon extract,.....13c.  
10 lb. can sugar syrup,.....4 1-2c.  
10 lb. salt pure white table lard for.....25c.  
Arm & Hammer soda, full lb. package,.....6c.

Our large General Catalogue contains everything wanted for use on the farm or in the home and all at money saving prices. Don't buy supplies of any kind until you see it. We mail it free for the asking.

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New Crop; thoroughly cleaned, evenly graded, no chaff nor waste to pay for.

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Garden City, Kansas.

## THRIFTY FARMERS

are invited to settle in the State of Maryland, where they will find a delightful and healthy climate, first-class markets for their products and plenty of land at reasonable prices. Maps and descriptive pamphlets will be sent free upon application to H. BADENHOOP, Sec'y State Board of Immigration, Baltimore, Md.

## FINE DAIRY ..AND.. STOCK FARM FOR SALE.

240 acres located on Badger Creek, Lyon County, Kansas, divided as follows:

150 acres in cultivation (100 acres bottom land), 10 acres orchard, 20 acres good timber, 60 acres pasture and meadow land. Good improvements. Eight-room house in nice grove, new creamery building (cost \$750), two good barns, cattle sheds, chicken house, hog house, coal house, two ice houses, two silos (100 tons each), never-failing water, pond and three wells, elevated tank and windmill, underground water pipes with hydrants, two stock tanks with floating valves and tank heater, 40 acres in alfalfa. Three miles from railroad station, 5 miles from Emporia (county seat), 10,000 population. Long-distance telephone connecting with Emporia exchange and all parts of the State goes with the farm. Fifty cows kept on this farm at present. Would like to lease creamery building of purchaser and will contract to take all milk produced on farm by the year. Price \$50 per acre. Easy terms. Address owner,

G. W. PARKMAN, Emporia, Kansas.

## LAND FOR SALE OR EXCHANGE

in Barton County, Kans., the Banner wheat county of the State; raised this year over 5,000,000 bushels. You can buy a first-class wheat farm from \$20 to \$40 per acre, with good improvements, three to ten miles from county seat. Barton is one of the very best counties in the State; good schools, churches, fine soil and healthy climate. I will take great pleasure in giving you all information you may ask for, having lived in the county 29 years. I also have for sale a number of choice farms in Pawnee County at such prices that one good crop will pay for the land. The Pawnee Valley in Pawnee County is one of the richest valleys of land on the map. I can sell you the best from \$10 to \$17.50 per acre. I have sold more land in the past two years than all other agents in Central Kansas. For further information call on or address

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## THE AMERICAN ROYAL.

(Continued from page 1107.)

ond, J. W. & J. C. Robison's Zaza (24618); third, McLaughlin Bros.' Percule (50060).  
Mare 2 years and under 3—First, J. W. & J. C. Robison's Eulalia 30494; second, J. W. & J. C. Robison's Fauvette 27223; third, McPherson's Kesta Marnot.  
Champion stallion—McLaughlin Bros.' Pantin (46478).

Champion mare—McPherson's Candeur.  
ASSOCIATION SPECIALS.

Best stallion any age—Crouch & Son's Loufoc (4494).

Best mare any age—

Best group of five stallions—McLaughlin Bros.

Best group of three mares—J. W. & J. C. Robison.

Best group of four animals, get of one sire—McLaughlin Bros.

Best brood mare and two or more of her produce—J. W. & J. C. Robison.

Best herd Percheron horses, stallion and four mares any age—J. W. & J. C. Robison.

DRAFT HORSES OTHER THAN PERCHERONS.

Belgian or other draft stallions, not Percherons, between 3 and 4 years—First, Crouch & Son's Solomon; second, McLaughlin Bros.' Seeton.

Champion stallion—McLaughlin Bros.' Brutus.

Champion mare—McPherson's Daisy of Fairfield.

## FRENCH COACH.

Stallion 4 years or over—First, McLaughlin Bros.' Torrent 2813; second, McLaughlin Bros.' Verso 3258; third, McLaughlin Bros.' Vernet 3303.

Stallion under 4 years—First, McLaughlin Bros.' Apropos; second, McLaughlin Bros.' Adjudant; third, McLaughlin Bros.' Amant 3444.

## GERMAN COACH.

Exhibitors: Crouch & Sons, Lafayette, Ind.

Judges: M. F. Dillon, Pueblo, Col.; Frederick Ware, Boston, Mass.; M. Gregory, Lafayette, Ind.

Stallion 4 years or over—First, Crouch & Son's Hinders 1417; second, Crouch & Son's Hannibal 2127; third, Crouch & Son's Dubio 1889.

Stallion under 4 years—First, Crouch & Son's Simson 2129; second, Crouch & Son's Kuno 2133; third, Crouch & Son's Generator 2131.

Mare 4 years or over—First, Crouch & Son's Corola.

Mare under 4 years—First Crouch & Son's Dura.

Champion stallion—Crouch & Son's Hinders.

Champion mare—Crouch & Son's Corola.

Grand champion Coach horse, any breed—Crouch & Son's, on German stallion Hannibal 2127.

## American Royal Notes.

A. J. Stevens, of Wellington, Kans., showed a very handsome exhibit of pure-white Arabian horses. They were not entered for a premium though they were given a place in the horse barn with the competing stock.

The first- and second-prize Hereford steers were shown by L. M. Todd, Wells-ville, Kans. The larger and heavier of these steers was sired by a grandson of Boatman, the herd bull belonging to the Vermillion Hereford Cattle Company, Vermillion, Kans.

A. L. Sponsler, superintendent of live stock at the Kansas State Fair at Hutchinson and also owner of the champion Shorthorn bull at that fair, spent the week at the Royal a close student of the animals on exhibition and of the methods by which the great show was conducted.

Not only did the first prize for range-bred feeders of any age and any breed go to some Kansas Galloways, but the second prize also came to Kansas. This prize was won by Angus calves that were bred and raised in Russell County, the home of Chas. E. Sutton, the big Angus breeder.

Perhaps the biggest ring shown at any time during the week was the calf class of Angus. This ring had 35 animals in it, and occupied the entire one side and end of the 300-foot tent. The youngest competitor for this prize was a 20-day's-old calf exhibited by Parrish & Miller, Hudson, Kans.

P. J. Anderson, of Anderson & Findlay, Iola, Kans., spent the week at the Royal and was considerably elated over the fact that the bulls which sired the champion calves of the Angus breed were of his own breeding. Kansas showed up well in this American Royal and will be ready for a better show next time.

The heaviest steer shown on the grounds was a high-grade Hereford shown by Cottrell Bros., Irving, Kans., at a weight of 2,190 pounds. Most of the animals shown in the fat classes were of the baby-beef type ranging from 90 to 1,400 pounds, though one Angus steer shown by Silar Igo weighed 1,785 pounds at 2 years old.

The champion Chester White boar was bred in Kansas, and his owner refused a cash offer of \$1,000 for him during the show. He was bred by Alvey Bros., Argentine, Kans., who had the satisfaction of selling a 4-year-old sow during the show for \$250, and who were offered \$100 for a boar pig. Evidently the Chester Whites are beginning a boom.

Ex-Governor Morrill, of Hiawatha, Kans., was an interested visitor during a portion of the week. He was intensely interested in the show as a whole, but especially in the exhibit of Hereford cattle. Gov. Morrill has been a resident of Brown County since 1857, and along with his banking business he conducts a breeding farm on which the Herefords have preference.

John Marriage, of Eagle Canon Ranch, Mullinville, Kans., founder of the Marriage breed of cattle, had one of his calves of this breed on exhibition. To establish the Marriage breed of cattle he first crossed a pure-bred Devon with a Holstein. This product with an Aberdeen-Angus, then a red Cruickshank, then a Suffolk, a Polled Norfolk, and lastly a Double Standard Polled Durham. The re-

sult is claimed by the owner to be the best dual-purpose breed that have been found.

Hanna & Company, the Shorthorn breeders at Howard, Kans., contributed a few head to the association sale. By reference to our report of this sale it will be seen that they made the highest average. This is particularly notable as it is the third consecutive year at which they have topped the association sale. Kansas is forcing a recognition of herself as a great breeding State.

H. W. McAfee, of Prospect Farm, Topeka, Kans., was the lucky purchaser of a splendid pair of prize-winning mules. They secured the third prize in the American Royal show and it is understood that Mr. McAfee paid a long price for them. Prospect Farm is one of the finest breeding farms in the State of Kansas and a pair of prize-winning mules is none too good to find its home upon it.

Mr. Charles Martin, secretary of the National Live-stock Association, with headquarters at Denver, was a visitor during the week. Mr. Martin says that the American Royal of 1903 was the greatest show of cattle he ever saw. From Kansas City Mr. Martin starts for Portland, Ore., to arrange for the next meeting of the National Association, which will be held in that city of January 11-14, inclusive.

The grade Hereford steer that won the first prize in the fat stock classes was sold to the Fowler Packing Company for \$7.00 per hundred. This is the highest price paid on the Kansas City market for many months. The steer was 22 months old and was bred and exhibited by L. M. Todd, of Wellsville, Kans., who also bred and fed the second prize-winner in the same class which sold for \$6.00 per hundred at 18 months old.

A curious feature of the judging in the draft-horse class was developed in the fact that the horse which won the championship was only successful in securing the third prize in class under another judge. Casino, the prize-winning stallion at the head of J. C. & J. W. Robison's herd, Towanda, Kans., was given second

and third on best mule, any age. Mr. Bates got second on best pair of mules and best mule, any age. H. H. English, Speed, Mo., got third on best pair.

Prof. Erf, of the Kansas Agricultural College, was with the Senior class of forty young men who came down to see the stock judging. These young men were obliged to come at their own expense which is a tax on the average student. Prof. Erf hopes to secure an appropriation for next year with which he can pay the expenses of his classes in attending the American Royal. He would then make this great show a part of the regular course of instruction and a most valuable part it would be.

On Friday morning an old box-car, standing near the American Royal Show grounds, and used as a storage house for oil, caught fire and the hurried passage of the fire departments down Genesee Street and in front of the show grounds caused some little excitement among both visitors and exhibitors. As the fire was not far from the swine and sheep barn some nervousness was felt less there be danger to the exhibits. As it turned out no damage was done except to the old box-car which was of little value.

The American Royal is getting too big for its location. It will be necessary to erect other permanent buildings for the accommodation of the horses which this year were stabled on Genesee street and failed to attract the attention they merited by reason of being separated from the principal show. The enormous tent in which the cattle rings were shown is an ideal show-building while the weather is good but in the event of bad weather it might prove uncomfortable to stock-exhibitors and visitors.

The first-prize Galloway calves, exhibited in the fat-stock classes, were really a cross between the Angus and Galloways. Their dams were high-grade Angus cows sired by bulls from Chas. E. Sutton's Rutger Farm, at Russell, Kans., and their sires were pure-bred Galloway bulls. The calves were bred and exhibited by J. F. Meserve, Smoky Hill, Kans. If memory serves, this is the third year

his distribution of handsome stick-pins in the form of a silver maple leaf and watch charms made in imitation of a ham.

One of the prettiest sights in the Shorthorn ring was seen when the young herd appeared. During the exhibition of the young herd, Mr. Otto Gehlbach, of Trenton, Mo., placed his exhibition in charge of his four daughters, who held the animals during the judging and who were the cause of a very enthusiastic reception from the Shorthorn people in the audience. There were many times during the week when our sympathy went out to the judges because of the difficulties of their task, but at no time did the judges receive so much sympathy as when they were obliged to pass this herd of Shorthorns with the fair herdswomen.

Mr. John Steward, of Steward & Hutcherson, Greenwood, Mo., prominent Hereford breeders, met with a rather serious accident which resulted in the breaking of two ribs on the left side of his body and the tearing away from the sternum of two on the right side. He was standing on top of the stalls above his cattle, engaged in putting up a sign when he fell across a manger, some five or six feet below him, and sustained the injury noted. He was taken to St. Joseph's Hospital, where the physicians in charge report him as doing very much better than at first expected, but in need of absolute quiet and rest in order that complete recovery may be secured.

The winners of the grand championship prizes at the American Royal find that there is something of a money consideration in showing the winning herd. J. A. Funkhouser, Plattsburg, Mo., winner of the grand championship in Hereford division, carried away \$685 as his share of the prize money. F. W. Harding, Waukesha, Wis., won \$300 on his Shorthorns. C. H. Gardner, Blandinsville, Ill., won \$780 on his Aberdeen-Angus, and Brookside Farm Company, Ft. Wayne, Ind., carried away \$550 in prizes on Galloways. McLaughlin Bros., Kansas City, and J. Crouch & Son, Lafayette, Ind., received \$270 and \$280, respectively, with their magnificent showing of draft horses.

Following the meeting of the World's Fair Commissioners with the Live Stock Breeders' Association Committee there was held a meeting of the latter for the purpose of arranging in part for the program and dates for the next meeting of the association. Some important subjects were added to the program and the secretary was instructed to invite prominent breeders to lead in their discussion. It was thought wise to devote one entire session of the meeting to a full and free discussion of the State fair problem with the object of inducing some action by the Legislature at its next meeting. Further details will be given in these columns at a later date.

This year's American Royal contained representatives from the largest herd of Hereford cattle in the United States. This belongs to Gudgell & Simpson, Independence, Mo. The second largest herd of Herefords is owned by C. A. Stannard, Emporia. The largest herd of home-bred Angus cattle in the United States is owned by Parker Parrish & Miller, Hudson, Kans., who managed to get well in the money with their string of blacks. This herd numbers about 300 head of all home-bred animals. One of the largest herds of Galloways in the United States, and the one which recorded more pedigrees during the past year than any other herd, belongs to S. M. Croft & Sons, Bluff City, Kans., whose exhibits carried away a goodly number of ribbons.

C. P. Bailey & Sons, of San Jose, Cal., well known as Angora goat breeders, had an exhibit of Persian fat-tailed sheep on the grounds which served to attract a great deal of attention. They are descended from animals brought right from Persia by United States Minister Beal, on his return from that country. They are peculiar in appearance, being very large animals with rough, dark-brown wool and an enormous development of the tail. In certain cases it is said that the tail grows so large and heavy that the owners find it necessary to build small carts which are hitched to the animal permanently and which he hauls around to support his tail while he is at pasture. The tail is considered a great delicacy by the Persians who value it more highly than any other part of the animal.

In order to give ample protection to the swine exhibitors, the American Royal management arranged with the Moore Chemical Company to dip all the exhibits of both cattle and hogs when desired. A large and complete dipping plant was established in the swine barns and was in almost daily use, as a matter of safety of exhibits and of illustration of the method used by the Moore Chemical Company. Another dipping tank for cattle was established in the yards and was taken advantage of by several owners. In addition to this the car sul was used as a disinfectant in the horse barn. The dipping plant was in charge of Col. Moore who had also established a booth and exhibit on the main street of the exhibition grounds. The genial Colonel always makes friends and the dip he manufactures never lose any.

The Galloway people are feeling very jubilant over the fact that they have won the grand championship in the beef classes over all other breeds for three successive years. In 1901 the Galloways won the grand championship at the International at Chicago with range bred stock from west of the 98th meridian. D. E. Newcomb, of La Jara, Colo., carried away the championship ribbon. In 1902 Bean & Johnson, Carneiro, Kans., distanced all breeds with the splendid bunch of Galloway Calves. Had they not been turned down at Chicago on the charge that they were grain-fed the Galloways would have won a double victory for that year. This year, as already reported, J. F. Meserve, Smoky Hill, Kans., secured the coveted prize. It will be noted that two of these winners are from Kansas where they breed and feed winners.

On Friday the horse breeders and importers who exhibited or are interested in the draft- and coach-classes held a meeting and elected officers for their division of the American Royal for 1904. This is the first year that horses have been



Grand Champion Galloway Cow, Dainty of Wavertree, owned by C. E. Clarke, St. Cloud, Minn.

place in a very strong class of newly imported Percherons. This speaks very highly for the Robison horse.

The swine show had representatives of but two breeds. These were the Chester Whites and the Duroc-Jerseys. The show was creditable for these two breeds but it is to be regretted that the other breeds were not present. The Poland-Chinas were represented on the grounds by some sale herds and Mr. G. C. Council, Williams-ville, Ill., had a car-load of fine young Berkshires which were offered for sale.

The car-load exhibits of fat cattle attracted nearly as much attention as did the breeding cattle in the show ring. There were more than 100 car-loads on exhibition and they were good ones. The cattle in this exhibit represent many of the largest ranches and feeding farms in the West and are an object lesson in that they show what can be accomplished by the injection of a little good blood into the herds which but a few years ago were very inferior.

The directors of the Hereford Breeders' Association held nightly meetings at the Midland Hotel for the purpose of taking depositions in the case now pending in the Chicago courts regarding the annulling of their charter. It is to be hoped that the little frictions which have developed in this great association will soon be removed and its future usefulness enhanced by united action on the part of its members in the pushing of the merits of this great breed.

Since the burning of the barns at the State Fair grounds at Sedalia, Mo., efforts are being made to remove the State fair from Sedalia and join it to the American Royal, thereby strengthening both. It is urged that Sedalia is too small a town to accommodate such a crowd as usually attend a State fair and that by moving to Kansas City ample hotel accommodation would be found and the show strengthened and increased by a combination of the two.

There was a creditable exhibit of Missouri's best product and the mules shown therein were a credit to that great State. W. A. Elgin, Platt County, took first on 4-year-old mule and third in the same class, while the second went to Alonzo Bates, Richmond, Mo. Mr. Elgin also got the first on best pair of mules and first

in which the Galloways have carried away the championship prize in the American Royal in competition with all other breeds.

The Angora goats are still much in evidence. At the American Royal of 1901 it will be remembered that Mrs. M. Armer, of Kingston, N. M., surprised the whole country by paying \$1,050 for the prize-winning buck, Pasha Columbia. At last year's Royal, Mr. D. C. Tayloy, of Lake Valley, N. M., sold the prize-winning buck, Aztec, for \$1,400. This year, F. O. Landrom, LaGuna, Tex., sold the prize-winning yearling buck, Dick Junior, to E. L. Witt & Son, Montel, Tex., for \$1,300. The second prize yearling doe of this year sold for \$900.

Our advertiser, O. L. Chase Mercantile Company of Kansas City, which is the largest department store in the West and one of the largest in the country, had a very large and attractive exhibit just outside the entrance to the American Royal. This exhibit included well-nigh everything that could be handled in the store. During the week this great firm ran a tallyho coach from the grounds to their enormous store on Hickory Street, for the accommodation of their visiting friends. They always found a crowd ready to go with them.

Some of the show cattle in the big tent were remarkable for their weight. Bulls weighing more than one ton were shown by Hereford breeders as follows: O. Harris, Harris, Mo.; John Hutson, Canon City, Tex.; Benton Gabbert, Dearborn, Mo.; C. A. Stannard, Emporia, Kans.; Van Natta & Son, Fowler, Ind.; C. W. Armour, Kansas City; R. H. Hazlett, El Dorado; Gudgell & Simpson, Independence, Mo.; In Shorthorns: Geo. Manville, Dearborn, Mo.; E. W. Bowen, Delphi, Ind.; and F. W. Harding, Waukesha, Wis. Bash showed bulls weighing well over 2,000 pounds.

One of the handsomest exhibits on the grounds was made by Swift & Company with a display of their digestion tankage and blood meal. This exhibit was in charge of L. W. Pursel, a graduate of the Kansas Agricultural College, and consisted in a handsomely ornamented booth with samples of the manufactured products shown in large glass jars where they were easily accessible to the visiting public. Mr. Pursel made many friends for his company among the young people by



shown in the American Royal and it is a matter of general satisfaction that the show was larger and of better quality than was the first showing of horses made at the International at Chicago. So well pleased are the horse men over the first results of their showing at the American Royal that they at once selected the following officers to push the horse department to the front for next year:

President, J. W. Robison, Towanda, Kans.; manager, O. P. Updegraff, Topeka, Kans.; Shire department, J. G. Truman, Bushnell, Ill.; Clydesdale department, M. W. Woods, Lincoln, Neb.; German Coach department, J. Crouch, Lafayette, Ind.; French Coach department, William McLaughlin, Kansas City; Belgian department, H. Wolff, Sr., Wabash, Ind.

Prof. Kinzer, the newly elected professor of animal husbandry at the Kansas Agricultural College, brought the senior class of that institution down on Monday to inspect the show. This is a move in the right direction and is highly to be commended, as these young men will get as much benefit from a thorough study of the best of all the breeds in such large numbers as they would get from a half-term's class-room work, with the more limited facilities at the college. The Iowa Agricultural College was represented by a class of twelve students belonging to the stock-judging classes. The Oklahoma Agricultural College which has usually been represented by a delegation of students was unable this year to secure railroad rates that would admit of the long journey to Kansas City. Prof. F. C. Burtice was present, as he always is. The college students who were in attendance had the advantage of an illustrated lecture on stock judging by Prof. Geo. Rommell, expert of the Bureau of Animal Industry at Washington.

On Tuesday evening a very important meeting was held in the club room of the Coates House. This was a joint meeting of the Kansas World's Fair Commissioners and a committee representing the Kansas Improved Stock Breeders' Association. The meeting was presided over by the chairman of the World's Fair Commission, Senator John C. Carpenter, of Chanute. The meeting was addressed by Col. C. F. Mills, secretary of the Live Stock Department of the World's Fair, and by many of the breeders present. The following resolution was adopted:

"Resolved, That the commission be asked to duplicate the prizes won at St. Louis and that any unexpended balance be distributed among the Kansas exhibitors upon a plan to be decided upon by a committee of the various breeds of live stock in conjunction with the commissioners, such committee to be appointed by the President of the Kansas Improved Live Stock Breeders' Association."

Charles E. Sutton, president, named the following committees, under the resolution to distribute the unexpended balance: Beef breeds cattle, O. O. Wolf, Ottawa; dairy, M. S. Babcock, Nortonville; swine, C. F. Deitrich, Richmond; horses, J. W. Robison, Eldorado; sheep and goats, E. S. King, Burlingame.

The committee remained in session half an hour and then adjourned till next January, when the State Association meets.

The fourth annual meeting of the Angora Goat Breeders' Association resulted in some changes in the officers. The meeting was held in the hall of the Live-stock Exchange Building, with about seventy-five members in attendance. Among other points of business transacted at this meeting was a decision to hold the next annual meeting, exhibition and sale at St. Louis during the World's Fair. Among other items of business a motion was passed to discontinue the inspection of goats after November 1, 1903. The secretary was instructed to correspond with the secretary of Agriculture with a view to raising the quarantine now placed on South African Angoras. This quarantine operates to prevent the importation of Angoras from South Africa, which is said to be one of the best reasons on earth for their growth and development. The goat men are exceedingly pleased with their exhibit at the American Royal which numbers some 400 head of very choice animals from all over the Union. They wound up the week with an Angora-goat banquet at the Transit House.

Perhaps one of the most important steps taken by this organization was the election of John W. Fulton, of Helena, Mont., and Kansas City, Mo., as secretary. Mr. Fulton is a young man whose enthusiasm for the Angora knows no limit and he will put the zeal of energy into the management of the secretary's office. The officers elected for the ensuing year were all elected unanimously and are as follows: President, J. W. Troutman, Comiskey, Kans.; vice-president, Dr. W. C. Bailey, Kansas City, Mo.; secretary, John W. Fulton, Helena, Mont.; treasurer, W. C. Henrich, Kansas City.

At a called meeting of the board of directors the following executive committee was elected: R. C. Johnston, Lawrence, Kans.; J. W. Troutman, Comiskey, Kans.; Dr. W. C. Bailey, Kansas City, Mo.; N. A. Gwin, Lawrence, Kans.; C. D. Taylor, Macon, Mo.

It will be noticed that three of the members of the committee are Kansas men, one of whom is the president of the association.

#### A Banquet on Goat Flesh.

Angora goat-breeders to the number of sixty-five sat at the banquet table of the Transit House last night and enjoyed a feast of Angora venison. Following was the menu:

Angora Broth a la Missouri et Kaw.  
Celery, Olives, Radishes.  
Angora Sweet Breads a la Rio Grande.  
Mint Sauce.  
Saddle of Angora Venison a la Pacific.  
Mashed Potatoes.  
Salad a la Atlantic.  
Ice Cream Sans Kemp.  
Coffee, Pontet Canet, Cigars.

At the conclusion of the repast ex-President T. M. Stewart, of Lewiston, Ill., who acted as toastmaster, called upon the newly elected president, T. W. Troutman, of Comiskey, Kans., for remarks, and he was followed in turn by Mrs. M. Armer, Col. W. M. Landrum, of Lagune, Tex.; Dr. T. R. Standley, of Redford, Iowa; D. C. Taylor, of Lake Valley, N. M.; Prof. George R. Thompson, of Washington, D. C.; John W. Fulton, of Helena, Mont.; Clifford Howells, Seattle, Wash.;

G. W. Craig, Macleay, Ore.; T. T. Shaw, Pike Co., Ill.; A. Kemble, Muscatine, Iowa; N. A. Gwin, Lawrence, Kans.; Dr. W. C. Bailey, Daniel Leonard, Corning, Iowa, and Fred Ludlow, Lake Valley, N. M. It was after 11 o'clock before the guests left the tables with the kindest feelings prevailing. The speakers represented ten different States and Territories and the District of Columbia.

#### The M. A. Low Shorthorn Sale.

The Kansas Farmer takes pride in calling attention to the offering of Shorthorn cattle made by M. A. Low, Topeka; M. C. Vansell, Muscatine; D. L. Dawdy, Arrington; and G. Y. Johnson, Willis, Kans., at Horton on Thursday, November 19. This will be a dispersion sale for Mr. Low's herd and will be an opportunity which breeders and farmers can not afford to miss. In the present condition of the cattle market no better time could be found in which to buy breeding animals for use in establishing new herds or infusing new blood into old ones. In this sale will be found some of the choicest of Cruickshank and Bates blood. Mr. Low has been breeding for a comparatively short time but in that time he has been almost lavish in his expenditures made in the purchase of the best Shorthorns that could be had for money. Mr. D. L. Dawdy is the son of one of the oldest Shorthorn breeders in Illinois and was brought up in the business. He was the purchaser of Governor Glick's famous herd and with his experience of a life time he has brought together a very choice lot of Shorthorns, some of which will be offered for sale at Horton. Mr. Vansell has offerings sired by bulls bred by C. B. Dustin, William Duthie, B. O. Cowan, and others whose reputations have gone with their cattle. G. Y. Johnson has long been known as a breeder of Scotch and Scotch-topped Shorthorns and a small draft from his choice herd will be included in this sale. The total offering will be 59 head, of which 46 will be females and 13 bulls.

The sires represented in these offerings are such great bulls as Touchstone (60073), Topsman (63447), Imp. Best of Archers 141832, Imp. Northern Light (57801), Golden Lad 115691, Imp. Orange Chief 144650, and

be well nigh priceless. The way to start in breeding is to buy of the best and the way to continue therein is to buy something better than you have. The opportunity will be offered at Blue Rapids on November 10 and 11, and Secretary E. E. Woodman, Vermillion, Kans., will mail you a catalogue for the asking which will give the pedigrees and terms of sale.

#### Armour-Funkhouser Hereford Sale.

The Funkhouser contribution to the sale consists of eleven bulls and twenty-three cows. The bulls will range in age at the time of the sale from 11 to 19 months.

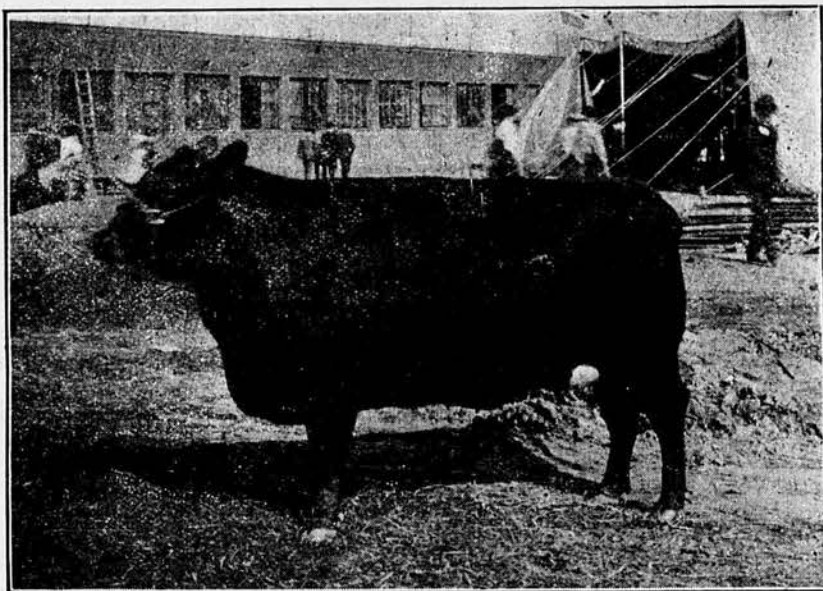
Two of the cows have heifer calves at foot and one bred again. Three of the cows have bull calves at foot, all bred again.

Mr. Funkhouser's offering is made up of twenty-six of his own breeding and eight by other American breeders.

The bull offering includes Hesiod 96th, a full brother of Hesiod 84th, sold when 14 months old at a public sale at Kansas City for \$655; Onward 6th is another herd-head. He was sired by champion March On 6th. Hardy is also a great young bull. He was sired by Hesiod 85th, who weighed 2,410 pounds when 2 years old. Nora's March On is also a good bull, sired by March On 19th, sold when a yearling at Kansas City for \$700. Sultan is a good Anxiety-bred bull.

The cows in the Funkhouser offering are a fine lot and are bred to Champion March On 6th, winner of the Armour Cup at Kansas City American Royal in 1902; the great Hesiod 85th who weighed 2,410 pounds when 2 years old; Onward 8th, who won first in class and junior sweepstakes at Missouri State Fair, 1903, and Onward 4th, first prize 2-year-old at Missouri, Iowa, and Minnesota State Fair, 1903, also winner senior sweepstakes, American Royal, Kansas City, 1903.

The Charles W. Armour offering includes fifty-seven imported cows from thirty different, prominent, English herds. In addition to the imported cattle are eleven cows bred on the Armour farm and five by other American breeders. These cows are a representative lot and are good enough for any herd. These cattle represent the best Hereford blood on both sides of the water. Some of the



Grand Champion Aberdeen-Angus Cow, Vala, owned by C. H. Gardner, Blandinsville, Ill.

Trout Creek Clan Alpine 139684. Every accommodation will be given to visitors and buyers and the cattle will be offered at your own price. A few of the pedigrees of the animals offered are shown in the advertisement on page 1124. Address any of the consignors for catalogue, which is just now ready for distribution, and remember the time and place, Horton, on the main line of the Rock Island, November 19, 1903.

#### The Marshall County Hereford Sale.

On November 10 and 11, 1903, at the fine stock sale pavilion at Blue Rapids, Kans., will be held the second annual sale of the Marshall County Hereford Breeders' Association. This is probably the biggest county breeders' association in the United States. It now numbers fifty members, one-half of whom will contribute to this great sale. Although this association is less than two years old its sales have come to be recognized as the great event in the Hereford world in Kansas. One hundred head of animals will be offered from twenty-five different herds, sixty-seven of these will be cows and heifers, either bred or with calves at foot, the remainder will be bulls. In this county and among these herds may be found the best blood lines known to the Hereford breed and the quality of animals offered this year will far surpass the offering of one year ago and will include a number of show animals. Several of the breeders in this county were exhibitors at the American Royal last week and in such competition where the world's best was brought together in one ring it is a credit to any breeder to be able to show, even though he does not "ret inside the money." We wish to urge upon our readers the advantages of attending this sale and of making liberal purchases in the present condition of the cattle industry. Now is the time to start new herds and to increase old ones. Money is plentiful and feed abundant and no better time for buying good animals has appeared for years past than right now. Where so many breeders join together in a sale and where they represent so many different lines of breeding the buyer is sure to find what he wants and the prices he will make for himself. Cattle-breeding is just as safe and just as profitable a business as is banking, and will continue to be so as long as men eat beefsteak; indeed it is almost impossible to tell what a good cow is worth and when one gets a bull that just suits him he ought to

well-known strains shown in their pedigrees are, "Albion, Lord Wilton, Monarch, The Grove 3d, Good Boy, Pearl Gross, Maldstone, Royalist 4th, Statesman, St. Louis, Kansas Lad, and Beau Brummel."

The Armour cows, both imported and American, are really a grand lot of breeding animals and most of them are bred to drop calves from two to four months after date of sale from such noted sires as imported Majestic, who has the fashionable Statesman Maldstone cross; Lord Pretty Face, a St. Louis Kansas Lad bull; and imported Bell Metal, whose pedigree shows the Albion, The Grove 3d, and Lord Wilton blood.

Eleven of the Armour cows have calves at foot. This sale affords breeders an opportunity of picking English-bred Herefords from a sale at home, thus avoiding the trouble and expense incident to buying and shipping them over from the other side.

The offering is not made up wholly of the show-ring class but they are all good, well-built breeding stock; perhaps, all in all, a little better than the usual Armour-Funkhouser high standard offerings at their sales. These cattle are all well built, well bred, and of the hardy, hustler kind, suitable for the small farm, for the breeder of pure blood, and for the range. They are the kind that will stand changeable climatic conditions and hard fare if necessary.

#### The Kuper-Elmore Shorthorn Sale.

Stockmen of Kansas and Nebraska will find much to interest them in the fine lot of 60 cattle to be sent through the Kuper-Elmore sale ring at Humboldt, Neb., on November 21. These gentlemen are pioneer Shorthorn breeders, and they propose to put forward a string of registered Shorthorn cattle on this occasion that shall be alike a credit to the breed, to the community in which they live, and to their own efforts in their chosen line of work. The writer has been to see these herds and knows them to be in splendid working form. Mr. Kuper contributes perhaps about 45 or 50 head, while Mr. Elmore has selected something like a dozen from his own herd to go into this sale. The massive red Scotch bull Baron Surmise is now in service, and many of the cows will have been bred to him. This is the sire that made himself famous in the herd of Ernst Bros., at Graf, Neb. His calves are like peas in a pod—nice, thick all-red fellows on short legs, the

sort that develop rapidly, and grow into big, smooth, sappy bulls and heifers before you know it. It will be worth something to come to this sale and see so fine a sire as this sappy, 2,600-pound bull, Baron Surmise. You are sure to want to see the Kuper-Elmore sale catalogue, so write for it at once. In this catalogue the owners make this announcement: "Farmers and stockmen—We ask you to attend this sale believing you will find the cattle whose pedigrees are printed herein to be profitable for you to buy; they are a nice, thrifty young lot and will be sold in good condition and right from the pastures. With the great abundance of all kinds of feed on hand, and the strong demand for the best beef, it surely is a good time to buy good cattle. The contributors to this sale have not picked out a lot of cattle they want to dispose of on account of old age or unfruitfulness, but have listed as good as their herds contain. While we believe every animal we shall offer you is a breeder no guarantee will be given as to future usefulness. Each owner will be present in the ring while his animals are being sold to answer any questions should you desire to ask any and is responsible for any statements he may make regarding the same. We ask you to be with us on sale day and tell us what you think the cattle are worth. A certified pedigree from the American Shorthorn Breeders' Association bearing the signature of the secretary and the seal of the association will be furnished with each animal sold, except calves at foot and sold with dam. For these we furnish a certified pedigree eligible to record. A majority of these cows are bred to Baron Surmise, a pure Scotch bull. All stockmen from a distance entertained at the Park Hotel in this city. Terms of sale are cash, or 12 months' time at 8 per cent. Sale begins at 1 p. m. Bring catalogue." Write for the catalogue, mentioning Kansas Farmer. See advertisement.

#### The Morse-McGrew Poland-China Sale.

The announcement of this sale on page 1123 shows that it will be held at Mound City, Kans., November 9, and gives some idea of the general character of the offering. Some additional points will be given briefly below. The offering is only a moderate-sized one and probably prices will not rule particularly high, but the chances are that as good values for the money as will be available to the buyers this year will be found here. The thing we wish to impress on those interested in hog sales is that here are consignments from two herds that are built on quality. Morse & Sons' herd was founded nearly thirty years ago with some of the best and most expensive Poland-Chinas then to be had. The type that this herd represents embodies the conclusions of the senior Mr. Morse, drawn from a quarter of a century's experience in the business, and this probably as much as any other one thing explains the good results that have been realized by customers of this firm for years. What Mr. McGrew has not had in the way of experience we feel that he makes up in enterprise and good judgment. As evidence that he has the right kind it is only necessary to mention that in the recent Hoag-Zimmerman-McGrew sale his consignment of about half a dozen head averaged an even \$50, and contained both the top boar and top sow of the sale. Mr. McGrew's consignment includes several pigs by his Corrector boar, the first of these he has offered. We think Mr. McGrew's notes concerning these, and also the two by Eclipse's Rival, whose son topped the boar offering of the sale aforementioned, very moderate considering the stock. The same is true of all the foot notes in the catalogue and bear out the proposition in the announcement that "pedigrees show the breeding and the hogs show for themselves." Catalogues sent on application to O. E. Morse & Son, Mound City, Kans.

#### M. L. Ayres' New Importation.

The latest importation of draft stallions for the well-known M. L. Ayres establishment, at Shenandoah, Iowa, is now installed, and everything is "fine as a fiddle." Mr. Ayres arrived home about two weeks ago after one of the quickest trips on record. He brought home 16 flashy young Percherons and 5 spanking Belgians. This addition to the fine, big string of stallions already in the barns puts the whole number of stallions available for service here at about 75 head, with about 25 topby yearlings in the pastures. A big lot of these horses are to be found in the 2,000-pound class and better. They are a capital lot from first to last. Kansas Farmer readers will hear all about them at an early date.

#### Gossip About Stock.

The Buchanan Stock Farm of Sedalia, Mo., is said to own one of the handsomest Duroc-Jersey sows in the West, in the Blonde Beauty 32370, and one of the most prolific boars, in Red Duke 18663. His first litter contained 15 large, thrifty pigs and the second 14.

In our report of the Southern Kansas Fair and Carnival on page 1035 of the issue of October 8, occurred a mistake which is to be regretted as it does not do justice to a very excellent exhibit of Duroc-Jersey swine. In the class, boar under 6 months, the first prize was awarded to J. W. Getz, Freeport, Kans., on a youngster that was well worthy of it. The types made us say that the award went elsewhere and we take this opportunity to correct this error.

One of the most enterprising and reliable stock food companies in the West is the Rex Stock Food Company, of Omaha, Neb. Their advertisement appears in our columns regularly. Each advertisement contains something new and of interest to stock raisers generally. No person can read their announcements without noticing the plain straightforwardness of their statements. They have an excellent record and any farmer or stock raiser will do well to write for full information on the way to make money by raising cattle, hogs, and poultry.

Gentry Grattan, one of the best bred stallion colts in the West, is now receiving his initial training at the Missouri State Fair grounds track at Sedalia. As his name indicates he carries the blood

(Continued on page 1118.)



# A Souvenir and a \$100.00 Cream Separator GIVEN AWAY

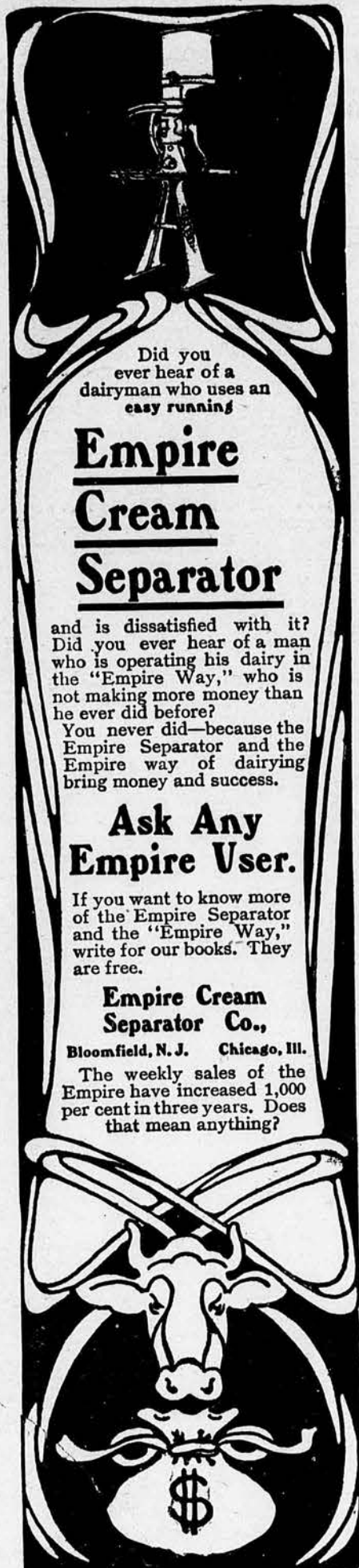
By the BLUE VALLEY CREAMERY CO., St. Joseph, Mo.

We want every owner of milch-cows within 500 miles of St. Joseph to write us, and on receipt of your letter we will mail you a HANDSOME SOUVENIR. We will number all letters received, beginning with No. 1, and also put on a card the same number, placing it in a ballot-box, and at noon, December 1st, before disinterested witnesses, the Cashier of the National Bank of St. Joseph will draw a number from this box, and to the holder we will immediately ship by freight prepaid a One Hundred Dollar Cream Separator. In sending the Souvenir on receipt of your letter we will tell you your number.

All that is required to become a participant in this contest is to answer the following questions: Your name and postoffice address; How many cows do you milk? Have you a Cream Separator? If so, what make? Do you sell cream? Besides receiving at once a souvenir of much interest and an opportunity to secure a cream separator free, it will be extremely profitable to you to have your name enrolled in this, the greatest list of dairymen in existence. Hoping to hear promptly from every one,

Yours truly,

## BLUE VALLEY CREAMERY CO., St. Joseph, Missouri



Did you ever hear of a dairyman who uses an easy running

### Empire Cream Separator


and is dissatisfied with it? Did you ever hear of a man who is operating his dairy in the "Empire Way," who is not making more money than he ever did before? You never did—because the Empire Separator and the Empire way of dairying bring money and success.

### Ask Any Empire User.

If you want to know more of the Empire Separator and the "Empire Way," write for our books. They are free.

**Empire Cream Separator Co.,**  
Bloomfield, N. J. Chicago, Ill.

The weekly sales of the Empire have increased 1,000 per cent in three years. Does that mean anything?



Please mention Kansas Farmer when writing our advertisers.

## In the Dairy.

Conducted by George C. Wheeler, Kansas Experiment Station, Manhattan, Kans., to whom all correspondence with this department should be addressed.

### A Wisconsin Bulletin on Milk-production.

Prof. W. L. Carlyle and Prof. F. W. Woll, of Wisconsin, are the joint authors of a bulletin entitled "Studies in Milk Secretion," which gives in detail the history of the university herd from its organization in November, 1898, to May of the present year.

The herd is composed of animals representing the different types of dairy- and dual-purpose cattle and so gives opportunity for comparison between breeds and types.

The long period covered by these investigations makes them especially valuable. It requires much longer periods to establish the effect upon milk-production of the different feeds than is commonly supposed. Many of the experiments covering only a few weeks are of doubtful value in establishing the influence of feeds upon milk-production. During the period covered by this report accurate records have been kept of all food consumption and the milk-production of each cow has been kept and she has been credited with whatever profit over and above cost of feed and care she has made.

The system of feeding practiced underwent quite important changes during the years covered by the investigation. For the first year the cows all received practically the same kind and amounts of roughage and grain while in full flow of milk. They soon found that with cows of so many different types and breeds not only different amounts of the various feeds were required but also widely differing combinations in order to secure the largest and most economical return in milk-production in the different cows. Some cows on a certain ration would maintain a normal weight and yield a large return in milk while others on the same ration gained in flesh and produced only a small yield of milk.

During the second year the authors state that the system of feeding was to give each cow all the hay, silage and other rough feed she would consume and a sufficient amount of grain mixture adapted to her inherent tendencies to produce the largest flow of milk possible without, at the same time, causing any increase in her weight.

A condensed statement of the main result of the report is given below. It is of especial interest to note the relative amounts of protein required for the different cows:

1. The average yield of milk for the various cows in the herd ranged from 10,60.3 to 4,033 pounds, the production of fat ranged from 474.73 to 183.64 pounds, and the net profit returned by the cows, from \$79.31 to \$19.59. The highest average production per year for any cow in the herd was that of the Jersey cow, Gold, which is credit-

ed with a production of 7,621.6 pounds of milk and 474.73 pounds of butter-fat, and a net profit (value of butter and skim-milk minus cost of food) of \$79.31. This cow also produced the maximum amount of butter-fat of any cow in the herd during 365 consecutive days, viz, 502.12 pounds, and returned the highest net profit of any cow during this time, with \$84.55. Twenty-two of the cows produced more than 300 pounds of butter-fat per year, on the average, and twenty-five out of the total number of thirty-eight cows yielded a profit of \$40 or more over the cost of the food eaten.

2. The average production of ten cows during their year of maximum production was 376.51 pounds of butter-fat and their average net profit \$58.21. During the year following their maximum production the same cows yielded, on the average, 281.47 pounds of butter-fat and a net profit of \$40.82. Cows making exceptionally high records for a single year are almost certain to require a portion of the succeeding year for recovery, and will therefore give a much smaller production and lower net profit for that year.

Cows belonging to the different breeds represented in the herd yielded, on the average, as follows: Red Polled (one cow), 461.81 pounds of butter-fat per year; Holstein (5 cows), 351.62 pounds; Guernsey (9 cows), 319.62 pounds; Jersey (12 cows), 301.13 pounds; Shorthorn (11 cows), 281.73 pounds.

The average net profit returned by cows of these breeds decreased in the same order from \$56.70 (Red Polled) to \$36.09 (Shorthorn).

The cows in the university herd may be considered as representing three different types of cows, viz, extreme dairy type, a large dairy type, and dual-purpose type. If the results for cows of the same type be averaged, we find that the large dairy cows lead in average annual production of fat with 325.23 pounds, the extreme dairy cows being next with 301.21 pounds, and the dual-purpose cows last with 292.99 pounds. The rank of the cows according to net profit returned, decreased in the same order, from \$45.31, for the large dairy cows, to \$37.82 for the dual-purpose cows.

In the opinion of the authors, cows of the large dairy type of the particular breed suiting the fancy of the farmer and weighing, say 1,000 pounds or more, will, everything considered, be found the most satisfactory for the dairy farmer. Cows of the dual-purpose type on the other hand, are to be recommended for farmers who wish to utilize more or less of the rough feed produced on their farms for raising beef for the market, in conjunction with keeping a number of cows for milk-production. It is not in our opinion, the part of wisdom for our dairymen to select small, refined cows with a spare habit of body in an extreme degree as the most desirable type of dairy cow.

Cows of exceptional merit as producers were found within all the different types or breeds represented in our herd; the main reliance in selecting cows for the dairy herd should therefore be placed, not on any particular type or breed, but on individual excellence for dairy purposes. The best

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indications of true merit in dairy cows are a large digestive capacity, as evidenced by great depth and length of body, and a general refinement in conformation, as shown by fineness of bone in the legs, a clean-cut feminine head, a long fine neck, light shoulders, prominent backbone, a fine, elastic quality of udder, and a well-developed milk-vein system. Minor points are fine, silky hair, thin, unctuous and movable skin, large bright eyes, and a general sprightly appearance.

6. The milk produced by the cows decreased somewhat in quality as the cows advanced in age. The average per cent for the year with cows in our herd came as follows: First year, 4.49 per cent; second year, 4.40 per cent; third year, 4.29 per cent, and fourth year, 4.17 per cent.

7. The flow of milk decreased on the average for all cows in our herd and for four years, with 8 per cent for each month during the progress of the lactation period, and the production of butter-fat decreased 7.3 per cent for each month.

8. Our dual-purpose cows maintained their flow of milk during the progress of the lactation period, as well or better than cows of the dairy types; the shrinkage in the production of milk between the third and the fortieth weeks of the lactation period for the same cows was 44 per cent for the extreme dairy cows; 59 per cent for the large dairy cows, and 49 per cent for the dual-purpose cows, and in the production of fat for the same types of cows, 43, 60, and 46 per cent respectively.

9. The rations fed to the best producers in the herd during the winter periods contained, on the average, 25.28 pounds of dry matter, 2.05 pounds of digestible protein, and 15.22 pounds of digestible carbohydrates and fat, and had a nutritive ratio of 1:7.4. The low producing cows received, on the average 21.14 pounds of dry matter, 1.56 pounds of digestible protein and 12.20 pounds of carbohydrates and fat (nutritive ratio, 1:7.8), while intermediate figures were obtained for the cows with a medium production.

10. Only ten cows out of a total of thirty-three required more than 2 pounds of digestible protein in their average daily winter rations under our system of feeding for a large and economical production. The case of the cow, Ella, weighing about 1,000 pounds, is especially worthy of note, from the fact that she received only 1.48 pounds of digestible protein per day in her winter ration and 12.19 pounds of digestible carbohydrates and fat (nutritive ratio, 1:8.2), and produced 343 pounds of butter-fat yearly, as the average for four years.

According to our present knowledge, we believe that only cows of large capacity will give economical returns for a supply of more than 2 pounds of digestible protein per day, under the conditions present in the Northwest, and in the majority of cases, with good average dairy cows, a supply somewhat less than this may be found most economical.

#### The Dual-purpose Cow.

Though many attempts have been made to develop a breed of cattle profitable for both beef and milk, success in that direction has not yet been reached, and it seems more than probable that such a breed will never be

secured. It is the natural tendency of every cow to use her surplus food either in growth and the accumulation of fat, or in the production of milk. Either of these tendencies may be greatly strengthened by intelligent breeding and selection, but no breed has ever been developed which excels in both beef and butter-making qualities, and improvement in either direction has usually been accompanied by a corresponding loss in the other. It is true that there are some breeds which make animals of fair size and which are also fair dairy animals, but they are only fair as either. The best beef animals and the best milking animals have never been found in the same individuals or even in the same breed, and the cattle-raiser who attempts to raise beef for a living and at the same time to make money by using his cows in a dairy, is almost sure to find one branch of his business unprofitable. A profitable beef animal is one thing, while a profitable dairy cow is something quite different. The man who expects to make his living from a dairy should select the breed which will give him the greatest amount of butter and milk from the smallest number of animals at the least cost.—Prof. S. M. Tracy, in Creamery Patrons' Handbook.

### The Veterinarian.

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

**Bog Spavin.**—Can you tell me what to do for a 2-year-old colt with a bog spavin? And, I think, a thoroughpin, too? I have noticed it for about three months.  
J. L. Coffey County.

**Answer.**—The best treatment would be to shower it with a hose for a few moments, rub briskly until dry and apply a bog spavin and thoroughpin truss, and allow him to wear it an hour or so twice daily. The truss mentioned can be procured of dealers in veterinary instruments. In the absence of a truss, shower with a hose, rub dry and hand-rub the enlargements until pretty well absorbed; then with a swab apply tincture of iodine over the enlargement. Do this once daily until the skin begins to get sore, then withhold for a day or two.

**Swine Plague.**—I have twenty shoats and some sows with pigs in a ten-acre alfalfa pasture. They were doing well until two weeks ago when I began feeding new corn. They are fat and sleek and are gaining right along. One week ago I noticed a 120-pound shoat that did not eat. In a day or two one or two others were affected. The first one is dead. The only symptoms are that they lose their appetites and lie down; their breath comes short and fast and they all cough badly.

Coffey County. OLD SUBSCRIBER.  
**Answer.**—You probably have some swine plague among your hogs. I would advise you to stop feeding new corn, cut down their feed, giving them some shorts, and a little linseed or oil meal in the form of slop. In this slop give some of the Government hog-cholera remedy. Isolate the sick hogs and remove the healthy ones to uninfected ground. See that their quarters are clean and dry and that they have pure water to drink.

Subscriber, Altamont, Kans., see answer "Old Subscriber," Coffey County.

**Lame Sow.**—I have a sow that has been lame for three weeks; the lameness began in her left hind leg and then went to her shoulder. Her shoulder and sides back to her flank are swollen until they are about three inches thicker than usual. She eats well. She squeals with pain when she starts to get up.  
E. N. C. Saline County.

**Answer.**—I do not know what the trouble is with your sow, and can only advise you on general principles. Cut

down her feed and give her plenty of thin slop to drink; rubbing the affected parts with liniment may help some. You had better have a good veterinarian examine her.

**Thumps.**—What is the cause of little pigs having the thumps and a cough? And what can I do for them?  
Shawnee County. J. H. D.

**Answer.**—Thumps is caused by indigestion which usually comes from overfeeding or feeding improper food. The cough is probably caused by an infectious pneumonia, commonly called swine plague. Get the pigs into clean, dry quarters, cut their feed down to a little thin slop, and give some of the Government remedy as recommended in this issue.

**Swollen Sheath.**—I have a bull with a badly swollen sheath; the swelling is about as large as a man's head; more on the left side than the right.  
Marshall County. G. W. B.

**Answer.**—The treatment would depend entirely upon what the swelling is. If there is an abscess containing matter it will have to be opened. If it is a tumor it should be removed. Have a good veterinarian examine him.

**Lame Hock.**—I have a 4-year-old Percheron mare that is lame in the hock joint. There is considerable swelling that runs from the front of the joint to the point of the hock on the outside as well as on the inside of the leg. I have consulted a local veterinarian who prescribed a blister, and later wanted to "fire" it but I objected. What can I do?  
J. R. Riley County.

**Answer.**—I think you had better follow the advice of your local veterinarian, as he can tell much more about it than I can without seeing the animal. In case you do not wish it fired, blister it lightly once in three or four weeks.

**"High" Bone Spavin.**—I have a 4-year-old horse that has a lump on the bone on the outside and inside of the hock joint. He holds that foot off the ground most of the time. The flesh of the hip has shrunk away. He has been in this condition for about eighteen months. I think he was kicked by another horse.  
C. F. B. Stafford County.

**Answer.**—It is doubtful whether the animal will pay for treatment as the chances of success are only fair. Put on a high-heeled shoe and blister the joint or have it fired and blistered. In case a blister only is used it should be repeated lightly in three or four weeks. He should have complete rest.

The muscles will fill out all right when the lameness disappears.

**Abscess.**—I have a fine trotting bred colt 5 months old that has a running sore over his right kidney. Three months ago he got with some wild horses and may have been hurt. The loin swelled up and I opened it and took out about three pints of pus. It has continued to run since.  
W. N. H. Las Animas County, Colo.

**Answer.**—It is probable that this abscess will have to be opened freely and in such a manner as to give good drainage from the bottom. It should be washed out well with an antiseptic and some pure tincture of iodine injected once in three or four days. I think you had better get a good veterinary surgeon to open it. It should get well if properly done, provided there is no foreign body or sliver of bone in the wound.

**Texas or Tick Fever.**—I have just lost a cow from what I think is "dry murrain." This is the second one that I have lost. I have a big fat steer that I fear is taking the same disease. Symptoms: They quit eating and chewing the cud, lie down most of the time. Bowels move freely; urine profuse and very bloody in appearance. They live about a week after first symptoms of sickness. The cow was in a pasture. What is the disease and the remedy? Where can I get a book on diseases of cattle and their treatment?  
J. W. F. Butler County.

**Answer.**—There is really no such disease as "dry murrain." The impaction of the manfolds is only a symptom and is associated with a good many diseases. I think your cows have Texas or tick fever, as that is the only disease, that is at all common, where the urine is red or bloody in color. If you will examine them closely on the inside of the thighs and around the udder and on the thin skin of the belly you should find some young ticks, a little larger than lice, with their heads buried in the skin. The ticks should be removed by greasing them with a mixture of kerosene and lard. Gives the affected animals laxative food, such as green alfalfa. There is no medicinal treatment of value. Animals should be removed from infected pasture.

Write to your Congressman for a copy of the Report by the Bureau of Animal Industry on "Diseases of Cattle and Cattle-feeding."

The writer has a book on "The Care of Stock," in press, but it will not be ready for a few weeks.

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## The Poultry Yard.

CONDUCTED BY THOMAS OWEN.

### Coming Poultry Shows.

November 28-29, Glasco, John Chase, secretary; C. H. Rhodes, judge.  
November 30-Dec. 2, Clay Center, M. B. Caldwell, secretary; C. H. Rhodes, judge.  
December 3-5, Cottonwood Falls, Jennie C. Warren, secretary; C. H. Rhodes, judge.  
December 8-12, Leavenworth, N. R. Nye, secretary; C. H. Rhodes, judge.  
December 14-18, Fort Scott, Jas. Burton, secretary; C. H. Rhodes, judge.  
December 17-19, Lawrence, John Manwarring, secretary; C. H. Rhodes, judge.  
December 21-24, Wellington, Ellen R. Clayton, secretary; Thos. W. Southern, judge.  
December 25-30, Nortonville, C. D. Stillman, secretary; C. H. Rhodes, judge.  
January 4-9, Wichita, H. P. Schoff, secretary; I. K. Felch, judge.  
January 11-16, State show, Topeka, J. W. F. Hughes, secretary; C. H. Rhodes, W. S. Russell, H. B. Savage and J. J. Asherton, judges.  
January 25-27, Asherton, W. G. H. Frasier, secretary; C. H. Rhodes, judge.  
February 1-3, Manhattan, Geo. C. Wheeler, secretary; C. H. Rhodes, judge.  
February 4-10, Manhattan, Kansas State Agricultural College Poultry Institute, Prof. Geo. C. Wheeler, superintendent; C. H. Rhodes, instructor.  
December 7-12, Newton, R. R. Hobbie, secretary; F. W. Hitchcock, judge.

### Cholera.

EDITOR KANSAS FARMER:—Can you tell me what ails my chickens? Yesterday I found four dead ones, one old hen and three pullets. On examination I found the gall very much enlarged; the liver was dark red and seemed to be in a healthy condition. The comb was also dark red.

For several days they had access to a load of millet hay. They have free range, and their food usually consists of corn, table-scraps, and potatoes, and apple-parings well cooked. They always have plenty of fresh water, and all the milk they can drink. They die the very day they are taken ill.

For several months I have not noticed a plan for a chicken house in your paper. We are intending to build one to accommodate 500 or 600 chickens; could you give a plan? R. P. Jackson County.

Answer.—Your fowls have the symptoms of cholera and probably are affected with it. There is no known sure cure for cholera after the chickens once get the disease. The best thing to do is to change their quarters at once, placing them on new ground and in a new house. Isolate the sick ones or kill them and burn the carcasses. We gave a remedy as a preventive of cholera in the FARMER a week or two ago. Keeping their premises clean and not overcrowding is the best thing that can be done. You probably have too many fowls in one flock as you speak of wanting a chicken house to accommodate 500 or 600 fowls. They will not thrive well in flocks as large as this, one hundred is enough for one house and fifty in a flock is better. We will print a plan of a poultry house before long. The main essentials for a good house is to have it warm, well lighted and on a high and dry foundation. We like it facing the south with plenty of glass in front so as to get the benefit of the sun for heat and purification. The plans do not matter so much, as nearly everybody has his own ideas as to minor details.

### Notes.

J. H. Schlegel & Co., Topeka, Kans., whose advertisement appears in this page, offer to send a package of their Berk's Remedy, said to be a remedy for and preventive of cholera, free to all having sick chickens. They must have great faith in it themselves or they could not afford to make such an offer.

If you have any late hatched chicks it is imperative that they should be well fed and housed during the cold weather or they will become stunted and never amount to anything. A stunted chicken, like a stunted pig, is never worth the feed it eats. But if you keep them warm and keep them growing by giving them extra good care, they need not become stunted.

Provide a variety of food for the fowls during winter. To this end it will be advisable to save up and store away all of the small, unmerchantable potatoes, turnips, and apples, as well as the cabbage that fails to head up. They are worth more to feed to the chickens during winter than for any other purpose, and can be used to good advantage either by feeding raw or by

boiling and mixing in their morning mash of bran and chop.

The objection to feeding nothing but corn to laying hens is that it is deficient in lime and contains an excess of carbon which promotes the laying on of fat, which is not favorable to egg-production. The hens become so fat that they get lazy and mope around and quit laying. Give them a variety of feed and plenty of exercise. Still we would not ignore corn altogether, for during cold weather some corn can always be fed to advantage, as it is one of the best foods for maintaining animal heat, hence it is a good plan from this time on to give a good feed of whole corn every night before the fowls go to roost.

### Breeding for Greater Egg Yield.

Desiring to conduct breeding experiments with hens, we found it necessary, first, to be able to determine the eggs produced by each individual. Several appliances and patented devices were examined, but they all seemed open to the objection that while they might indicate, to an extent, the producer of the egg, the lack of certainty would be so great as to render them of little value for our purpose. We constructed a nest box that proved so satisfactory, that we placed fifty-two of them in our breeding house, where they have now been in every-day use for over four years, and they have enabled us to know the eggs produced by each bird with certainty. Aside from the scientific data which might be secured from these undertakings, the leading object was to improve the egg-producing capacities of the succeeding generations of birds.

To secure foundation stock for this purpose more than a thousand hens have received yearly tests.

The boxes are placed four in a bank and slide in and out like drawers and can be carried away for cleaning if necessary. If desired, they could be put on the floor or shelf by simply adding a cover to each box. To remove a hen the nest is pulled part way out, and as it has no cover she is readily lifted up and the number of her leg band noted on the record-sheet that hangs at hand.

OVER FORTY THAT LAID MORE THAN 200 EGGS.

During the four years in which we have been selecting breeding stock by use of the trap-nests, we have found over forty hens that have laid between 200 and 251 eggs per year. The most of them are now in our breeding pens and constitute, until other additions are made to them, the "foundation" stock, upon which our breeding operations are based. All the males, as well as the females, which we breed from have been bred from them. The numbers of the foundation stock now secured makes practicable the avoidance of inbreeding, and this is strictly guarded against, as it is doubtful if the inbred hen has sufficient constitution to enable her to stand the demands of heavy egg-production. All the other breeding stock we are now carrying are tested hens, that have laid over 180 eggs each in a year, pullets whose mothers laid over 200 eggs in one year and whose fathers' mothers laid over 200 eggs in a year; and pullets sired by cockerels whose mothers and grandmothers laid over 200 eggs in one year.

The size and color of the Plymouth Rock eggs are very fine. The eggs from the Wyandottes are of good shape and size, but as yet rather too light.

It is early yet to know what the results of this work are to be. It is the breeding of egg-producers together to secure egg-producers. No matter how great the number of eggs produced, if they are not of good size, shape and color, the bird is rejected as a breeder. While we are not breeding for fancy points or show purposes, the birds are kept within the limits of the requirements of the breed.

The purpose of this work should not be misunderstood. We are not trying to produce stock that shall average a yield of 200 eggs per year. If by furnishing the male birds which we secure, to farmers and poultrymen of Maine, the average egg yields of the hens of the State shall be increased to the extent of one dozen eggs per bird, the value and importance of this work will be many times its cost.

For twenty-one years I have been at work with the same family of Barred Plymouth Rocks, and by selecting typical eggs for incubating have succeeded in very much improving the shape, size and color of the eggs yielded. That was an easy matter, for I simply bred to producers of quality in order to secure quality, and I secured it. I endeavored to increase the egg yields by selecting birds of what I thought was the "egg type," and breeding them together. I had heard a great deal about the "egg type" and had gotten to think it was a hard and fast fact. After using the trap nests for a few years, however, and finding in the same pens, where the hens were all from the same hatch, and fed and treated alike throughout their laying year, some birds that yielded from 220 to 251 eggs, and others that laid only from 40 to 60 eggs during the same time, and not being keen enough of sight and touch, to discover differences of form and feature, sufficient to account for the great variations in yield, I began to lose faith in the "beef and dairy form," as indicating the internal functions of hens, sufficiently to be longer accepted as guides in selecting stock from which to breed egg-producers.

It is a good way to the end of this road along which we are plodding, and the four years passed upon it are not sufficient to yield data with which to establish claims, or prove or disprove theories. Whether we succeed or fail in establishing greater egg-yielding families of Barred Rocks and White Wyandottes, the poultry-breeding public will be kept informed as the generations of birds succeed each other and data is accumulated.—G. M. Gowell, Professor of Animal Industry, Maine Experiment Station, in the Reliable Poultry Journal.

### Food for the Poultry.

Do we really realize that poultry needs greens, water, dust bath, grit and charcoal, until the flock has been yarded a while? Not many do, but let the birds be confined for a while and these things supplied, then their need will be apparent to the most unobservant.

All know the need of these things, but water, excepted, we do not, as some excellent old ladies say, "sense" it exactly. In this our village poultry care-taker is ahead of us.

A chick needs a dust bath just as much as we need a water bath, and if the chicks' care-takers do not supply this need, they are laying up trouble, work, and loss for themselves, in a much greater measure than the omission of dust would warrant. The same is true of grit, charcoal, and greens, while they will not keep lice away, yet the lack of them causes loss and death.

It seems the lack of these things, or the scanty providing of them, is what causes the very short supply of eggs during the winter. Take note.

Don't put off gathering a plentiful supply of road dust till too late. While we use sifted ashes, both coal and wood, to help out the best bath, the road supply always falls short unless the spring is exceptionally early and dry. We use the ashes during very cold weather, to warm up the bath with; for this they are excellent.

The discarded cinders and charcoal, when reduced to proper size, are eagerly eaten by the hens; the cinders for grit, the charcoal for a blood purifier, we suppose. If human bodies would rely more on charcoal and less



### POULTRY BREEDERS' DIRECTORY.

INDIAN RUNNER DRAKES and White Wyandotte cockerels for sale. \$1.50 each. L. D. Arnold, Salina, Kans.

BARRED PLYMOUTH ROCK roosters, \$1 each. Satisfaction guaranteed. Ethel J. Williams, R. F. D. 2, Williamburg, Kans.

WHITE WYANDOTTE Cockerels for sale. \$1.00 each; no hens or pullets. Mrs. E. F. Ney, Bonner Springs, Kans.

BLACK LANGSHAN EGGS for sale, 5 cents a piece. Minnie M. Steel, Gridley, Kans.

BARRED ROCKS ONLY—Heavy boned, vigorous stock, unlimited range. Eggs carefully and securely packed. 100, \$4; 15, \$1. Adam A. Wier, Clay Center, Neb.

FOR SALE CHEAP—Pedigreed Scotch Collie pups. W. H. Richards, V. S., Emporia, Kans.

GEM POULTRY FARM has for sale 400 Buff Plymouth Rock chicks, also 100 last year's breeding stock. Prices reasonable. C. W. Peckham, Haven, Kans.

COLLIE PUPS AND B. P. ROCK EGGS—I have combined some of the best Collie blood in America; pups sired by Scotland Bay and such dams as Handsome Nellie and Francis W. and others just as good. B. P. Rock eggs from exhibition stock; none better; 15 years' experience with this breed. Eggs \$1.50 per 15. Write your wants. W. B. Williams, Stella, Neb.

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## White Plymouth Rocks EXCLUSIVELY.

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\$20 CHICAGO	\$18 CINCINNATI
\$15 ST. LOUIS	\$15 KANSAS CITY

Proportionate Rates from Intermediate Points. Stop-overs. Final Limit, November 10. —VIA—

MISSOURI, KANSAS & TEXAS RY

Ask Nearest Ticket Agent or write G. A. McNeill, D. P. A., Blossom House, Kansas City, Mo.



on patent blood medicines, their bodies, as well as purses, would be better off. So we may learn ever from the hen.

Don't forget a nice supply of sharp gravel; quite a heap of it will be reduced to nothing before spring.

Spade up a sizable space this nice weather, for them to dig in; they will soon pulverize and work it into a nice bathing spot, and will enjoy the work of pulverizing.

Discard all non-paying fowls, whether they are boarding hens, unlikely pullets or superfluous roosters; these are needed merely for the "crow." Quite an amount is lost in this way every season with poultry people.—Indiana Farmer.

#### Home Treatment for Cancer.

All forms of cancer and tumor cured by soothing, balmy oils. Doctors, lawyers and ministers endorse it. Write for free book to the home office, Dr. B. M. Bye Co., Drawer 505, Indianapolis, Ind.

#### How the Tubular Grows.

The remarkable business being done by P. M. Sharples, manufacturer of the Sharples Tubular Separator, at West Chester, Pa., is witnessed by the fact that he is again enlarging his plant. It was only last year that large additions were made which it was supposed would meet all demands for manufacturing and storage. But the inability to keep up with their orders during the past year quickly determined the necessity for the buildings now being erected with all possible speed. They are a brick boxing and storage building 272 feet by 32 feet in size, and a blacksmith and tool-makers' shop with room for tinning furnaces 45 feet by 100 feet. The West Chester factory was already the largest in the country. Nothing short of a phenomenal demand for the popular Tubular could make necessary the extensive enlargements at this time. The prospects for the Tubular would seem to be exceedingly bright, and from a letter just received from the factory and home office we are informed that this is the case. The outlook for the immediate future gives promise of taxing to its full capacity the great plant with all its superior facilities.

#### Sanitation at the International.

At the International Live-stock Exposition to be held in Chicago November 28 to December 5 inclusive, there will be exhibited the grandest and most valuable collection of live stock in the world. As an assurance of the extreme caution and watchfulness of the management against any disease or infection, sanitary arrangements have been perfected, as per the following advice to us:—

The Zenner Disinfectant Company, Detroit, Mich., Gentlemen:—Your work in connection with disinfecting the various buildings of the International Live-stock Exposition having proved so satisfactory to the exhibitors and ourselves the past two years, I hereby award you the contract for performing the services again this year at the International. We want you to use Zenoleum entirely in caring for the sanitation of the buildings. You will therefore please be all ready to take charge of this work prior to the opening of the show. Yours very truly, W. E. Skinner, General Manager.

#### \$8,000 for a Hog.

was the enormous sum paid by E. J. Hurst, proprietor of Oak Grove Herd and breeder of pure bred Poland-China hogs, for this boar, "Majestic Perfection." The following letter was received from Mr. Hurst in reply to our request for a picture of the hog:

Prussian Stock Food and Remedy Co., St. Paul, Minn.

Dear Sirs: Yours of March 23 at hand. Would have made a reply sooner, but have been attending stock sales in the West. Mr. Spurling has made a sketch of the hog and electrots are now being made. If you desire will send you one as soon as they arrive. As to Prussian Stock Food, will say I have been using it since I started in business of breeding hogs and I am highly pleased with it. I have never lost a hog by any disease. I think the Prussian Stock Food will do all that it claimed for it to do. E. J. HURST, Macy, Ind.

#### A Fine Display.

A fine display of gasoline engines made by the Weber Gas & Gasoline Engine Co. at the American Royal last week attracted the attention of many interested visitors during the week. In fact the display which this company made far exceeded anything they have ever done during the week of previous shows, and the large number of engines sold during the week is an indication of their popularity with our readers and the growing demand for small gasoline engines on the farm and ranch where there is water to pump, wood to saw, a shredder to be run or feed to be ground. A gasoline engine will do all this kind of work, without the aid of an expensive engineer. Any practical farmer can operate one and at a very small cost. Any one that is interested should write the Weber Gas & Gasoline Engine Co., Kansas City, Mo., for one of their illustrated catalogues which will give all necessary information. The catalogue is free for the asking.

In this issue of the Kansas Farmer will be found an advertisement of the Oklahoma Steel Stockwater Pool, manufactured by Hudson & Cook, Oklahoma City, Okla. This pool is a novelty in the way of providing water for stock. It is composed of sheets of the best tank steel 3-16 of an inch thick and three feet wide, bolted together so that there is absolutely no leakage and with a flange turned at the bottom so as to prevent seepage. The steel sheets are bolted together and let into the earth a short distance, the bottom is then puddled and the purchaser then has the knowledge that he will never

be bothered with mud around his watering tank. We are in receipt of a letter from Thos. Kelly, president of the National Live-stock Commission Company, Kansas City, Mo., in which he says that his company is delighted with the thirty-one steel stock pools which Messrs. Hudson & Cook lately installed on their great ranch in Texas. Mr. Kelly also says that they take pleasure in answering questions in regard to this stock pool and has instructed all of his Texas agents to speak well of it on all occasions.

#### Union Pacific Railway.

One-way rates in effect daily until November 30, 1903. To Ogden and Salt Lake City, Utah, Butte and Helena, Montana, \$20. To Spokane, Wash., and Huntington, Oregon, \$22.50. To Portland, Oregon, and Tacoma and Seattle, Washington, \$25. To San Francisco, Los Angeles and San Diego, California, \$25. Correspondingly low rates to many points in the same territory. Tourist cars on through trains for passengers to these points. J. C. Fulton, Depot Agent, Phone 34. F. A. Lewis, City Ticket Agent, 525 Kansas Avenue.

#### Speaks for Itself.

Cor. Monastery Ave. and 18th St. Extension, Pittsburgh, Pa., Mar. 29, 1903. Dr. B. J. Kendall Co., Enosburg Falls, Vt. Gentlemen: Enclosed please find stamp for one of your "Treatise on the Horse and His Diseases." I have had one for years, but lost it and can not be without one. Kendall's Spavin Cure speaks for itself. Very truly yours,

GEORGE ROHE.

#### Exceptional Clubbing Offer.

The thrice-a-week World long ago established itself in public favor and it is now recognized as the strongest publication of its kind in the United States. The regular subscription price is only \$1.00 per year, and this pays for 156 papers. We offer this unequalled newspaper and the Kansas Farmer together one year for \$1.50. The regular subscription price of the two papers is \$2.00.

#### "ELI" HAY BALERS.

38 styles and sizes. The world's standard. Work fastest, bales are tightest and shapeliest. Load easy to be advantage. Bales that endure, insure safety and facilitate work. Steel and wood frames, horse and steam powers. All catalog free. Collins Bros. Co., 1120 Hampshire St., Quincy, Ill.

#### FARMS in CALIFORNIA

33,000 acres irrigated lands in Fresno county, California. Raisin and Fruit Center of the World. Dairying and Stock Raising. For sale in tracts to suit on easy terms. For particulars and terms address S. N. CHAFFIN, Resident Agent, Fresno, Cal., or 99 Dearborn Street, Chicago, Ill.

#### WELL DRILLING MACHINERY.

Established 1867. PORTABLE and drill any depth, by steam or horse power. 42 DIFFERENT STYLES. We challenge competition. Send for Free Illustrated Catalogue No. 22. KELLY & TANEYHILL CO., 28 Chestnut St., Waterloo, Iowa.

#### Well Machinery.

For drilling and boring either deep or shallow wells, in any kind of soil or rock; with engines or horse power. Easily operated; built strong and durable. Used for over 20 years and they are no experiment. Before buying send for our free illustrated catalog. THE W. M. THOMPSON CO., Sioux City, Iowa.



#### 1,500 FEET OF WIRE

from the Page Fence that stopped the big runaway racing auto at the Zanesville, O., fair, was cut up into short pieces and carried away as souvenirs by the people who saw the tragic accident in which so many were killed or injured.

PAGE WOVEN WIRE FENCE CO., Adrian, Mich.

#### THE LARGEST AND BEST LINE OF WELL DRILLING

#### MACHINERY in America.

We have been making it for 20 years. Do not buy until you see our new Illustrated Catalogue No. 41. Send for it. It is FREE.

F. O. AUSTIN MFG. CO., CHICAGO.

#### \$10.00 A Sweep Grinder For \$10.00

We manufacture Wind Mills, Steel Towers, & Feed Grinders. All sizes & styles. Write for catalog & prices. CURRIE WINDMILL CO., Topeka, Kansas.

#### CORN CRIB Holds 400 Bu.

Cheap, handy and economical, can be set up in ten minutes. Ask your lumber dealer for the "Denning Corn Crib." If he has not got them write us for price. We manufacture woven wire and lawn fence.

THE DENNING FENCE WORKS, Cedar Rapids, Iowa.

**WE GUARANTEE** that under the same conditions as to power and speed applied, condition of corn, etc.,

**The Appleton Corn Husker**

will do more and better work than any other machine of like character and corresponding size on the market; that it is simpler in construction; easier in every way to operate; easier and safer to feed and to require less power for successful operation. The proof of these claims is sent for the asking. We make also a complete line of sweep and tread horse powers, shellers, ensilage and fodder cutters, feed grinders, wood saws, windmills, etc. Remember that Appleton quality is the standard of excellence.

**APPLETON MFG. CO., 19 Fargo St., Batavia, Ills.**

**WHITMAN'S** New Improved Porter **EAR CORN CRUSHER.**

It will crush Ear Corn with husks, wet or dry, frozen or soft, green or hard, at the astonishing rate of 800 to 1000 Bushels per day, using from two to four horse power. It is fed by Scoop, the ears are split and cut and shucks torn and mixed with the Corn.

It is the most practical Machine for large Feeders.

**WHITMAN AGRICULTURAL CO., St. Louis, Mo.**

**J. G. PEPPARD, MILLET CANE SEEDS**

1101 to 1117 West 8th St. (Near Santa Fe St.) Kansas City, Missouri. **CLOVERS TIMOTHY GRASS SEEDS**

**Alfalfa Seed** Fresh Seed. Crop 1903.

Pure and free from weed seed. Write for prices. Can fill orders promptly. Macaroni Wheat in bushel or car-lots.

McBeth & Kinnison, Garden City, Kansas

**NEW CROP SEEDS**

FOR FALL SOWING IN STOCK NOW.

Alfalfa, Timothy, Kentucky Blue-grass, English Blue-grass, Red Top, Orchard Grass, Brome Grass, and Bermuda Grass; also Seed Rye and Seed Wheat. State varieties and quantities wanted and we will quote you promptly.

**KANSAS SEED HOUSE, F. Barteldes & Co., Lawrence, Kansas.**

**Plant Trees For Posts**

Catalpa, Osage, and Russian Mulberry Seedlings, one year old for planting. The Catalpas are from seed selected from known Speciosa trees. Write for prices stating number wanted.

**Peters & Skinner, North Topeka, Kansas.**

**We Sell Direct to the Planter**

Saves Agent's Commission of 40 Per Cent. Certificate of Genuineness furnished. Send now for Illustrated Catalogue free, if you need TREES of any kind. Freight prepaid. Packing and Boxing Free. Address

**Wichita Nursery, Wichita, Kans.**

**BLACKLEGOIDS**

BEST PREVENTIVE OF BLACKLEG.

Blacklegoids afford the latest and best method of vaccination against blackleg—simplest, safest, surest. They are always ready for use; no filtering, measuring or mixing is necessary. Accuracy of dosage is always assured, because each Blacklegoid (or pill) is exactly sufficient for one inoculation. Administration with our Blacklegoid Injector is easy. The operation need not consume more than a minute. Blacklegoids are sold by druggists; ask for them.

Our newly printed eight-page folder on the "Cause and Nature of Blackleg" is of interest to stockmen. Write for it; it is free.

**PARKE, DAVIS & CO. - DETROIT, MICH.**

Branches: New York, Kansas City, Baltimore, New Orleans, Chicago, Wallingford, Ont.; Montreal, Que.; London, Eng.

**THOMPSON-LEWIS Gasoline Engines**

furnish the greatest possible power at the lowest possible cost in time, labor, fuel and money. They are so simple that anybody can run them without expert training or experience. Our Volume Governor gives uniform speed. Our Acme Mixer is the most positive and economical on the market. Our Hand Starting Lever starts engine with least effort. All bearings of Iridium Bronze. Best material and workmanship throughout. Many sizes from 4 (actual) h.p. up. Best for all farm work—cutting and grinding feed, sawing wood, pumping water, separating cream, churning, etc. Send for free catalog before you buy. It may save you time, money and annoyance.

**J. THOMPSON & SONS MFG. CO., 117 BRIDGE STREET, BELoit, WIS.**

## Stock and Grain Ranch FOR SALE.

2,000 Acres, 400 acres in cultivation, balance divided in five pastures. All watered good barn and granaries. This is one of the best ranches in southwestern Kansas. Will sell very reasonable and on most liberal terms.

**S. B. ROHRER, Topeka, Kansas.**

## \$200,000 PRODUCED BY CLEAR CREEK COUNTY—Where the Gold Hammer M. & T. Company's Property is Located

Property within 600 feet has produced \$3,000,000. Shaft is now down 220 feet in good ore.

We must have heavier machinery and are selling Treasury Stock to buy it for ten cents per share. Write for full particulars. IT WILL MAKE YOU BIG MONEY. Mining with us is a "business, and not a gamble."

Live Agents Wanted. **W. H. COMBS, Sec'y and Treas., 722 Equitable Bldg., DENVER, COLORADO.**



## Gossip About Stock.

(Continued from page 1113.)

of the world record John R. Gentry 2:00 1/4 and of Grattan 2:13, one of the best race horse sires in the West. The dam of this fine colt is Maude Gentry 2:27 1/2 and both are the property of the Buchanan Stock Farm at Sedalia. The colt is a yearling with the size and physical development of a 2-year-old and is entered in \$45,000 worth of futurity engagements.

A sale worth remembering in Shorthorn circles is the combination sale, November 17, at Sedalia, Mo. The advertisement will give you a list of the prominent herds that are represented and the breeding can be found in catalogue which you can get by addressing S. W. Roberts, Pleasant Green, Mo. Some of the great sires and show animals in this county are represented in the offering and if you want a good Bates or Bates-topped, Scotch of Scotch-topped animal you ought to attend this sale. Look up advertisement and remember date, November 17.

Lovers of practical Shorthorn cattle should not overlook the sale of Harrison, McCue, Garwood & Guthrie at Auxvasse, Calloway County, Missouri, on November 11. This offering will consist of animals of both sexes and will be of the Scotch-topped American sorts and Bates breeding. They are a good, useful lot of cattle and are of good breeding. No overfed cattle in the sale, and being close to the Emmond sale at Mexico on the 10th, those not getting what they want at that sale will have an excellent chance to buy at this sale the day following. Remember the date, November 11, and send for catalogue to Mr. C. A. McCue, Auxvasse, Mo.

With the general development of the West, and especially since the enormous strides that have been made in the dairy industry, there has been a continuous increase in interest in dual-purpose cattle. Among the breeds of dual-purpose cattle the Red Polls stand very high, as they not only furnish an abundant flow of milk but develop of good carcass and prove themselves an ideal farmer's cow. Mr. D. F. Van Buskirk, Blue Mound, Kans., has long been a breeder of choice Red Polls and Poland-Chinas swine. Indeed he owns the oldest herd of Red Polls in Kansas, and has built it up to such a degree of perfection that his name is synonymous with good cattle. Look at his breeder's card on page 1107 and write him a letter.

Thos. Teal & Son, the breeders of the big herd of prize-winning Berkshire hogs at Stockport, Iowa, write us that their show herd has just arrived home after being on the State fair circuit for nine weeks, during which time they have continued to thrive, and now, after a trip of 2,600 miles, they are in fine condition. During the season of 1903 they showed at six State fairs and won seventy-five prizes, thirty-three first prizes, thirty second prizes, five third prizes, and seven sweepstakes. They still have a nice string of about 100 head of spring farrow equally divided as to sex for sale. These pigs are offered in fine, thrifty condition and are of the same breeding lines as their show herds which have won 195 prizes since the 1901 fair season. These choice Berkshires are quoted at very reasonable prices, and a letter to them will bring full information.

On Tuesday, November 3, at Cuba, Republic County, will be held the annual sale of O. B. Smith & Sons, owners of the Republic County Herd of Poland-China swine. In this sale will be some specially choice offerings, among them two gilts sired by Highland Chief, Jr., the Nebraska State Fair prize-winner. Others will be offered that are as good individuals and come from Tecumseh, Wilkes, Black U. S., and Perfection families. The herd-boars in use at this time are Moonshine 26959 and Phinice Cimax 62363. The Messrs. Smith have won a reputation as being the breeders of a very prolific strain of Poland-Chinas, a mention of which was made in the Kansas Farmer some time since. They are of the type that is demanded by Western farmers and feeders, having large bone, good length, heavy bodies and finish that seems to meet the approval of Western farmers and stockmen. Write to them for a catalogue and be sure to be on hand at Cuba, Tuesday, November 3.

John Bollin, Kickapoo, Kans., will hold his annual sale of fifty head of Poland-Chinas in the city of Leavenworth on November 5. The sale will be held in Wilson & Baker's barn on Delaware Street between Seventh and Broadway. The offering will consist of five yearling sows, one fall yearling boar and the remainder March and April pigs. In addition to having a lot of mighty good hogs to offer, Mr. Bollin is especially liberal as to terms. He gives free accommodations to breeders and farmers from a distance at the best hotel in Leavenworth, the National. Sales amounting to \$20 or less will be cash. Over that amount 8 per cent interest will be charged on bankable notes. Leavenworth is very easily accessible on nine railroads and the trolley line between Leavenworth and Kansas City, which runs every hour. In this sale will be offered the blood of Missouri's Black Chief, Chief Perfection, Ideal U. S., Corwin I. Know, Sydnor's Chief, and Nemo L's Duke. John Bollin raises good hogs and they bring good prices when he sells them but the best of all they make money for those who buy them.

Among the breeders' cards this week will be found that of McFarland Bros., Sedalia, Mo., who have won remarkable reputation as breeders of prize-winning Duroc-Jerseys. Visitors at the Topeka Fair of last year will remember the remarkable quality of the showing of Durocs made by McFarland Bros., who had just returned from a tour of the great State fairs with a long string of ribbons. Those attending the Ottawa fair last year will remember the interest excited by this exhibit because they were not only the only Durocs on the grounds but were the first that very many of the patrons of that fair had ever seen. As a result of the sales made by McFarland Bros. at Ottawa fair the Duroc-Jerseys bred in Franklin County and exhibited at Ottawa outnumbered all other breeds on exhibition. This year they showed at

Missouri State Fair and won fourteen first prizes out of a possible sixteen. At the American Royal in 1902, they carried away thirteen ribbons and last week at the same show with a smaller herd they secured seven ribbons. Their herd now includes fifteen sows that have won first prizes in State and National shows. Their card is on page 1120.

Among the Shorthorn cattle offered by Purdy Bros., Harris, Mo., at their sale on Thursday, November 12, will be a number of choice herd-bulls. The first of these is Fairview Viceroy by Glenwood Viceroy 180677, a Cruickshank Victoria bull of excellent quality and good enough to stand at the head of many a herd. No. 9 in the catalogue is Orange Chief, a son of Lord Lovel 130157 by St. Valentine. This great young Orange Blossom bull was third prize-winner last week at the American Royal, where to win any prize is an honor. He will be offered in the sale and will be a plum for some one who has a purse long enough to reach him. No. 11 of the catalogue was also shown at the American Royal. He is a Goldendrop bull sired by Golden Dawn (363779), a richly bred Scotch bull of very blocky type and fit to head some good herd. He showed in the senior calf class this year at the American Royal. Another American Royal prize-winner last week is the heifer No. 28, of the catalogue. This is a Young Mary, sired by Lord Lovel, who won ninth prize in a class of thirty-seven. Those who were present know that she had to be mighty good to get in the money in this senior heifer class. The catalogue, which will be furnished by Purdy Bros. for the asking, is full of wonderfully rich pedigrees, embracing some of the best-known Scotch families as well as the best Bates lines of breeding. Col. F. M. Woods will have charge of the auction and bids may be sent to him, though we feel sure that any breeder or farmer who will write for a catalogue will make every possible effort to be present after seeing the pedigrees therein.

D. A. Kramer, Washington, Kans., will offer the best string of Poland-Chinas that he has ever had at his forthcoming sale. There will be twenty-five spring sows and fifteen boars. Part of these will be the get of Ideal Black Chief, by Missouri's Black Chief out of a Nox All Wilkes sow. Part of the offering are the get of Little Mac 14992 and the balance are by his great Sunshine boar, Sunshine Success 71697 by Ideal Sunshine. Mr. Kramer has been known for years as a breeder of Poland-Chinas of such reputation that other well-known breeders of this and other States are regular patrons at his sales. This offering will include such blood as Missouri Black Chief, Ideal Sunshine, Mac Wilkes, and others of the best to be had. Free transportation to and from the sale, a good lunch, and the best of hogs will give the buyer an opportunity not to be missed. Remember the date, November 10. David Cook, Washington, Kans., will hold a sale of Poland-Chinas at his farm November 11, the day following Mr. Kramer's sale. Both these gentlemen live near Washington and have a splendid offering of young Poland-Chinas. Mr. Cook will have boars and gilts sired by O. K. 27340 by Moonshine, he by Best on Earth. O. K.'s dam was sired by Royalty 13295 and there will be a number of his brothers and sisters offered in the sale. Others will be the get of Second Chief I Am 27341 by Chief I Am and out of Pretty Priceless 54481. Major Expansion 30464 by Expansion Searchlight. There will also be a few by Sunshine Success and a few by Onward Perfection. The two sales of Messrs. Cook and Kramer will afford an exceptional opportunity to buy choice Poland-Chinas and the offerings made by the two herds are so varied in blood lines that purchasers can buy some at each sale and be sure of their not being related. Write to David Cook, Washington, Kans., for catalogue and examine the pedigrees. It will pay.

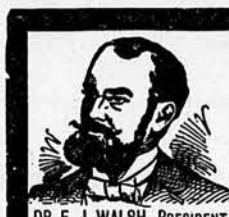
## \$100 REWARD \$100.

The readers of this paper will be pleased to learn that there is at least one dreaded disease that science has been able to cure in all its stages, and that is Catarrh. Hall's Catarrh Cure is the only positive cure known to the medical fraternity. Catarrh being a constitutional disease, requires a constitutional treatment. Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system, thereby destroying the foundation of the disease, and giving the patient strength by building up the constitution and assisting nature in doing its work. The proprietors have so much faith in its curative powers, that they offer One Hundred Dollars for any case that it fails to cure. Send for list of testimonials. Address

F. J. CHENEY & CO., Toledo, Ohio.  
Sold by Druggists, 75c.  
Hall's Family Pills are the best.

## Roadlyn—A New Townsite in Bremer County, Iowa.

Opening sale of lots will take place November 10. On that date special trains will be run from Dubuque, Marshalltown, Fort Dodge and McIntire, Iowa, and intermediate stations. For particulars address E. B. Magill, Mgr. Townsite Department, Chicago Great Western Railway, Fort Dodge, Iowa.



## DISEASES OF MEN ONLY.

The greatest and most successful Institute for Diseases of Men. Consultation free at office or by letter. BOOK printed in English, German and Swedish, Explaining Health and Happiness sent sealed in plain envelope for four cents in stamps. All letters answered in plain envelope. Variococle cured in five days. Call or address

Chicago Medical Institute,  
518 Francis Street,  
ST. JOSEPH, MISSOURI.

# ARMOUR-FUNKHOUSER PUBLIC SALE

108 Imported and American Bred

# HEREFORD

REGISTERED CATTLE, INCLUDING 97 COWS AND 11 BULLS.

KANSAS CITY, MO.

(Stock Yards Fine Stock Pavilion.)

Tuesday and Wednesday, Nov. 17 and 18, 1903.

We will have Hereford Cattle in this sale of nearly every good strain, both English and American breeding. The offering is not all of the show-ring class, but all of good individual merit.

The Charles W. Armour contribution consists of cows principally from his last two English importations. A grand lot of breeding animals, and most of them bred to drop calves from 2 to 4 months after date of sale, from such noted sires as Imported "Majestic," Imported "Bell Metal" and "Lord Pretty Face."

The Funkhouser contribution includes an exceptionally fine lot, 75 per cent of which are of his own breeding. The cows are bred to the champion, "March On 6th," winner of the Armour cup at the Kansas City American Royal, 1902. "Hesiod 8th," that weighed 2410 pounds when two years old, and "Onward 8th," winner of first in class and junior sweepstakes in the 1903 Missouri State Fair. The bulls in this offering will range in age at time of sale from 11 to 19 months.

## WRITE FOR CATALOGUE.

ADDRESS EITHER

JAMES A. FUNKHOUSER,  
Plattsburg, Mo.

CHARLES W. ARMOUR,  
Kansas City, Mo.

## SALE OF Shorthorn Cattle



ON

Wednesday, November 11, 1903

At Auxvasse, Mo.,

Messrs. Harrison, McCue, Garwood, and  
Guthrie will sell

40 Head of Choice

Registered Shorthorn Cattle

Of both sexes. For catalogue address

C. A. McCUE, Auxvasse, Missouri.

## GREAT DOUBLE SALE OF Poland-Chinas

Two of the Best Herds in Northern Kansas

## 40 HEAD

of the choicest—15 boars and 25 gilts sired by Kansas Black Chief 27456, Little Mac 14992, Sunshine Success 71697. Sale at farm northwest of Washington.

Tuesday, Nov. 10, 1903.

Free transportation to the farm and lunch on the grounds.  
Send for catalogue to

D. A. KRAMER,  
Washington, Kansas.

## 45 HEAD

of Best On Earth, Chief I Am and Sunshine blood, sired by O. K. 27340, Second Chief I Am 27341, Major Expansion 30464, and Sunshine Success. Sale at farm southeast of Washington.

Wednesday, Nov. 11, 1903.

Free transportation to the farm and lunch on the grounds.  
Send for catalogue to

DAVID COOK,  
Washington, Kansas.

Bids may be sent to either owner or to Col. L. W. Leonard, Pawnee, Neb., auctioneer.

## MAINS' HERD OF POLAND-CHINAS

Over 200 Head with fall farrow, of large, early litters, good length and heavy bone, sired by Perfection Style 2990 S, he by Chief Perfection 24, Kemp's Perfection 24, L's Perfection 24, and other noted boars out of well-selected sows of the latest leading strains. The spring farrow has been reserved for this fall's trade. I think I can furnish what you want.

JAMES MAINS, Oskaloosa, Kansas.



## THE MARKETS.

## Kansas City Live Stock and Grain Markets.

Kansas City, Mo., October 26, 1903. With 76,000 cattle in sight at five markets to-day and a bigger proportion of corn-fed steers on sale here than usual, prices dropped 10¢ to 15¢ and late sales showed all of the advance had last week completely wiped out. Jacob Lichty, of Morrill, Kans., topped the market with a drove of well-rounded 1,587-pound native steers that sold for \$5.40. Some fine 1,550-pound "J. J. Westerns" brought \$5.10. The cow market opened strong and closed easy, Colorados selling up to \$2.90 and the bulk of the fat grass she stuff bringing \$2.25. Cattle receipts here last week were 63,800 head and the run at other markets was fair to liberal. Buyers took hold with more readiness than they have shown for some time and prices were on a stronger basis. Fat bulls and stags were the one exception to this rule.

Hog receipts here to-day were 3,000 head and Chicago's supply was light. The packers had been counting on big runs owing to the close last week but they were fooled. Accordingly prices advanced 5¢ to 10¢ and the advance was maintained throughout the day. Tops brought \$5.60 and the bulk of the hogs sold at \$5.25 to \$5.50, fully as well as a week ago. Tasty lights weighing around 150 pounds are now coming back into favor while the buyers are hammering 300 to 350 swine and neglecting them. Hog receipts here last week totaled 31,200 head, a gain of 14,000 over last year. Chicago recorded a loss of 28,000 from a year ago. The week opened with a disastrous break of 15¢ to 25¢ but towards the finish this was all regained with the exception of about a dime and to-day's advance removes that loss.

Ten thousand sheep came to this market to-day, which number included a big share of stockers, mainly Mexicans. Other markets were lower but killers here were free buyers and prices ruled steady. Native lambs brought \$5 for top, Western yearlings sold for \$3.65 and wethers for \$3.35. A band of 35-pound feeding lambs brought \$3.35. Sheep receipts last week amounted to 42,300 head, one of the biggest runs of the season. Prices dropped 10¢ to 15¢. Wednesday saw lambs off worse than this, but the decline was checked and partly regained at the finish of the week.

Horse receipts were light at 400 head, against 667 last Monday and 500 a year ago. The bad breaks of the past three weeks are largely responsible for the reduction in receipts to-day. Prices ruled steady with bidding slow. Offerings were mediocre in quality and this had much to do with giving a sluggish aspect to the market. Tasty drivers sold up to \$142.50, drafts to \$175, and the bulk of work horses moved at \$75 to \$110.

Wheat sold steady here to-day while corn and oats eased off a little. Last week saw a decline of 1¢ in all the primary grains, owing to the most part to good receipts and bearish news from the Northwest. There was an improvement in the export demand for wheat to-day and traders are hoping this will have a salutary effect upon the market during the ensuing days of the week. Quotations for grains are: No. 2 wheat, 73¢ to 83¢; No. 4, 62¢ to 75¢ (red outsetting hard wheat 5¢ to 10¢ per bushel); No. 2 corn, 38¢ to 38½¢; No. 4, 37¢ to 37½¢; No. 2 oats, 34¢ to 35¢; No. 4, 32¢ to 33¢. Eggs are coming in slowly and prices are holding firm. The same may be said of all classes of poultry and of game. There is not enough of the latter coming to meet the demand and shipments are urged. Eggs are worth 19¢ to 19½¢; hens 17¢ to 18¢; turkeys 12¢; ducks 9¢; geese 5¢; wild ducks \$2.50 to \$3 per dozen. Potatoes 60¢ to 70¢ per bushel. H. A. POWELL.

## South St. Joseph Live Stock Market.

South St. Joseph, Mo., October 26, 1903. Under heavy marketing of cattle at all points the fore part of last week the trend of prices for beef steers was decidedly lower, but with reduced supplies the latter part there was a better feeling here as well as at other markets, which indicates that under moderate receipts the trend of values would be higher for anything at all desirable, as these kinds are on the decrease while common and medium natives and Westerns are the rule, which is also true on the quarantine side. It is generally believed here that the big end of the summer-fed cattle are in, but that there are a good many common cattle in the country that will come in the next two or three months. The good grades of cow stuff in all departments sold readily on a stronger basis and other kinds at steady values. The demand on country account was not up to the receipts of stock cattle, which, coupled with adverse beef steer market, caused a lower trend of prices to rule for all offerings not grading good.

Despite the supplies of hogs last week at the five big markets showed an increase with the previous week, the trend of prices was higher, but the trade do not expect any liberal marketing until the market is in a more stable condition. Heavy weights are coming in quite less numbers while lights and medium are on the increase, and one market feature of the trade was the narrowing in the spread between these two grades. It is the general opinion that the supply of weighty hogs in the country has been well thinned out and that the receipts of the spring crop of pigs will be on the increase from now on.

There was a good increase in the supplies of sheep last week, as compared with the previous week, and while Western rangers continued to make up the big end of the offerings, the movement from New Mexico and Colorado was the freest of the season, with a big band of Texas and quite a sprinkling of natives included. The adverse turn in the markets east, where supplies were too large, lambs lost 15¢ to 25¢, with ewes suffering about the same decline, while yearlings and wethers held fully steady.

One Fare Plus \$2, Round-trip Rate via Chicago Great Western Railway.

To points in Canadian Northwest, Minnesota, North Dakota, Manitoba, Idaho. Ample return limits. Tickets on sale November 3 to 17. For further information apply to Geo. W. Lincoln, T. P. A., 7 West 9th st., Kansas City, Mo.

## Special Want Column

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

## CATTLE.

FOR SALE—Choice registered Hereford bulls, 8 to 15 months old. Address, or call on A. Johnson, R. R. 2, Clearwater, Kans.

FOR SALE—Four thoroughbred Shorthorn bulls, color red, from 5 to 21 months old. Also a few thoroughbred cows and heifers. For prices write, J. P. Engel, Alden, Rice Co., Kans.

BEULAH BEAU 10048, R. 8, the 11-month old Red Polled bull, grand individual, richly bred, for sale at Beulah-Land farm. Price \$100. Wilkie Blair, R. R. 1, Girard, Kans.

RED POLLED BULLS. Some fine young bulls or sale. H. L. Pellet, Eudora, Kans.

FOR SALE—The imported Shorthorn bull Mark Hanna 127532, also several of his get, serviceable ages. F. H. Foster, Rural Route 6, Lyons, Kans.

FOR SALE—Registered Shorthorns \$50 each. Best of breeding, splendid individuals, cows and heifers bred to imported Royal Briton, calves and yearlings. Must sell carload or more. Write at once. Also some choice Poland Chinas very cheap. M. C. Hemenway, Hope, Kans.

FOR SALE—Two double standard Polled Durham bulls, one my herd bull three years old, one yearling. A. L. West, Garnett, Kans.

FOR SALE—Guernsey bulls from best registered stock. J. W. Perkins, 423 Altman Building, Kansas City, Mo.

FOR SALE—Ten registered and ten high-grade Jersey cows, from 2 to 5 years old; most of them will be fresh next month. Will be sold worth the money to anybody wanting some good cows. M. S. Babcock, Nortonville, Kans.

## SHEEP.

FOR SALE—Shropshire rams; one aged ram, and a few ram lambs. A. M. Dull, Washington, Kans.

COTSWOLD RAMS—Eight 2-year-olds, for sale by W. Guy McAndrews, Cottonwood Falls, Kans.

FOR SALE—Registered Shropshire rams, sired by the famous ram, Look Me Over 155469. Closing out sale in December account of health. E. S. Kirkpatrick & Son, Wellsville, Kans.

FOR SALE—250 high-grade yearling Shropshire sheep in Woods County, Oklahoma. 100 ewes and 150 wethers. Time will be given to responsible parties. Address, W. W. Cook, Russell, Kans.

## POULTRY.

S. C. B. LEGHORNS—Choice cockerels for sale. Eggs in season, \$1 per 15; \$4 per 100. J. A. Kauffman, Acme, Kans.

## SWINE.

DUROC-JERSEY SWINE—3 yearling herd boars, fine lot of good males and bred gilts, also pigs in pairs. Pedigrees furnished. Write for prices. M. H. Alberty, Cherokee, Kans.

FOR SALE—Thoroughbred Poland-Chinas, both sexes at farmers' prices. Our fine herd boar, grandson of Perfect Perfection, after November 20. Langshan chickens. W. H. Plant, Mulvane, Kans.

FOR SALE—Duroc-Jersey male pigs, weight 120 pounds. Price \$12. W. E. Mason, Berryton, Kans.

FOR SALE—A few choice Poland-China boars old enough for service this fall. Also Shorthorn bulls, all reds from 10 to 20 months old, and a few good Plymouth Rock cockerels, cockerels \$1 each. A. F. Huse, Manhattan, Kans.

FOR SALE—O. I. C. pigs both sexes, healthy and thrifty; also one year sows, registered. Satisfaction guaranteed. Asa Chandler, Randolph, Mo.

DUROC-JERSEY PIGS—Recorded; also herd boar, Victor Chief. L. L. Vrooman, Hope, Kans.

FOR SALE—Pure bred Duroc-Jersey pigs, April farrow. Some very choice pigs of either sex. F. A. Hill, Durham, Kans.

FOR SALE—Duroc-Jersey boar, ready for service. He is from the famous Blocher-Burton stock. February pigs now ready for sale. J. P. Lucas, 113 West 23rd St., Topeka, Kans.

## HORSES AND MULES.

FOR SALE OR TRADE—Percheron and French Coach stallions, and one imported Shire mare, for good native cows, yearling heifers not bred, or heifer calves. W. H. Richards, V. S., Emporia, Kans.

FOR SALE—The best ¾ Percheron stud colt in Kansas, 28 months old, 1500 pounds, also younger ones of like quality. F. H. Foster, Rural Route 6, Lyons, Kans.

FOR SALE five Jacks, one to seven years old, all blacks. One Clydesdale and one Percheron stallion, registered. Would trade Jack for mares. J. C. Strong, Moran, Kans.

FOR SALE OR EXCHANGE for sheep or cattle, one imported registered Percheron stallion, black. One black Missouri-bred Jack 3-year-old—will make a large Jack. Can be seen one-half mile south of city limits. J. C. Hentzler, Rural Route No. 6, Topeka, Kans.

WANTED—To buy or trade, a Clydesdale stallion for a span of good mules. H. W. McAfee, Topeka, Kans.

PROSPECT FARM—CLYDESDALE STALLIONS, SHORTHORN CATTLE and POLAND-CHINA HOGS. Write for prices of finest animals in Kansas. H. W. McAfee, Topeka, Kans.

## SEEDS AND PLANTS.

FOR SALE—Texas red oats. Weight forty pounds per bushel. Write for prices and sample. Will Shelton, Sherman, Texas.

WANTED—New crop alfalfa, red clover, timothy English blue-grass, and other grass seeds. Correspond with us. Kansas Seed House, F. Barteldes & Co., Lawrence, Kans.

200,000 FRUIT TREES! Wholesale prices; new catalogue. Baldwin, Nurseryman, Seneca, Kans.

## FARMS AND RANCHES.

THIS EASTERN KANSAS FARM of 160 acres for \$6,000. Joins town with two railroads, 85 miles from Kansas City, house, barn and fences good and in first class condition, deep well, never failing water, windmill, tanks and nice orchard, 9 acres plow land, 25 acres timothy and alfalfa, strong lime stone soil. L. W. Webb, Savoy Hotel, Kansas City, Mo.

FOR SALE—A fine ranch of 2,150 acres, 4½ miles from Hazelton, Kans., 600 acres in cultivation, 800 bottom land, 10 miles of 4-wire fence with posts one rod apart, good 4 room dwelling, stable for 3 horses, bins and cribs for 17,000 bushels of grain, watered by 3 miles of running water and 3 good wells and windmills. Price \$12 50 per acre. A splendid ranch of 1,284 acres, 4 miles from Hazelton, 300 acres in cultivation, most of the ranch suitable for cultivation, fence in 3 fields, watered by 3 good wells and windmills, small house, small stable, and good bin, and other good farms and ranches, all near railroad, and all at fair prices. For full particulars as to price and terms and any other information, write or call on W. C. Alford, at Hazelton, Barber County, Kans.

FORTY ACRES GOES FREE—Why not buy or sell a home by my method and save commission. W. L. Alexander, Chanute, Kans.

FOR EXCHANGE—80 acres in Tazewell County, Ills. All good land, good improvements. Will exchange for land in Kansas or merchandise, prefer merchandise. 200 acres in Fulton County for merchandise, prefer hardware. The land is all good and can be traded for; owner wants to go into business. Joe S. Ewalt, Great Bend, Kans.

FOR SALE—A good 7 room house in Topeka near Washburn College for \$2,000. Address the owner W. E. Mason, Berryton, Kans.

120 ACRES, new buildings, Osage Co., \$2,600. Bargain. Farm, R. F. D. 2, Williamsburg, Kans.

TEN ACRE FARMS—\$100, \$1 down, \$1 week, in Kansas, Louisiana, Florida, Maine, Massachusetts, New Brunswick. All you want at \$10 per acre. Bartlett, 89 Court Boston, Mass.

GOOD CATTLE RANCH—400 acres, 40 acres first and 40 acres second bottom, 8 acres alfalfa, hog tight, 5 acres timber, good 5 room house, fair barn, and out buildings, good orchard, fine spring. Price, \$5,500. Garrison & Studebaker, Florence, Kans.

FARMS AND RANCHES for sale. Write for list. Kansas Realty Co., Emporia, Kans.

FOR SALE—Good farms and ranches. Write Verdigris Valley Land Co., Quincy, Greenwood County, Kans.

STOCK FARM—240 acres, 4 miles to railroad and creamery, 1 mile to school, R. F. D., 140 acres broken, balance meadow and pasture, 3 room house, barn 32 by 32, hog house and granary 20 by 40, cattle sheds etc., 8 acres alfalfa, orchard, 2 wells and cistern, good water. Cheap at \$45 per acre. D. M. Trotter, Abilene, Kans.

FOR SALE quarter section in Allen County oil and gas fields. No lease, no agent. Cheap from owner. Write if you want a good investment. J. C. Strong, Moran, Kans.

FOR SALE—480 acres improved, good water. Also farms and ranches, containing 180 acres and upward. For description and terms address H. B. Gilbert Wallace, Kans.

## PATENTS.

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

## FOR SALE

ushels Russian Emmer Seed

At 75 cents per bushel; sacks extra.

J. H. CLAUSSEN, Wilson Kansas

## EYE BOOK FREE!

Tells how all Eye and Ear Diseases may be cured at home at small cost by mild medicines. It is handsomely illustrated, full of valuable information, and should be read by every sufferer from any eye or ear trouble. This book is written by Dr. Curtis, originator of the world-famed Mild Medicine Method, which without knife or pain speedily cures most hopeless cases. Dr. Curtis offers to send this book absolutely FREE to all who write for it. Address, Dr. F. Geo. Curtis, 350 Shubert Bldg. Kansas City, Mo.

## \$29-PEERLESS FARM and STOCK SCALE-\$29

The "Peerless" is a 5-ton Compound Beam Wagon and Stock Scale, material and workmanship guaranteed for 5 years. Certificate of City Scale Inspector as to accuracy furnished if desired. Send for catalog. Address, mentioning this paper, Peerless Scale Co., Milwaukee and Ft. Scott Ave., Kansas City, Mo. (We have contracted with manufacturers for the output of this scale.)

O. B. SMITH'S SIXTH ANNUAL  
POLAND-CHINA SALE  
OF THE LEADING STRAINS

Tuesday, November 3, 1903.

We will sell about 50 head consisting of fall and spring farrow about evenly divided as to sex. These are sired by our great herd boars MOONSHINE 47783 a., BIG KING TECUMSEH 29086, and PRINCE CLIMAX 30490.

O. B. SMITH & SON, Prop., Cuba, Kan.

COL. JNO. BRENNEN, Esbon, Kan.

COL. JAS. T. McCULLOCH, Frankfort, Kan.

Auctioneers.

Parties from a distance will be taken care of. Ask for catalogue.

## ...Cash For Cattle...

Registered cattle, all beef breeds, Shorthorns, Herefords, Angus, and Galloway bulls and heifers, singly or in car-lots, at right prices, always sold strictly on their merits and strictly on commission.

Mr. Buyer: These cattle, from 100 to 300, can always be found in our barns in South Omaha. They are consigned to us by the best breeders in America, and you can get a choice of thirty different men's breeding. We always have some choice herd-headers of the very best breeding; have your commission man select one for you if you can not come.

Mr. Breeder: Adopt new methods and consign your registered bulls to us. We will sell them for what they are worth and entirely to your satisfaction. We sold in the last three months over 1000 registered bulls and heifers. Ship us no cattle without first writing us. Our charges are \$10 per head and 30 cents per day for feed and care. We have stall room for 250 head.

On September 1st we received a large consignment from the noted herd of W. D. Flatt, of Hamilton, Ontario, both bulls and heifers. This is a chance to get some good ones.

Address all communications to us at Lincoln, Nebraska. WATSON, WOODS BROS. & KELLY CO.

## MISCELLANEOUS.

WANTED—Man of good moral character, for general work on farm. Good home, steady employment, and fair wages to the right party. Address Midland Stock and Grain Farm, Columbus, Kans.

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

FOR SALE OR TRADE—Cheese factory doing good business. Good building and fixtures. A bar if taken soon. Address, Ramold & Cunningham Neosho Falls, Kans.

VIEWS OF TOPEKA FLOOD—Having purchased the balance of the edition of the "Views of Topeka Flood" of which many thousands sold at 25 cents each, we are prepared until the supply is exhausted to send them prepaid to any address on receipt of 10 cents. Address, Kansas Farmer Co., Topeka, Kans.

WANTED, WOOL—Send us samples of your whole clip; we will pay market price. Topeka Woolen Mills, Topeka, Kans.

WANTED—Money to get patent on a quick-selling toy. Will give 25 per cent of what it sells for. Henry Bolte, Webster, South Dakota.

## The Stray List

Week Ending October 22.

Jefferson County—R. H. Delbert, Clerk. PONY—Taken up by Louie Weishaar, in Norton tp., (P. O. Nortonville, Kans.) October 1, 1903, one dun mare pony, 10 years old, weight 600 pounds, branded on the left shoulder (K), small star in the forehead, valued at \$15.

Week Ending October 29.

Barber County—C. M. Wilson, Clerk. HORSE—Taken up by W. R. Lepper, in Sharon tp. July 6, 1903, one brown gelding horse, about 750 pounds, small W on right shoulder, lump on upper jaw, valued at \$25.

Smith County—Henry A. Clark, Clerk. PONY—Taken up by J. R. Townsend, in Blaine tp., October 15, 1903, one claybank pony, mare, weight about 850 pounds, T on left shoulder, valued at \$15.

## Patent For Sale.

All or half interest for state of Kansas in the patent of the  
NEWTON HAY PRESS

BEST PRESS MADE FOR THE MONEY.

Half interest in State of Georgia sold for \$5,000.

H. J. GARLAND, - - GRIFFIN, GEORGIA

## Go Below

for pure water. Use the National Well Drilling Machine, equipped with automatic well pumping device. For drilling for water, oil, gas or mineral. All sizes for all depths. Address

National Drill & Mfg. Co. DEPT. K  
Pullman Bldg.  
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## CRITERION HOTEL

BROADWAY AND 41ST STREET,  
NEW YORK.

HANDY TO EVERYWHERE.

EUROPEAN PLAN.

G. T. STOCKHAM,  
Formerly Manager Midland Hotel, Kansas City.



## DUROC-JERSEY SWINE.

**D. M. TROTT** ABILENE, KAS., famous Duroc-Jerseys, Poland-Chinas.

Registered Stock **DUROC-JERSEYS**, contains breeders of the leading strains.  
N. B. SAWYER, CHERRYVALE, KANSAS.

**MINEOLA DUROC-JERSEYS**  
PRINCE 17799 at head. B. P. Rock Chickens. Stock always for sale. L. A. Keeler, Route 4, Ottawa, Kans.

**DUROC-JERSEYS**—Large boned and long bodied kind. Choice spring pigs for sale—both sexes. Prices reasonable.  
E. S. COWEE,  
R. F. D. 1, CARBONDALE, KANSAS.

## DUROC-JERSEY SWINE

CHOICE PIGS FOR SALE. ADDRESS  
G. W. BAILEY, BEATTIE, KANSAS.

**MAPLE AVENUE HERD** J. U. HOWE,  
Wichita, Kansas.  
**DUROC - JERSEYS** Farm two miles west of city on Maple Avenue.

**FAIRVIEW HERD DUROC-JERSEYS**  
Combination Sale Oct. 9, at Sabetha. Oct. 23, sale of males at the farm. Feb. 6, 1904, bred sow sale at the farm. J. B. DAVIS, FAIRVIEW, KANSAS.

**C. H. SEARLE** || **DUROC-JERSEY HOGS**  
Edgar, Neb. || B. P. Rock Fowls.

## Duroc-Jerseys

Of Superior Breeding and Individuality.  
RED DUKE 18668 at head of the herd.  
BUCHANAN STOCK FARM, - SEDALIA, MISSOURI

**DUCK CREEK HERD OF**  
**Duroc - Jersey Swine.**

200 head to choose from. Write us your wants.  
Mitchell Bros., Buxton, Wilson Co., Kans.

**ROCKDALE HERD OF**  
**Duroc - Jersey Swine**

Has for sale 100 head of spring pigs of fashionable breeding, and good individuals. Correspondence and inspection invited. Free rural delivery at telephone from Frankfort. J. F. Chandler, Frankfort, Kans.

**MAPLEWOOD HERD OF**  
**DUROC-JERSEYS.**

Our herd is headed by our fine herd boar, Missouri Champion 18349. Our spring pigs are doing excellently and we will be able to fill orders promptly with the very best, as we make it a specialty to select to please our customers. If you want some heavy-boned pigs with extra good length, send in your order.  
J. R. IMHAUSER, Mgr., Sedalia, Mo.

**PRIZE-WINNING HERD**  
**DUROC-JERSEY SWINE**

Champions at State Fair at Topeka in 1903. Herd headed by Josephus, best son of Big Joe 7363. Choice spring pigs of both sexes for sale.

F. L. McCLELLAND,  
Berryton, Kansas.

**Rose Hill Herd**  
**DUROC-JERSEY HOGS.**

I have some choice February and March pigs for sale out of large, old sows of the most prolific strain and best breeding, sired by four good, well-developed boars. I can supply old customers with new blood, or pigs not related. I have the kind that will please you.  
S. Y. THORNTON, Blackwater, Mo.

**DUROC-JERSEY**  
**HOGS.**

**200 to Select From 200**  
FOR READY SALE—30 Boars and 70 Gilts of March and April farrow. Inspection or correspondence solicited.  
Phone 804. George Kerr, Sabetha, Kansas.

**COUNTY SEAT HERD**  
**DUROC-JERSEY SWINE**

Higgin's Model 3251 at head of herd, assisted by Improver 13365 and Red Chief 1 Am 7693.

A choice lot of young boars ready for service for sale; also a few gilts. 200 Head in Herd.  
Geo. Briggs & Son, Clay Center, Nebr

**STANDARD HERD OF REGISTERED**  
**Duroc-Jersey Swine, Red Polled Cattle,**  
**and Angora Goats.**

Swine herd headed by Big Joe 7363 and Ohio Chief. Cattle herd headed by Kansas 8303. All stock reserved for October sale.  
PETER BLOCHER, Richland, Shawnee Co., Kans

**Cherry Valley Breeding Farm.**

**DUROC-JERSEY SWINE**

The prize-winning Gem's Victor 16017 and Gold Coin 19005 at head of herd. Choice bred gilts and spring pigs of both sexes for sale. 230 head in herd.  
BUFF COCHIN CHICKENS. Eggs in Season.

\*Phone 735. Mr. & Mrs. W. R. Crow, Hutchinson, Kans

**THE ROYAL HERD**  
**DUROC-JERSEY SWINE**

Herd headed by Saytor 10683, a very large, smooth show hog and breeder of show stuff. Have some spring boars and gilts of March farrow, and 60 head of fall pigs. We want to please all buyers, so write your wants, or call on  
C. FOLGATE, Stanberry, Mo.

## DUROC-JERSEY SWINE.

## DUROC-JERSEYS.

Duroc-Jerseys for sale. Choice 1903 pigs, both sexes. Prices \$20 and \$25. 125 head in herd to select from. Newton Bros., Whiting, Kas., and Goffs, Kas.

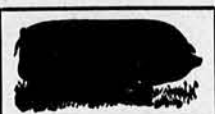
## McFARLAND BROS.,

Route 1, Sedalia, Mo.

**Champion Herd of Missouri**  
**Duroc-Jerseys.**

Oom Paul 3d 17881 at head of herd. Choice spring pigs of both sexes for sale. Write for prices and breeding.

## DUROC-JERSEYS



We have a lot of big, blocky, young boars now ready for service, and at farmers' prices. All out of mature dams, and sired by our great RED DUKE. Address

Buchanan Stock Farm,  
Sedalia, Mo.

## POLAND-CHINA SWINE.

**FOR SALE** Poland-China Hogs, Hel- either sex. Best strains represented. H. N. HOLDE- MAN, Rural Route No. 2, GIBARD, KANSAS.

**Kansas Herd of Poland-Chinas**  
Has some extra fine gilts bred; also some fall boars. Will sell SEN. I KNOW, he by PERFECT I KNOW. Address—

F. P. MAGUIRE, HUTCHINSON, KANSAS.

**Elmdale Herd of High-Class**  
**POLAND-CHINAS**

Shawnee Chief 23502 head of herd. Three choice fall boars for sale; also spring pigs of both sexes.  
W. L. REID, PROP'R, R. R. 1, NORTH TOPEKA, KANSAS

**Shady Lane Stock Farm**

HARRY E. LUNT, Proprietor,  
Burden, Cowley Co., Kans.  
A few choice bred Poland-China Boars for sale; also fine B. P. Rock poultry.

**Dietrich & Spaulding, Richmond, Kas.**  
Have 8 extra good fall Poland-China gilts sired by Kansas Black Chief and Black U. S. Prize, safe in pig to U. S. Perfection by Perfect Perfection and Chief Ideal 2d. Price \$85 each if taken soon. They are cheap. 25 spring boars pigs for sale.

**WAMEGO HERD**  
**...OF...**  
**Poland-Chinas**

With DEE EXPANSION at head, he by Big Tecumseh 24429, a grand individual and sire of large, strong, growthy fellows, nearly perfect in color, coat, and markings. Large M. B. Turkeys and B. P. chickens for sale. Correspond with me at Wamego, Pottawatomie County, Kansas. C. J. HUGGINS.

**PRAIRIE DALE**  
**Poland-Chinas**

CHOICEST BREEDING AND BEST INDIVIDUALS.  
Kansas Chief 28250 and the American Royal prize-winner, Hard to Beat 29612 at head of herd; 180 of the best pigs ever raised on this farm to choose from.

C. M. GARVER & SON, ABILENE, KANSAS

**\* Closing Out \***  
**Rome Park Poland-Chinas**  
**and Berkshires.**

Strictly choice show animals of gilt Edged breeding. Established 20 years. For Sale—100 sows and gilts bred and not bred, 20 short yearlings and aged boars. Summer and fall pigs of all ages. Reduced prices before sale. T. A. Hubbard, Rome, Sumner Co., Kans.

**FREEDOM HERD**  
**PURE-BRED POLAND-CHINAS**

Choice spring and fall pigs, both sexes, by Belleville Chief 28123; Kansas Chief 28250; Lampighter 26890; Park's Spot 23629; Best on Earth's Chief 27087 and Royal Tecumseh 2d 23814. Royal Tecumseh 2d for sale. A snap.

F. C. SWIERCINSKY,  
\*Phone 803. R. F. D. 1, BELLEVILLE, KANS.

**HIGHLAND FARM HERD OF PEDIGREED**  
**POLAND-CHINAS**

Eighty spring pigs that are hard to duplicate for size and finish, sired by Black Perfection 27812, Corwin's Improver 26768, and Imperial Chief 3d 28978. Write me a description of what you want and I will guarantee satisfaction. Seven and one-half miles northwest of Leavenworth. (I ship from Leavenworth. Right railroads.) One mile west of Kickapoo on main line of Mo. Pacific. JOHN BOLLIN,  
Route 5, Leavenworth, Kansas.

**PECAN HERD OF**  
**Poland-Chinas**

Will you want a few Bred Sows or Gilts for fall farrow, bred to Model Tecumseh or American Royal? Also fall Boars, sired by Model Tecumseh 64133.

J. N. WOODS & SON,  
R. F. D. No. 3. Ottawa, Kansas.

## POLAND-CHINA SWINE.

**SHADY BROOK STOCK FARM**  
**POLAND-CHINAS**

I keep constantly on hand all sizes and ages of high-class Poland-China pigs. Quality high, prices low. Write for description and price to

H. W. CHENEY, NORTH TOPEKA, KANSAS.

**Glenwood**  
**POLAND-CHINAS.**

Choicest strains of Poland-China blood, with Glenwood Chief Faultless 27815 at head. We have the length, size, bone, and quality to suit the critics. Fall gilts, bred or open, and spring pigs, both sexes, for sale. Address C. S. NEVIUS,  
Chiles, Miami County, Kansas.  
Telephone on farm.

**PAWNEE COUNTY**  
**POLAND-CHINA HERD**

Nice stuff; different ages, sizes, and sex at reasonable prices. Wilkes, Tecumseh, and Missouri's Black Chief sires.

TYRA MONTGOMERY, LARNED, KANSAS.

**Chestnut Grove Herds**

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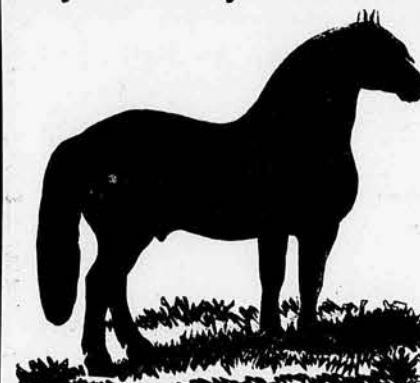
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Henry H. Kuper and W. D. Elmore Sell Fine Double Draft



## OF 60--BREEDING CATTLE--60

Farmers and stockmen are cordially invited to attend this sale of nicely bred useful Shorthorns. Our cattle represent standard families, and they embrace plenty of scale and good feeding quality, —in short, they are what are known popularly as the modern-day "BUSINESS SHORTHORN." They raise their own calves and at same time make plenty of high-class beef. Our catalogue sets forth all pedigrees in full, and gives much other desirable information. We request that you send for it. Write for it to-day.

Note that the Great 2600-pound Scotch Bull, BARON SURMISE 146885, is in Service

Col. F. M. Woods,  
Col. M. W. Harding,  
Col. C. H. Marion,  
Auctioneers.



Henry H. Kuper,  
W. D. Elmore,  
Humboldt, Neb.

IN  
NEW  
SALE  
PAVILION  
AT  
HUMBOLDT,  
NEBR.,  
NOVEMBER  
21,  
1903.

## DIETRICH & SPAULDING'S POLAND-CHINA HOG SALE

Wednesday, November 4, 1903,

At the New Sale Pavillion, - Forest Park, - Ottawa, Kansas



### 65 Head of the Best of Their Herd

Consisting of eighteen boars (including U. S. Perfection and Warm Sunshine, two of the best of the breed). Forty-seven sows and gilts, bred and open, including Perfect Sunshine's Best, by Perfect Sunshine, and out of the \$750 sow, Ideal U. S.; also, Dietrich's Choice, the Choice Missouri's Black Perfection sow, of Jo Young's winning litter of 1902. These sows and gilts are of the most fashionable breeding and will be bred to U. S. Perfection, Black Chief's Perfection, and our great Sunshine boar.

For auctioneers see catalogue. Please write us for Catalogue, which is free. We desire your presence at this sale.

DIETRICH & SPAULDING Richmond, Kans.

## Public Sale of Poland-Chinas

A Clean Bunch of Choice Stuff

AT

Mound City, Kansas, Nov. 9, 1903

The Morse Herd has been established for over a quarter of a century and has contributed much prize-winning blood to the herds of the State. Mr. McGrew has won prominence by the exceptional quality of his stock. His consignment in the recent Hoag-Zimmerman-McGrew sale averaged \$50 and contained top boar and top sow. For catalogues address

**MORSE & SONS,**

Col. J. W. Sparks, Auctioneer.

Mound City, Kansas.

## Annual Sale POLAND-CHINA HOGS

The next annual sale of registered Poland-Chinas from the Highland Farm Herd will be held at Wilson & Baker's barn,

Leavenworth, Kansas, Thursday, Nov. 5, 1903.

The offering of 50 head consists of 30 boars and 20 sows of select strains. The best I have ever offered at public sale. The pigs are sired by Black Perfection 27132, Corwin's Improver 25768, and Imperial Chief 3d 28978. In this offering one fall boar, five yearling sows and the balance are of March and April farrow of the large sort. I also have two yearling sows as good as are to be sold this year. Sale begins at 1 o'clock and breeders will stop at the National Hotel at my expense.

For Catalogue address JOHN BOLLIN, Route 5, Leavenworth, Kans.

Auctioneers: Cois. John Daum and J. M. Scruggs.

## COMBINATION SALE OF Bates and Bates-topped Scotch and Scotch-topped SHORTHORNS

At the Fine Stock Pavillion, State Fair Grounds, Sedalia, Mo., Nov. 17, 1903

A splendid lot of fifty-two head of pure Bates and Bates-topped Scotch and Scotch-topped Shorthorns from the following well-known breeders: H. A. Barber, Windsor, Mo.; W. P. Harned, Vermont, Mo.; D. Donohue, Appleton City, Mo.; C. P. Tutt, Bunceton, Mo.; E. T. Letton, Walker, Mo.; P. F. Smith, Bunceton, Mo.; W. P. Harriman & Son, Pilot Grove, Mo.; Capt. J. A. Ware, Sedalia, Mo.; S. W. Roberts, Pleasant Green, Mo.; R. K. Thompson, Beaman, Mo. For catalogue address,

**S. W. ROBERTS, Pleasant Green, Mo.**

Auctioneers—Cois. R. L. Harriman, W. D. Ross, C. J. Hieronymus. Cooper County Breeders' Association sale at Bunceton, Mo., on Wednesday, November 18.

## THIRD ANNUAL SALE FAIRVIEW HERD OF Scotch-bred Shorthorns

Thursday, Nov. 12, 1903,  
At Fairview Farm, Harris, Mo.

### FIFTY-SIX HEAD OF CHOICEST BREEDING

Including three American Royals including the get of such Gilts, Lord Lovel 130157, 2d 116302 and others equally as Victorias, Crocus, Orange Brawith Buds, Lovelles, Fancy Drops, Butterflies, Miss Ramsdens, and Louises are all represented. Terms cash or approved note at 7 per cent. Every animal old enough guaranteed to breed. Cattle loaded on cars free of charge. Free conveyance to and from trains. Lunch on the ground. Sale begins at 1.30 p. m. Parties buying \$300 worth or more will have their railroad fare paid to the sale.



al Show animals. The offerings as Galahad 103250, Imp. Gloster 181178, Lord Lieutenant good. Cruickshank Secrets, Blossoms, Violets, Acanthus, Butterflies, Miss Ramsdens, and Louises are all represented. Terms cash or approved note at 7 per cent. Every animal old enough guaranteed to breed. Cattle loaded on cars free of charge. Free conveyance to and from trains. Lunch on the ground. Sale begins at 1.30 p. m. Parties buying \$300 worth or more will have their railroad fare paid to the sale.

**Purdy Bros., Harris, Mo**

AUCTIONEERS,

Cois. F. M. Woods, Harry Graham, W. B. Carpenter.

## SPECIAL OFFER FOR THIRTY DAYS

For the next thirty days I will offer for sale my entire herd of Shorthorn cattle, consisting of 23 breeding cows, 10 heifers, 8 calves, and herd bull, Loveley's Knight 171595, by Golden Knight of Enterprise and out of Loveley 28th. These are a splendid lot of well-bred Shorthorns and will be sold at once at a bargain. All good colors, reds and roans. The foundation for this herd was selected with great care from among the best herds in the country. Long distance telephone on farm. G. M. CHILES, Buckner, Mo. Parties met at train by appointment. 25 miles east of Kansas City on Mo. Pacific Ry.



# GREAT SALE OF SCOTCH SHORTHORN CATTLE

The Most Attractive Offering of the Year.  
Horton, Kansas, Thursday, November 19, 1903

SALE BEGINS AT 12:00 O'CLOCK SHARP.



This offering includes the dispersal of the entire Walnut Grove Herd of Scotch-bred and imported Shorthorns owned by M. A. Low, Topeka; 40 head in all; seven choicely selected from D. L. Dawdy's Riverdale Fine Stock Farm, Arrington, Kansas; an imported Scotch cow, a Scotch bull and heifer, owned by M. C. Vansell and M. A. Low, and an imported Scotch cow, and some Scotch topped heifers owned by M. C. Vansell Muscotah, Kansas; and two bulls by G. Y. Johnson, Willis, Kansas. Including imported Scotch Cows of the Clipper, Brawith Bud, and Nonpareil families, and pure Scotch cows and bulls of leading Cruickshank tribes, among them the fine Scotch bull, Clipper Chief 174514, by Imp. Orange Chief 144650, which sold for \$1,500 at the Platt sale in 1900, out of Imp. Red Ruth by the great Star of Morning (58189); Nonpareil Lad 188587 by the pure Cruickshank Brawith Bud bull, Golden Lad 115691, out of Imp. Nonpareil 35th; Golden Chief by Golden Lad 115691, out of Queen of Iowa 2nd, a Scotch cow by Highland Chief 136717, etc; good, Scotch-topped Young Marys, Rosemarys, Adelais, Beauties, Rubys, etc.; in all about fifty head.

For Illustrated Catalogue address D. L. Dawdy, Arrington, Kas., or O. M. Keats, Horton, Kas.  
COLS. F. M. WOODS and M. W. HARDING, Auctioneers.

## RED RUTH (IMP.)

Red; calved April 20, 1892. Vol. 47 p. 244.

Star of Morning (58189).....Wm. Duthie  
Doctor A. Duff (46167).....J. Williamson  
Mercy.....Lord Mayor (38625).....A. Longmore  
Charity 2nd.....Scotland's Pride (25100).....A. Cruickshank  
Chastity.....Lord Raglan (13244).....M. S. Stewart  
Charlotte.....The Baron (13833).....R. Chaloner  
Clipper.....Billy (3151).....Captain Barclay  
Favorite.....Dandy (6918).....I. Boswell  
Keepsake.....Tiptop (7633).....Captain Barclay  
Old Lady.....

## QUEEN OF IOWA 2nd.

Red; calved October 18, 1899.

Got by Highland Chief 136717.....Cookson Bros  
Pride of Orchid Farm 2d Royal Duke 77597.....J. W. Aldrich  
Beauty's Pride 2nd.....Orange Lad 46679.....John Dryden  
Beauty's Pride.....Imp. Baron Surmlee 47432.....A. Cruickshank  
Queen of Beauty 2nd.....Imp. Stanley 21127.....A. Cruickshank  
Imp. Queen of Beauty.....Senator (27411).....A. Cruickshank  
Gem of the South.....Sir Walter Scott (20998).....A. Cruickshank  
Queen of the South.....Lord Raglan (13244).....M. S. Stewart  
Queen of Scotland.....Matadore (11800).....M. S. Stewart  
Edith Fairfax.....Sir Thomas Fairfax (5106).....Mr. Whitaker  
Fancy.....Billy (3151).....Capt. Barclay  
Jessie.....Sovereign (7539).....Capt. Barclay  
Rose.....Satellite (1420).....W. Robertson

## NAOMI'S RUTH (IMP.)

Red; calved January 4, 1897. Vol. 47, p. 243.

DAMS. SIRE. BRED BY  
Touchstone (60073).....A. Cruickshank  
Star of Morning (58189).....Wm. Duthie  
Doctor A. Duff (46167).....J. Williamson  
Lord Mayor (38625).....A. Longmore  
Scotland's Pride (25100).....A. Cruickshank  
Lord Raglan (13244).....M. S. Stewart  
The Baron (13833).....R. Chaloner  
Billy (3151).....Captain Barclay  
Dandy (6918).....I. Boswell  
Tiptop (7633).....Captain Barclay  
Old Lady.....

## RUBY LASS (IMP.)

Dark roan; calved February 17, 1897. Vol. 47, p. 245.

Topman (53447).....A. Cruickshank  
Montrose (57775).....T. F. Jamieson  
Cayhurst (47680).....A. Cruickshank  
Bermondsey (39464).....A. Cruickshank  
Lord Lancaster (26666).....A. Cruickshank  
Lord Lansdowne (20128).....A. Cruickshank  
Lord Raglan (13244).....M. S. Stewart  
Young 4th Duke (9027).....G. D. Trotter  
Duplicate Duke (6952).....G. Duff  
Robin O'Day (4973).....B. Wilson  
Sir Walter (2639).....R. Crofton

## NONPAREIL 35th (IMP.)

Red roan; calved March 4, 1898. Vol. 47, p. 244.

Kintore Hero 130859 (70723).....A. Campbell  
First Consul 139916 (57314).....A. Cruickshank  
Gravesend 86361 (46461).....A. Cruickshank  
Royal Duke 77593 (35356).....S. Campbell  
Sir Christopher (22895).....B. Bo. th  
Lord Sackville (13249).....A. Cruickshank  
The Baron (13833).....R. Chaloner  
Matadore (11800).....W. Smith  
Prince Edward Fairfax (9506).....A. Cruickshank  
Diamond (5918).....Mr. Booth  
Young Frederick (3836).....W. Bartholomew  
Commodore (1858).....Mr. Ostler  
Tathwell Studley (5401).....Mr. Cartwright  
Blyth Comet (85).....M. Champion  
A. Turnell cow.

## REDBUD OF RIVERDALE 2nd.

Red; calved September 19, 1902. Vol. 52 p. 547.

Orange Viscount 157352.....W. A. Betteridge  
Home Secret 103632.....D. Cookson & Son  
Imp. Spartan Hero 17932.....A. Cruickshank  
Orange Lad 46379.....John Dryden  
Imp. Knight of the Rose 23646; Robt Jefferson  
Crown Prince of Athelstane 2nd 46585.....D. Christie  
Imp. Golden Galaxy.....Senator (27411).....A. Cruickshank  
Caractacus 16397.....G. R. Barclay  
Champion of England (17529).....A. Cruickshank  
The Baron (13833).....G. D. Trotter  
Young 4th Duke (9027).....R. Chaloner  
Duplicate Duke (6952).....Grant Duff  
Robin O'Day (4973).....B. Wilson  
Sir Walter (2639).....Mr. Crofton

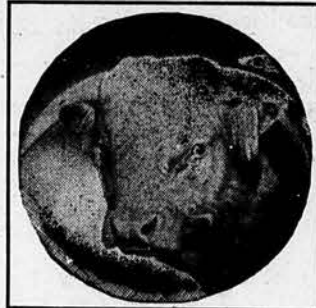
## MISSIE OF BROWDALE.

Red; calved November 26, 1893. Vol. 39, p. 338.

Got by Golden Rule 98268.....Robert Miller  
Goldstick 86748.....A. Cruickshank  
Elocutionist 92221.....W. S. Marr  
Royal Prince 33801.....W. S. Marr  
Marduff (26773).....Mr. Bruce  
Young Pacus (24457).....S. Campbell  
Lord of Lorne (19258).....G. Shepherd  
Augustus (15598).....A. Morison  
Son of Duke 3rd (17697).....Duke of Richmond  
The Pacha (7612).....Captain Barclay  
Manomede (5170).....Captain Barclay  
Plenipo (4725).....John B. Simpson  
Abbot (2899).....John B. Simpson



# Marshall County Hereford Association



Second Sale, Tuesday-Wednesday, Nov. 10-11, 1903.

Twenty-five Breeders Sell

# 100 Head Registered Cattle

At Blue Rapids, Kansas.

67 Cows from 1 to 6 years old, mostly bred, or with calves at foot.

33 Bulls from 1 to 3 years old, a good clean lot of extra quality, some of them of sufficient merit to go into the best herds of the country.

Don't forget the date, and don't miss this opportunity to get some money-makers.

For Catalogues, address

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Col. L. R. Brady, } { Col. T. E. Gordon.

