



The Stock Interest.

THOROUGHBRED STOCK SALES.

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

MAY 19—Inter-State Short-horn Show and Sale Association, Short-horns, Kansas City, Mo. MAY 26.—Isaac Johnson, Short-horns, Lincoln, Neb. JUNE 16.—L. A. Knapp, Short-horns, Maple Hill, Kas.

ABOUT HORSE-RAISING.

At one of the farmers' institutes in this State, Mr. C. McLain, of Franklin county, discussed horse-raising, and our representative secured the following pointers:

If it pays to raise a horse at all it pays to raise a good one. Yes, just as good a one as you can. Care, however, should be taken never to get a colt too fat as well as too thin, as either is injurious.

Much has been said and written lately on the conditions which horses should be raised that they may have stamina and powers of endurance. It is generally admitted that horses raised on rolling land and fed on feed raised on limestone land make the best horses. I think no better grass can be found any place than our upland prairie, and it is my opinion that when we get horses of good breeding and raise them properly we will have as good horses as are to be found in the United States.

The noted horse Astoria, that has made the English sportsmen so much trouble, was raised on limestone land near Philadelphia. Kentucky, which is about this latitude, has produced some of the best horses in the world.

I do not wish to be understood as advocating in any way raising horses for racing or gambling purposes. I do not believe God gave us that noble servant for any such purpose. But by studying how such horses are raised we will learn to bring them to greater perfection for our business. We, too, need horses of good action and good courage, for with us it means bread and butter. It is impossible to estimate the difference between a good and poor team on a farm. One means success, the other means failure.

The markets are now overstocked with horses, and likely to be for a few years, and nothing but the very best will be wanted, and they at less price than formerly. The horses bringing the most money are drivers. A single driver should weigh from 1,100 to 1,300 pounds, of good, solid color, fine action and good spirit and courage. He need not be fast, but a clean, easy mover.

These traits and characteristics can only be had by high breeding. I know of no horses that equal the Hambletonian and Belforts as single drivers. Their predominant color is bay, heavy black mane and tail, with large, flat, clean limbs, large, strong joints, and feet rather large and good shaped. They have long hips, with high hip bones well forward and low stifles. Their fore feet are broad and hind feet further apart than any kind of horses I know of. They have large nostrils, good lungs and live to great age. And while they are the best single drivers, when mated up make excellent carriage teams, but often have too much spirit for family horses. The fashionable carriage horse is the Cleveland Bay. These horses have been introduced into this country within the past few years, and in some sections are quite numerous. But I predict they are now at their height. While they make a fine looking carriage team they will not bear the scrutiny of an experienced horseman. They lack action and endurance. The livery men do not want them. They will do in England, where drives are short and groves plenty, but for business are inferior to our American horses.

I am asked to say which breed of horses I consider the most promising to raise for sale. I suppose, of course, they mean for the farmers in this section, engaged as they are, in profitable farming. I would say that if one-half of the farmers here kept an account and knew just what their horses cost them when grown and ready to work, they would find that they have cost them more than they could be sold for. I would say, for most farmers, to

raise (if for sale) very short, blocky, draft horses. My reasons are the following: First, early maturity. Draft horses can be gotten on the market one year younger than a warm-blooded horse. Second, they are easily broken. It takes less time to fit them for market. They do not require such perfect condition as a driving horse. Third, then, too, if by chance they have a slight blemish, they will pass muster where such a blemish would unfit a driver for market. Fourth, it don't require any more feed to raise a big draft horse than it does a smooth, warm-blooded horse. They are not so active and do not cut up the pasture by running. If other stock is in the pasture they do not run and abuse them as warm-blooded horses do.

The draft horse should be fifteen and a half to sixteen hands, not more, head short, thick, heavy jaws, wide between the eyes and hollow, ears short and pointing forward, neck rather short and tapering well from shoulder to throat latch, heavy mane and tail, shoulder not too straight, back extremely short, rib well sprung, loin high and broad, quarters, stifle and muscle excessively developed, chest wide, deep and extending well forward, fore legs not too far apart, with muscle on outside rather than on the inside of the leg, legs heavy bone and short, particularly from the hock and knee to pastern joint, and short pastern.

Now, to sum up, I would say: If you raise horses at all, raise good ones of some pure breed. I am anxious that our neighborhood should excel in everything. I am in favor of special farming. I think one-half of us ought to quit raising horses. Let those who do, raise a higher grade of horses and raise them better and worth much more money than those we are now raising.

The mongrel, mixed up breeds we have been raising must go. They ought to have gone twenty years ago. The little splinter-skinned drivers are of no value—so-called warm blood. If you raise drivers, raise horses sixteen hands high, weighing 1,100 to 1,300, that can draw two persons in a buggy six to eight miles per hour without oppressing them. Life is too short and business too pressing to go plodding along the road after a cold-blooded or plug horse.

World's Fair Premiums for Kansas Stock.

The Kansas Board World's Fair managers offer the following special premiums in the breeding classes on animals owned and kept in Kansas by residents of Kansas and exhibited by them at the World's Columbian Exposition:

Table with columns for CATTLE (SHORT-HORN, HEREFORD, ABERDEEN-ANGUS, GALLOWAY, JERSEY, HOLSTEIN), HORSES, and STANDARD TROTTERS (STALLIONS). Includes details like 'Short-horn bull taking the World's Columbian sweepstakes premium' and 'Bull, 3 years old or over'.

Table of stallions categorized by breed: PERCEBERON, OLYDESDALE, SHEEP (SHROPSHIRE, MERINO), SWINE (BERKSHIRE), and POLAND-CHINA. Lists age groups and prices for 1st and 2nd premiums.

Cowan's Short-horn Sale a Success.

The sale at auction of a draft of thirty head from the well known Missouri herd of Short-horn cattle of Mr. B. O. Cowan, New Point, Mo., took place at St. Joseph, Mo., last Wednesday. The sale was fairly well attended by buyers from Iowa, Nebraska, Kansas and Missouri. The offerings were in excellent sale condition, being neither pampered nor neglected—just that condition sought after by every successful breeder. The herdsman, Mr. Cowan, thoroughly realized that his experience and success that was gained in 'Merry Old England' from his early youth up was duly appreciated by his American cousins in the presentation of Mr. Cowan's offerings, and received that just recognition that every painstaking man in his position ought to have whether he be owner or herdsman.

The prices realized, while not those of the palmiest days of American cattle-breeding history, yet the reader will observe that the results confirm the idea that blood and a judicious selection, coupled with a determination to reach the top, will surely bring its reward in the race for the foremost money. Col. F. M. Woods, of Lincoln Neb., did the honors of the block. The bulls sold were:

Table listing individual bulls and their owners, such as 'Don Juan (vol. 33), 13 mos. Got by imp. Scottish Lord 77761; dam, Mary Byron' and 'Lord Waterloo (v. 38), 16 mos. Got by imp. Scottish Lord 77761; dam, Water Lily'.

Thousands of Dollars



I spent trying to find a cure for Salt Rheum, which I had 13 years. Physicians said they never saw so severe a case. My legs, back and arms were covered by the humor. I was unable to lie down in bed, could not walk without crutches, and had to have my arms, back and legs bandaged twice a day. I began to take Hood's Sarsaparilla and soon I could see a change. The flesh became more healthy, the sores soon healed, the scales fell off, I was soon able to give up bandages and crutches, and a happy man I was. I had been taking

Hood's Sarsaparilla

for seven months; and since that time, 2 years, I have worn no bandages whatever and my legs and arms are sound and well." S. G. DERRY, 45 Bradford St., Providence, R. I.

Hood's PILLS cure liver ills, constipation, biliousness, jaundice, and sick headache. Try them.

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Vacuum Oil Company, Rochester, N.Y.

Table listing various livestock items and their prices, including 'imp. Scottish Lord 77761; dam, Bridesmaid 7th', 'Dora 5th', 'William Chapple, Troy, Kas.', etc.

Kansas Fine Stock-Breeders.

The KANSAS FARMER desires to have compiled a complete list of Kansas owners and breeders of pure-bred stock of every class and kind whatsoever—horses, cattle, swine, sheep and poultry. All breeders or owners are hereby requested to send at once the following information to this office: First, name and address; second, the different breeds owned and the number of each of both sexes; third, the names and addresses of other breeders and owners of pure-bred stock in your county as far as they are known to you.

Every reader of this paper is requested to respond to this request promptly. If not a breeder, please give the names and addresses of as many breeders as you know in your county. It is important that we have this information for the whole State by the time the World's Columbian Exposition is fairly opened. Prompt action on the part of our readers and improved stock-breeders will render a special service to your county and the State.



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Horticulture.

Shawnee County Horticulturists.

EDITOR KANSAS FARMER:—The April meeting of the Shawnee County Horticultural Society, which occurred on Saturday, the 22d, at Capital Grange hall, was in point of numbers decidedly encouraging, nearly fifty members and friends being present.

The merits of spraying were set forth plainly and practically by B. F. Vanorsdal. He thought arsenical poisoning the only successful remedy to depend on for the extinction of the various enemies of the orchard. Advised spraying, whether promise of full crop or none at all. If using Paris green, dilute to this proportion: One pound Paris green to 300 gallons water. Spray after bloom is off. For fungicide, he considered Bordeaux mixture the best. One season's spraying seldom effected a cure. Would spray grapes for "spot." There seemed to be some skeptically inclined, though the abundant evidence showing the benefit of spraying proved too strong for successful refutation. A few reported ill-success in spraying peach trees. The foliage of the peach being very tender requires dilution of mixture to one-half strength required for apple trees. The use of lime water in mixture is said to prevent defoliation.

Mr. John Armstrong gave his views in regard to the "proper location and soil of an apple orchard." Strongly favored a northwestern slope; also cutting back trees, making them low and branching. Thought location of first importance. Had proved by experience that orchards on eastern or northern slopes produced fruit of larger size and superior quality. A lively discussion followed, some strongly dissenting.

Mr. Coultis thought proper soil the basis of a good orchard.

Philip Lux had tested all slopes and locations, and while favoring a northeast slope, thought more depended on the "git up" of the orchardist.

Secretary Mohler spoke quite forcibly on this point. Too many trusted to popular theories and did not investigate for themselves. They should test thoroughly and intelligently. Would locate an orchard conveniently to the home, regardless of the slope, as the same advantage could be gained by planting timber for shelter. The more we make of our State a timber country the more successful will our orchards be.

A number who were to have papers were absent. A few were mistaken in the day, forgetting that this delectable month of April, besides giving us such an astonishing variety of weather, contains a fifth Saturday.

Mr. Coleman extended to the society a cordial invitation to hold the June meeting at his residence, two miles north of Menoken.

A fine programme for the May meeting, to be held at Capital Grange hall, is in preparation.

K. JENNETTE McCracken.

The Apple Worm.

FIRST PAPER.

EDITOR KANSAS FARMER:—Realizing the injury done by insect pests to fruits, I present this series of papers in view of assisting in effecting the extermination of these enemies of the fruit-raisers of Kansas.

One of the most hostile, as well as the most common, of these orchard ravagers, is the larva or worm of the codlin moth, *Carpocapsa pomonella*. This moth, a beautiful insect, is about one-half an inch long and three-fourths of an inch across the extended wings, which are marked with irregular stripes of gray and brown. A large, tawny spot, adorns the inner hind angle of the body, with streaks of bright bronze or gold color irregularly placed.

Its first appearance in this state is generally in the first warm weather of March and early April. The eggs are deposited in the blossom-end of the apple in May or June several weeks after the first appearance of the moth. The eggs require from four to ten days to hatch, when the worm immediately commences operations on the pulp of

the fruit. It is usually in the apple in June, and after feeding from eighteen to twenty days, leaves the fruit, crawls away upon the tree, or falls upon the ground, soon transforming in the pupa state, in which it exists ten to twenty days. This being the last stage of the metamorphosis of the insect, it comes forth from the chrysalis—a perfect codlin moth—by the latter part of August.

While some of the first worms are leaving the apple, others are just hatched from later deposited eggs, thus the two broods run into each other; but the second brood of worms, hatched from moths after July, invariably pass the winter in the worm, or larval state, either within the apple or in a cocoon, from which it transforms the following spring.

The repression or extermination of this insect is one of the most serious questions with which the successful fruit-raiser of Kansas has to deal. Various methods have been tried, and with effects as varied.

The experience of many careful investigators, however, has shown that by far the greater part of the infested fruit falls prematurely to the ground with the worm, hence much can be done towards diminishing the numbers of this little pest by picking up and destroying the fallen fruit as soon as it touches the ground. For this purpose hogs will be found a valuable means, if circumstances permit of their being in the orchard.

Spraying is by far the most effectual, as well as the most reliable means of extermination; but when this is not practicable, entrapping the worms by means of bands of paper or cloth may be profitably done, as it is probably more infallible than hogs.

Common straw wrapping paper can be obtained at 60 cents per bundle of 240 sheets, each of which being folded thrice, lengthwise upon itself, gives us a band of eight layers, long enough to encircle the tree and be fastened with a tack, and so cheap that when the time comes for destroying the worms (about every two weeks) the bands may be piled and burned. Allowing eight bands per season, the cost will be just 2 cents per tree, and who could not afford to even treble the amount to save his crop?

Rags may be used, either the same as paper, or hung on the limbs, scalded and replaced, but are more expensive than paper.

The philosophy of this method is that the worms find the bands a very suitably protected place in which to spin up, and are readily allured if no more enticing place can be found in the rough bark of the old trunks; hence it behooves us to keep the rough bark well removed from the tree.

To make the band method perfectly effectual they must be properly attended to. Apply not later than June 1. They should be examined as often as convenient, not less frequently than every two weeks. The ground should be kept free from weeds and rubbish, to keep the larvae from spinning their cocoons elsewhere than in the bands. Nevertheless, when possible, affected apple trees should be thoroughly sprayed, as this little pest may be suppressed by a prompt use of a spray of London purple, kerosene emulsion or any of the arsenites. R. L. N.

W. F. Ackley writes: "To protect cucumber vines from striped beetles place over each hill a one-foot square bottomless box with mosquito netting or thin muslin tacked closely across the top (boxes for melons should be fourteen inches square). Make a smooth hill and press the box down tightly over it. When plants are nicely up remove box, hoe well and return; repeat the hoeing twice a week, raising the hill each time as long as the leaves can be kept under the box; the plants will thus get such a start that the beetles cannot hurt them. In this way I raised 300 pickles per hill from fifteen hills of cucumbers."

In every community the farmers should have their regular meeting to discuss all questions pertaining to practical farming, and questions of legislation affecting their interests. Such meetings are of inestimable value.

Entomology.

Conducted by Prof. E. A. Popenoe, State Agricultural College, Manhattan, Kas., to whom queries about insects and specimens for determination may be sent, with request for reply in this paper. Answers will be published as soon as possible, and unless of immediate importance no other reply will be made. Always send several specimens, where possible, with statement of habits observed and, with the plant-feeders, parts of the plant attacked, where its name is not certainly known. Specimens may be packed, if small, in a quill; if larger, in a tight tin or other box, strong enough to prevent crushing in transit, and never loose in a letter. The package, addressed and marked with the name of the sender, without other writing, is available at the rate of 1 cent per ounce, prepaid.

The Milkweed Butterfly.

(*Danats archippus.*)

Enclosed I send you a specimen of a common butterfly, which is very abundant here this spring, I think on account of the dry weather. Please give the name and state if it does any harm to the blossoms on the trees, as it mostly affects the fruit trees which are in bloom. J. W. S.

Wilson, Kas.

Answer.—The specimen sent represents the milkweed butterfly, a common species everywhere. Its great abundance the present spring is doubtless to be accounted for by conditions favorable to the hibernating insects during the winter past. It will be noticed that all the specimens now observed are dull and worn, showing that they have not recently emerged from the pupa state. Our correspondent need be under no apprehension as to the presence of this butterfly among his fruit trees. It is there only in search of its food, the nectar of the flowers, and even if eggs should be deposited upon the apple leaves, through a mistake of a kind not often made by insects, the larva hatching, not finding at hand the milkweed, its only food, would certainly perish of starvation.

Out-Worm Moths.

Several species of true cut-worm moths are abundant in Riley county the present spring, and have attracted general notice. They are readily known among moths by the size and color-patterns. They measure about an inch and a quarter in length as they stand with folded wings, or with the wings spread they are about two inches across. The colors are subdued, dark smoky or gray browns being common. The under wings are lighter, especially in the middle area, while the upper wings are mottled or marked with shades of lighter or darker than the ground color. The constant presence on the fore wings of a pair of irregular oval spots and three more or less distinct irregular transverse lines marks the moths of this group. When at rest, with wings folded over the body, the general outline is narrowly triangular. The species are attracted through open windows to lights, and may be seen in warm evenings by the dozen in the sitting rooms, fluttering about a lamp or on the wall and ceiling near by. On moonlight nights they may be seen in numbers fluttering about blooming trees, especially plum trees, attracted by the nectar upon which they feed greedily. It should be remembered that these moths represent many times their number of cut-worms that a few weeks later may make work for the gardener, and that every one destroyed now means so much of a reduction of the pests in their active stage as the cut-worm. If advantage be taken of a moist, warm, dark, quiet night to expose an open light or flame, a great many of the moths will be attracted, and, striking the flame, will be rendered incapable of egg laying if they be not actually destroyed. If a lamp be placed over the middle of a broad pan in which is poured a little kerosene, the destruction of a still greater number is made certain.

Very numerous experiments have been recorded to show that moisture is saved by cultivation. During hot, dry weather, every foot of plowed land should be stirred on the surface with any tool which tends to keep it from baking. A loose, fine surface holds down water like a wet blanket. A field kept thus may give an increase in crop over one not cultivated equal to that produced by a heavy application of fertilizers. Preservation of the soil water thus becomes of great importance. A blanket of fine soil on the surface during a hot, dry week, can be of great value to the crop, and really becomes the turning point for profit, if present, when loss might result from its absence.

“August Flower”

“I have been afflicted with biliousness, and constipation for fifteen years; first one and then another preparation was suggested to me and tried but to no purpose. At last a friend recommended August Flower. I took it according to directions and its effects were wonderful, relieving me of those disagreeable stomach pains which I had been troubled with so long. Words cannot describe the admiration in which I hold your August Flower—it has given me a new lease of life, which before was a burden. Such a medicine is a benediction to humanity, and its good qualities and wonderful merit—Jesse Barker, Printer, Humboldt, Kansas. G. G. GREEN, Sole Man'fr, Woodbury, N. J.

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The Veterinarian.

We cordially invite our readers to consult us whenever they desire any information in regard to sick or lame animals...

SORE WITHERS.—I have a mare, 9 years old, due to foal April 27, that has a small enlargement on the right side of the withers...

Answer.—Wait until the mare recovers from the effects of foaling, and the colt becomes strong...

ECZEMA.—I have a horse that, last spring, got to rubbing his mane and the side of his head till raw...

Answer.—The trouble is eczema, a disease generally easily relieved but seldom permanently cured. For a local application, take corrosive sublimate...

OVERWORK.—Please reply through the KANSAS FARMER what remedy might be used on a three-year-old Clydesdale stallion...

Answer.—The subject upon which you ask advice is hardly a proper one to treat through a family journal...

MARKET REPORTS.

GRAIN AND PRODUCE MARKETS.

Kansas City.

WHEAT—Continued cold and backward weather and bad crop news caused a decidedly firmer feeling in the market to-day, and in spite of a holiday in Chicago there was fair trading...

per bushel upon the basis of pure; small lots 20 less. HAY—Receipts, 17 cars. Market steady and demand very fair for all good freight...

Receipts, wheat, 7,434 bushels; last year, same date, 25,837 bushels. Corn, 100,800 bushels; last year, same date, 103,080 bushels...

The opening of the World's Fair was observed as a holiday to such an extent that there was practically no grain market.

LIVE STOCK MARKETS.

Kansas City.

Table of live stock markets including cattle, sheep, hogs, and various other livestock with columns for No., Wt., Pr., and other details.

MARKET REPORTS continued with details on sheep, hogs, and calves.

MARKET REPORTS continued with details on pigs and lights.

MARKET REPORTS continued with details on representative sales.

MARKET REPORTS continued with details on cattle.

MARKET REPORTS continued with details on hogs.

MARKET REPORTS continued with details on sheep.

MARKET REPORTS continued with details on cattle.

MARKET REPORTS continued with details on hogs.

MARKET REPORTS continued with details on sheep.

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SHERIFF'S SALE. In the District Court, Third Judicial District, Shawnee county, Kansas. Clayton M. Parke, Plaintiff.

J. A. Ramsouer, Sibella Ramsouer, Everett L. Shelton, C. D. Savage, Stella M. Savage, and Frankie B. Savage. Case No. 14,260. By virtue of an order of sale issued out of the District Court in the above entitled case...

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References:—Carroll Exchange Bank; First National Bank, Carrollton, Mo.  
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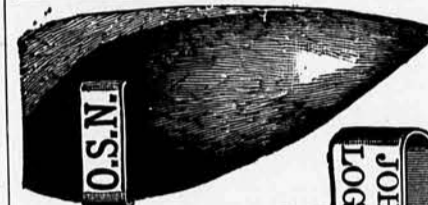
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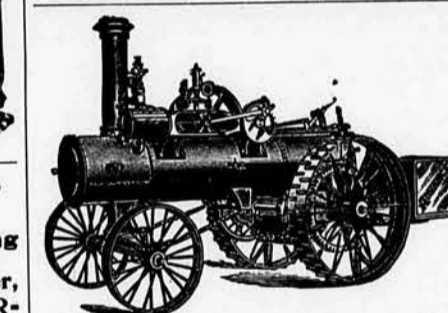
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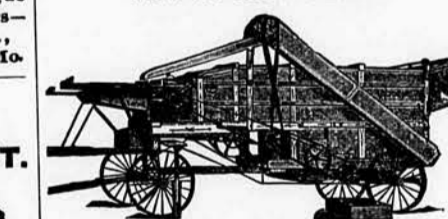
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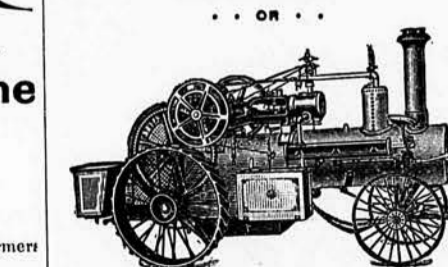


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