

THE FARM.

Blackleg.

This disease is considerably different from what other than stockmen would suppose from its name. It only affects cattle under two years old, and seems to attack the animal first in the limbs, neck, chest or flank, causing a tumor which gives a crackling sound under pressure. The disease causes death in from twelve to thirty-six hours.

Post mortem examination reveals discoloration of the flesh in the parts affected and a dark, red fluid is discharged. These so disposed might place portions of an animal on the block, which were diseased, in other parts, and while not desirable meat the consumer would never know the difference. It is also a fact that blackleg seldom afflicts an animal thin in flesh, but its ravages are rapid on fat young cattle and frequently a calf will be stricken and die from the fever caused by the disease before the discoloration has passed beyond the two quarters. This affords some good arguments for the existence of a competent beef inspector, for while death in the human family might not be traced to this cause, such meat is certainly not a desirable diet.

As to the nature of the disease, it is still claiming the attention of veterinarians as to cause and effect as well as to treatment. While much is known regarding it, a great deal remains to be absolutely proven.

In blackleg it is said the disease is caused by bacilli which are transferred from diseased animals to the healthy ones through the soil. These bacilli will live in the soil withstanding heat and cold an indefinite length of time. The germs from a diseased are absorbed in the soil and multiply in the soil of the pasture and the healthy cattle under proper conditions that follow in their path are infected in that way by their predecessors.

As to treatment, though any thing that tends to prevent animal from being thrifty, tends to ward off black leg, yet no medicine has proven satisfactory. But, thanks to our scientific men, a preventive has been found, aside from the ordinary rules of good sanitation. Vaccination, which has proved such a boon to the human race, in small pox, has been successfully employed in the treatment of black leg. Experiments have proved that the disease can be stamped out by carefully burning every animal that has died from it in a given locality and by vaccination of all calves of susceptible age.

A writer in the Scientific American says he has cleaned his premises of vermin by making whitewash yellow with copperas and covering the stones and rafters in the cellar with it. In crevices in which a rat might go he put the copperas and scattered it in the corners of the floor. The result was a complete disappearance of rats and mice. Since that time not a rat or a mouse has been near the house. Every spring the cellar is coated with yellow whitewash as a purifier and rat exterminator. He says that no typhoid, dysentery or fever attacks the family.

The new creamery at E-condido is supplying 500 pounds of butter per week. Not large but a heeinning.

Some of the farmers in the Grangeville country have so much water that they have to stop irrigating lest they get their orchards and vineyards too wet. What a pity that it is not so arranged that that surplus could be sold to parties who really need the water.

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Same conditions as in Purses that closed May 1, 1899. Send entries to

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For Track or Road A standard-bred trotter with a mark 2:15 1/4. A handsome bay in color. Stylish, toppy, kind, gentle, easy driver. An ideal road horse in every respect. Can be put in shape for the circuit this year. Apply to

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FOR SALE.

Five years old; bay, and bound to be a great sire. For particulars call or address this office.

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A standard and registered pacing mare with a record of 2:14 1-2 as a four-year-old in a winning race. Mare is now six years old, sound as a new dollar, much faster than her record, and in good condition to begin to work for the races this summer. Was not raced last year. Will be sold right. Address

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A handsome span of fine well-bred trotting horses, for gentleman's road team; also, harness road buggy complete. None but principals need apply.

Address "X," this office.

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Fast Trotters and Pacers, Broodmares, Fillies and Gentlemen's Roadsters.

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At Napa Fair Grounds, Napa, Cal., Thursday, May 25, 1899, at 10:30 'a. m.

The 7:30 A. M. boat from San Francisco connects with train for Napa, which stops at Fair Grounds; returning reach San Francisco at 6:15 P. M.

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GREAT WESTERN CIRCUIT MEETINGS

AT

INDEPENDENCE, IOWA,

August 22, 23, 24 and 25, 1899.

The Following Stakes Close Wednesday, May 17.

TROTTING.

No. 1—Three-year-olds and under.....	\$2,000
No. 2—2:40 Class.....	1,000
No. 3—2:26 Class.....	1,000
No. 4—2:20 Class.....	3,000
No. 5—2:16 Class.....	1,000
No. 6—2:12 Class.....	1,000
No. 7—2:08 Class.....	1,000

PACING.

No. 8—Three-year-olds and under.....	\$1,000
No. 9—3:00 Class.....	1,000
No. 10—2:26 Class.....	1,000
No. 11—2:20 Class.....	1,000
No. 12—2:14 Class.....	3,000
No. 13—2:10 Class.....	1,000
No. 14—2:07 Class.....	1,000

The Great Western Circuit, in conjunction with the Grand Circuit meetings at Detroit, Cleveland and Columbus (which follow Peoria and precede Hedrick), offers horsemen fifteen consecutive weeks' racing, with half a million in stakes and purses, and no long shipments. No other circuit offering equal inducements to horsemen was ever organized.

CONDITIONS—Entrance 5 per cent., payable as follows: 2 per cent. to accompany nominations in all cases; 1 per cent. payable by June 15; 1 per cent. payable by July 15; the remaining 1 per cent. payable by August 15; unless nominator desires to declare out which he may do by June 15 by payment of 1 per cent. or by July 15 by payment of 2 per cent. An additional 5 per cent. deducted from winners of an "art" of stake. Nominators may, by a payment of 2 per cent. additional on or before August 15, substitute another horse for the one originally named and not previously declared out, provided said horse was eligible to the class when the stakes closed, May 17, 1899. Nominators may name two horses in one class and he held but for one entrance fee, but must notify the Ass. Claitor not later than August 15 which horse will start. American Association Rules. Stakes for amount advertised. Only first money to horse distancing field, or for walk-over. Money divided 50, 25, 15 and 10 per cent. Right reserved to declare off stakes not filling satisfactorily. Entries in stakes off may be transferred to any other class to which they are eligible by the nominator at once notifying the President of his desire to have such transfer made. Classes will be so arranged that horses can start in one or more. Stake No. 2 (Nutwood Driving Club) for three-year-olds, valued at \$5000, will be arranged so that at least three days will elapse between it and the great Horse Review Combination Futurity for three-year-olds, valued at \$20,000. Address entries, etc., to A. H. FARWELL, Secretary Independence Driving Club, Independence, Ia.

DUBUQUE, IOWA,

August 28, 29, 30, 31, Sept. 1 and 2.

Entries Close Wednesday, May 17.

HORSE REVIEW COMBINATION FUTURITY.

No. 1—For three-year-old Trotters (closed).....	\$20,000
No. 2—For three-year-old and under trotters.....	\$5,000
No. 3—For 2:40 class trotters.....	\$2,000
No. 4—For 2:30 class trotters.....	\$2,000
No. 5—For 2:27 class trotters.....	\$2,000
No. 6—For 2:24 class trotters.....	\$5,000
No. 7—For 2:21 class trotters.....	\$2,500
No. 8—For 2:18 class trotters.....	\$2,500
No. 9—For 2:15 class trotters.....	\$3,000
No. 10—For 2:12 class trotters.....	\$3,000
No. 11—For 2:08 class trotters.....	\$3,000
No. 12—For three-year-old and under pacers.....	\$3,000
No. 13—For 3:00 class pacers.....	\$3,000
No. 14—For 2:35 class pacers.....	\$2,000
No. 15—For 2:28 class pacers.....	\$2,500
No. 16—For 2:20 class pacers.....	\$3,000
No. 17—For 2:17 class pacers.....	\$2,500
No. 18—For 2:15 class pacers.....	\$5,000
No. 19—For 2:12 class pacers.....	\$3,000
No. 20—For 2:10 class pacers.....	\$3,000
No. 21—For 2:07 class pacers.....	\$5,000
No. 22—Free-for-all Trotting Stallions.....	\$5,000

C. T. HANCOCK, President Nutwood Driving Club, Dubuque, Ia