

PUBLIC HOLIDAYS

A man hires with a farmer for seven months, from the middle of April to middle of November. How many public holidays is he entitled to during that time?

Sask.

SUBSCRIBER.

Ans.—Twenty-fourth of May, Dominion Day, Labor Day and Thanksgiving.

PROBABLY CONTAGIOUS ABORTION

A large number of cows in this vicinity will not conceive. Some served in early part of season did not show signs of oestrus, and by all appearances were in calf, until two or three, sometimes four months after service, when they would again come in heat. These have been served again, two or three times, but whether they are in calf or not is uncertain. During the period in which the cows seemed with calf, a number of them that came directly under my notice voided, while lying down, a thick, ropy white fluid or serum. It was much the same in appearance as fluid passed from animals with "whites," except sometimes had a light yellow color. The pregnant cows, apparently, do not void this serum.

ZAC.

Ans.—The indications are those of contagious abortion, though with that disease a fetus large enough to be noticeable would likely be found where the cows lie. The disease is liable to be carried to healthy cows by the bull having served affected cows. We know of no other way of accounting for the trouble. And the only preventive and curative treatment known is the isolation of affected animals and injecting into the vagina of affected cows two or three times a week a one-per-cent. solution of creolin or lysol until discharge is stopped.

GASOLINE ENGINES

I would like to get some information as to the relative value of tread powers and gasoline engines for use on the farm. Both are practically unknown here. A two-horse tread, driven by 1,200-lb. horses, will run an ensilage cutter the size of Fleury No. 6. What size gasoline engine should do the work? What difference is there between vertical and horizontal engines, also between air-cooled and water-cooled machines as to their ease of working? I want all the knowledge you or your readers can give me. Have two-thirds of the Canadian manufacturers gone out of business? If not, why don't they advertise?

C. W. B.

Ans.—Would advise the use of not less than 4 or 5 horse-power engine to replace the 2-horse tread power. In districts where the latter has been in quite common use for some years, it is now being gradually replaced by gasoline engines. The engines, though more expensive to operate, are handier to move around to different jobs on the farm, and they overcome one most serious objection to the treads, viz., the latter have been known to do serious injury to the stock operating them.

For this size power, we recommend the vertical type of engine, and there are successful air-cooled ones on the market now. An outfit for farm work should be as compact as possible. Gasoline ought to be carried in the engine base, and, if water-cooled, it should be of the extended-jacket type. This generally only holds a couple of pails of water, and does away with the cumbersome tank.

The query as to Canadian manufacturers not advertising is to the point. They are certainly backward in that respect, and should get busy.

\* \* \*

Two officers once appeared before one of the crowned heads of Europe to ask permission to fight a duel, as one had grievously insulted the other.

'Certainly, my friends,' said the King 'I will be present myself at the encounter.'

On the day appointed the King appeared on the scene with a sinister looking person, who proved to be the public executioner.

'You see those two men? Immediately after their duel, you will behold the survivor.'

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