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TORONTO

A Profitable Cow

An Ayrshire cow, Marjorie 16536, at the Central Experimental Farm, Ottawa, has recently completed an extra good record. A representative of Farm and Dairy, while in Ottawa last week was informed by Mr. J. H. Grisdale, of the Experimental Farm,



Horses and cattle have a habit of leaning and pressing down upon the top wire a fence. If persisted in, this continual pressure will be long cause the long stay on the ordinary fence to bend then break.

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that in seven days, Feb. 8 to Feb. 14, this cow had given 896 lbs. milk testing 5.1 per cent or 30.22 lbs. butterfat. The average daily production of milk was 56 2/3 lbs.

While the amount of milk produced was not exceptional, it was produced at comparatively little cost, owing to the small amount of feed consumed. During the seven days this cow consumed 50 to 60 lbs. of roots, 25 lbs. ensilage, 5 lbs. clover hay and 15 lbs. meal. The meal was composed of 6 lbs. bran, 3 lbs. pea meal, 3 lbs. oil meal, 2 lbs. gluten and 1 lb. oats.

The butter produced at the Experimental Farm has been selling at 85 cents a lb. The butter produced by this cow each day, therefore, was worth \$1.10. Allowing a value of 12 cents a day for skim milk, the total value of her product was \$1.22 a day. Mr. Grisdale estimated that last feed cost 30 cents a day leaving a profit of 92 cents a day.

The Feeders' Corner

The Feeders' Corner is for the use of our subscribers. Any interested are invited to ask questions, or send items of interest. All questions will receive prompt answers.

Feed Molasses to Dairy Cattle

"Last winter we fed molasses to our dairy cows and they did well on it," said Mr. Hector Gordon, of Howick, Quebec, to a staff representative of Farm and Dairy who visited his place recently. "The cows were fed cut straw with ensilage on it, and some molasses diluted with water spread over all. The cows never ate it up clean but they licked their mangers and looked for more."

"The molasses cost us on an average 30 cents a gallon. It required about four gallons a week to feed 15 cows twice a day. Our grocer bought us the molasses last year by the box-head, delivered in car loads at our station. This winter we are unable to feed it as the price of molasses has advanced."

Composition of Feeds Stuff

On page 3 of Farm and Dairy, January 22nd issue, in an article on the Adulteration of Cattle Feeds, there is a table of compositions of foods. In this table correct as regards its amounts of protein contained in different feeds. For instance linseed meal contains only 34.4 crude protein while gluten meal contains 38.8 crude protein, and gluten feed contains 28.6 crude protein. Kindly advise me if this is correct and greatly oblige.—A. T. W. Beaconsfield, Ont.

The average composition given in the table referred to was taken from the College bulletin 138, "The Composition of Ontario Feeding-Stuff," and is the average of thirteen samples of linseed meal analysed in our laboratory. The amount of protein in these thirteen samples varied from 25.87 to 33.94, average 30.41. The average for the gluten feed was also taken from the same bulletin and is, for seventeen samples sent in to us and named gluten feed, from 25.25 to 28.94 per cent., average 25.65 per cent. The analyses of twenty-two samples of so-called gluten meals are also given in the same bulletin. The variation in these was from 15.00 to 34.09 per cent., average 24.96 per cent. We cannot be certain that any of the samples were pure gluten meals and the average placed in the table referred to was secured from elsewhere. The Vermont and New York Experiment Stations record analyses of pure gluten meals as over 38.00 per cent.

Both the gluten meal and the gluten feed are by-products in the manufacture of starch and glucose from corn. The gluten meal is the best of the protein or glutinous part of the corn, and the gluten feed is a mixture of the corn bran and the true gluten

meals. There seems to be a tendency in this country to sell all glutes under the name gluten meal instead of gluten feed. The wide variation in products selling under the same name is certainly a good reason for the enactment of a law which makes it compulsory to sell these substances according to their composition or under guarantee. Such a law would protect the purchaser against low grade and adulterated material, the manufacturer and dealer against dishonest practices, and assist in promoting the intelligent use of these valuable feeding stuffs.—R. Harcourt, Ontario Agricultural College, Guelph.

Our Legal Adviser

DAMAGES FOR BUSH FIRE—Can I claim damages in the case of a bush fire last fall? The case may be stated as follows: B put out fire in a slash at a time when the weather was very dry, though not in the month prohibited in the act. A's bush is located beside this slash. B gives no notice whatever of his intentions to put out fire at that time. While both B and A are away to town a wind springs up and blows the fire into the line fence and it spreads into A's bush and burns second growth maple and ash as well as considerable large timber. B made no effort to stop the fire in A's bush nor did he allow that it burned the fences. While A's bush was burning B continued to set more fire in his own slash. Can A do anything in the matter. We have a township by-law, but it says nothing about fire. What steps should you advise A to take?—J. Mc, Bruce Co., Ont.

B has a right to set out fire on his own land for the purpose of clearing it, and is not responsible if the fire should happen to escape to a neighbor's land, if he (B), has set out the same at a suitable time, and has taken reasonable precautions afterwards, to confine the fire to his own property. If he fails to do this he would be liable to damages for his negligence. The question of negligence is ordinarily one which should be dealt with by a jury, who would have to take into consideration all the circumstances of the case. The nature of the weather, whether dry or wet, the condition of the wind, the time of the year, the help provided to prevent

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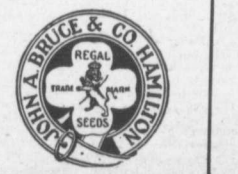
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