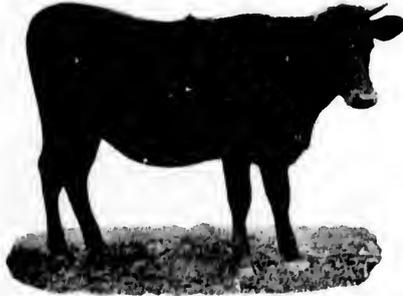


her, by permission of the committee, among the English Jerseys. She suited the pure-bred Jersey very well in appearance, and won the second prize. This heifer is represented in the annexed engraving, from a photograph taken the day after the competition.



LT.-GOVERNOR HOWLAND'S CANADIAN HEIFER.

If the question of breed must not be neglected, there is another that must not be neglected either, and that is the individual fitness of the cow as a milker. Because a cow is an "Ayrshire," a "Jersey," a "Canadian," it does not follow that she must necessarily be a good milker. In all breeds there are good and bad milkers. The farmer, then, that desires to reform his herd must study with care the milking propensities of the cows that he wishes to introduce into his herd to reform it, and he must bear in mind two things: first, that the cow gives a good quantity of rich milk, and that her lactation lasts at least ten months out of the twelve; and secondly, that she inherits these qualities from her ancestors. It may accidentally happen that, from a caprice of nature, a good cow is the offspring of a bad one. But, as a general rule, the heifers of such a cow as the former produces will be bad milkers, because the character of the good milker, their dam, is not fixed by heredity. Such a cow is not a purchase for a farmer who aims at establishing a herd of good milkers, to perpetuate them afterwards, and to improve them by the rearing of the heifers that come from the cows that are the formation of the herd. What such a man needs is cows that for three or four generations come from good milkers, from mother to daughter. It is here we see the great share that pedigree has in the breeding of thoroughbred stock. The more marked the hereditary type, the easier the formation of good herds of first-class milkers.

In order to show you the enormous difference presented by different types of cows, in regard to the profit to be got out of them, I will show you the four cows, "Dido," "Becky," "Aline," and "Dora."