

Some Points That Helped the Judges

Two important features of Mr. Geo. McKenzie's farm, which was awarded first prize in the dairy farms' competition last summer, were the cleanliness and neatness of everything about the farm; and the fact that Mr. McKenzie had been working for years with a definite object in view—the improvement of his farm. These were features about the farm in general, as noticed when visited by the judges in June. Mr. McKenzie follows a system of rotation in his farm management. This consists of corn and roots the first year, followed by grain sowed to grass, and last down for from one to three years, according to condition of land as to weeds. As a result of good management, his crops were in good shape. The cattle also were in excellent condition.

It was at the time of the winter visit, however, that these features became even more apparent. Many dairymen, owing to lack of proper stable accommodation, have their stables in winter in a very unsanitary condition. As a consequence, stock does not look, or do, as well as it might. Mr. McKenzie's stables were the opposite of this. They are commodious, well lighted and well ventilated. The walls are kept white-washed, and the floor is clean. The stock gives evidence of its comfortable quarters, and the good treatment it receives. They are groomed every two

or three days. A large silo is a feature of the stable.

The herd is composed of a few registered Holsteins, and some good grade Holsteins. The rest are common grades, which Mr. McKenzie intends to dispose of as soon as possible. He has two of his best cows entered in the yearly test, and is testing others himself.

Mr. McKenzie feeds turnips, together with bran and shorts, oil cake meal, chaffage and wheat chaff. He has had no complaints about tainted milk from the feeding of turnips, as he feeds them judiciously, in limited quantities and immediately after milking. Furthermore, the milk after being drawn, is handled so as to ensure its best keeping qualities.

Mr. McKenzie is experimenting with the maulin curtain system of ventilation. This system originated in the United States, and is in use in a number of large dairies, there and is giving very general satisfaction. It has been tried, also, in some places in Canada, particularly at the Experimental Farm at Ottawa, but is not giving the best of satisfaction. Mr. McKenzie has not experimented with it long enough to warrant him in drawing conclusions. He seems to think, however, that it makes the stables too cool and damp.

HANDLING THE MILK

A good cement milk house erected on this dairy farm last fall, has much to do with the good quality of the milk produced. This is divided into

AYRSHIRE RECORD OF PERFORMANCE

The following is a list of the Ayrshire Cows which have qualified for the Record of Performance during 1907.

MATURE CLASS.

Name of Cow.	Owner.	Use of Milk.	No. of Pnt.	Days in Year.
Lady Stewart, No. 11055	A. Hume, Menie, Ont.	9,014	344.65	322
Almaida of Danville, No. 15,282	G. Laugiller, Cap Rouge, Que.	11,357	408.95	305
Milly, No. 1,209	" " " " " "	10,629	379.00	302
Lady Isabel, No. 7,467	J. N. Greenhields, Danville, Que.	8,884	312.00	344
Miss Sandland, No. 8,594	" " " " " "	8,613	317.00	345
Miss Sandland, No. 8,594	" " " " " "	8,574	312.57	345
Barnegont Heather Birds, No. 11,369	M. R. Nis, Howick, Que.	8,549	319.02	322
Nelle Burns of Burnside, No. 2,292	" " " " " "	8,721	304.05	375
Matchless Beauty of Neatharion No. 10,693	G. Laugiller, Cap Rouge, Que.	8,845	312.4	305
Daisy Carleton, No. 11,548	J. N. Greenhields, Danville, Que.	12,297	386.40	305
Lady Pearl of Burnside, No. 15,467	M. R. Nis, Howick, Que.	9,291	328	287

THREE YEAR OLD CLASS.

Norma, No. 18,391	W. D. Parker, Hatley, Que.	7,141	292	350
Julius of Hickory Hall, No. 18,392	N. Drymont, Clapton, Ont.	7,116	307	343
Primrose of Hickory Hall, No. 18,393	" " " " " "	8,584	378	355
Rosalee of Hickory Hall, No. 23,492	" " " " " "	7,053.7	310	365

TWO YEAR OLD CLASS.

Lady Clare 4th of Burnside No. 22,280	R. R. Nis, Howick, Que.	7,909	309.3	294
Barcheskie Sucky Girl, No. 21,265	" " " " " "	8,719	320	313
Romland Dorothy, No. 21,270	" " " " " "	9,046	315.3	302
Phylaxion Rose, No. 21,280	" " " " " "	7,163	285	325
Sue of Hickory Hill, No. 22,286	N. Drymont, Clapton, Ont.	7,445	292	353
Isaleigh Nancy 1st, No. 20,255	J. N. Greenhields, Danville, Que.	7,439	277.1	343
Sunmyer Princess, No. 10,266	W. D. Parker, Hatley, Que.	6,714	273	350
Minnie of Elm Shade, No. 13,838	H. Gordon, Howick, Que.	7,254	293	289
Barcheskie Sybil	" " " " " "	6,090	275.9	326
Stadsons Silly	G. Laugiller, Cap Rouge, Que.	7,021	287	309
Adalia 2nd, No. 22,009	E. Cohoon, Hartsville, Que.	9,921	306.9	305

milk vat is a stand, on which is located a large wooden tank. This tank is fed by a windmill drawing from a spring. Owing to its elevation, the bottom being considerably higher than the level of the barn, the water runs to the barn by gravitation, where it is distributed into water basins, in front of each cow.

Besides Mr. McKenzie's herd of well bred Holsteins, he has a flock of pure bred Plymouth Rocks, that is deserving of mention. There are two compartments, one being for ice, and the other containing a vat in which the milk is placed. Above the

about one hundred birds in this flock, which have all been carefully selected, and bred from good egg-laying strains of the breed.

MR. DUNCAN'S FARM

The largest dairy farm in the dairy farms' competition is that of Mr. David Duncan, of Don. Mr. Duncan's farm consists of about 300 acres and supports 87 head of cattle, principally pure bred Jerseys. Mr. Duncan follows a good system of rotation, and, as a consequence, he has been able to greatly increase the fertility of the soil, thus enabling him to produce good crops from year to year.

His buildings are large and airy. His stables are not quite so well modelled as some of the other stables in the competition, though he proposes remodelling them shortly. His herd of pure bred Jerseys is the best of any of the competitors in the competition. It is, in fact, a show herd having won many prominent prizes at the leading Canadian fairs.

At the time of the winter visit of the judges, the stock was in good condition. Mr. Duncan is feeding Gooderham grains, and finds them both cheap and effective. Besides this, he has two silos, which gives him an abundance of good feed, not only for winter but also for summer. He claims that by having a summer silo he can produce milk far cheaper, and keep his cattle in better condition than though they did not have this feed. The water facilities are good. Water is piped to the house from a spring half a mile away. For the stable water is pumped by a windmill and distributed into water basins in front of each cow. The stables are hardly as well lighted and ventilated as are those of Mr. McKenzie.

Besides the dairy, Mr. Duncan turns off a large number of hogs each year. This branch of the business he regards as a most profitable adjunct to dairying. Mr. Duncan has sold over \$1,000 worth of hogs at one time. He secured second prize in the competition.

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