

Superintendent Clemons on the Model Dairy Test.

I may say that, in my opinion, there are two lessons forcibly impressed on the student of the "Model Dairy" figures, viz.: That butter can be produced at a good profit under adverse circumstances when good judgment is used; and "that individual excellence counts for more than breed in cheap production."

I wish it to be remembered from the first, that the Guernseys were, I believe, fitted for eighteen months for this test, while the Canadian herds were selected the last three weeks, before the test commenced, which was a serious disadvantage to them. Taking the Canadian herds individually,



HARRY IRWIN, NEEPAWA.

the Jerseys were handicapped at starting, in that Rexina of Maple Grove did not calve until May 7th, losing a week's production, while her feed was charged against her for this period.

Primrose Park's Prude, the best cow in the herd, was very erratic at first, fed quite poorly, and seemed to be homesick. I think she had been used to a deal of "fussing and petting" when a family cow. The Ayrshires were a very even and typical herd, the best in the barn in this respect.

Kirsty Wallace of Auchenbrain seemed, in the first part of the test, to be lacking in vigor, due, I think, to excessive forcing.

The Shorthorns were a fairly good lot. Miss Molly, the best one of the herd, was very thin in flesh, and lost considerably in production on that account.

The French-Canadians, who were a surprise party, suffered somewhat from the presence of the miniature cow, La Bouchette, who, though due to calve about Dec. 15th, yet did very well.

Meg, of the Holstein herd, lost through sickness early in the test, and never regained this loss. Inka Mercedes De Kol, who was not four years old till July 26th, 1901, had her third calf in March, and just finished an official test of 14,069.65 lbs. of butter-fat in a week, which was certainly a great strain on a cow before entering a food test. Prof. Robertson picked her as the best cow in the herd.

Hulda Wayne was only four years old on Aug. 20th, 1901; was shipped to the Pan the day after she calved, and yet stood second in the herd, and thirteenth in the grand total. I think this stamps her as a rare good three-year-old. Beauty of Norval, the best one of the herd, was like "Primrose," very erratic at the beginning, refusing to eat ensilage at all. Yet she proved her worth by standing second in total production, and her staying qualities by leading the barn the last month of the test.

The Holsteins and Jerseys were showing the best staying qualities, and had the test been for nine months, would have overhauled the Guernseys.

The Holsteins and Ayrshires plainly demonstrated their superiority for cheesemaking and for the milkman, and had skim milk been taken into consideration in connection with the production of butter, as it certainly should, they would prove themselves equally as serviceable as the Channel Islanders in the production of butter.

I have compiled a table showing the value of the four leading dairy breeds in the production of butter, taking the profit on butter-fat produced, and profit on skim milk at 15c. and 20c. per hundred. It certainly is worth 15c., and

many claim the latter figure is more nearly correct. I allow the manure and buttermilk for the labor. In compiling these tables I considered the Holstein and Ayrshire milk as showing 18 per cent. cream, and the Guernsey and Jersey as showing 22 per cent., which I think a fair average. I took the profit on fat, as this credits the cow with all she produces, leaving no losses to imperfect churning, accidents, etc. The churning at the dairy was largely experimental, sometimes almost farcical. It was shown that the cream from different breeds required very different treatment in order to thoroughly separate the butter.

The tables, taking skim milk into consideration, are as follows:

Guernseys—			
21,159.32 lbs. skim milk, at 15c. =	\$ 31 73,	at 20c. =	\$ 42 31
Profit on butter-fat.....	230 10		230 10
Total	\$261 83		\$272 41
Jerseys—			
21,049.93 lbs. skim milk, at 15c. =	\$ 31 57,	at 20c. =	\$ 42 09
Profit on butter-fat	225 44		225 44
Total	\$257 01		\$267 53
Ayrshires—			
27,056.88 lbs. skim milk, at 15c. =	\$ 40 58,	at 20c. =	\$ 54 11
Profit on butter-fat.....	217 68		217 68
Total	\$258 26		\$271 79
Holsteins—			
32,193.03 lbs. skim milk, at 15c. =	\$ 48 28,	at 20c. =	\$ 64 38
Profit on butter-fat.....	210 56		210 56
Total	\$258 84		\$274 94
Brant Co., Ont.		G. W. CLEMONS.	

October Butter and Cheese Scores at Pan-American.

We give herewith the scores made by the Canadian exhibits of butter and cheese in the October competition at the Pan-American Exposition at Buffalo:

(Canada Creamery Butter.)		
Name of Exhibitor.	Sound.....	Score.
J. McQuaker, Owen	97.50	95.
S. R. Brill, Teeswater.....	97.25	97.25
W. H. Stewart, Frontier.....	97.	97.
J. Ireland & Son, Beechville.....	96.75	96.75
J. Ireland & Son, Beechville.....	95.25	95.25
J. Ireland & Son, Beechville.....	95.75	95.75
A. G. Calder, Dunkeld.....	95.75	95.75
W. H. Brubacher, Ferguson.....	96.75	96.75
A. Wenger, Ayrton.....	95.	95.
A. Wenger, Ayrton.....	95.75	95.75
E. E. Lister, Chatham.....	94.25	94.25
E. E. Lister, Chatham.....	94.	94.
Dolly Bennett, Russellton.....	93.75	93.75
Dolly Bennett, Russellton.....	96.75	96.75
W. H. Stewart, Frontier.....	95.75	95.75
(Canada Export Cheese.)		
J. T. Morrison, Woodstock.....	98.25	98.25
Cornell Bros., Thamesford.....	97.	97.
Alex. McKay, Brookdale.....	98.25	98.25
S. R. Bayne, Warsaw.....	96.75	96.75
J. S. Isard, Paisley.....	95.50	95.50
Henry Minor, Canboro.....	95.25	95.25
McCluse Clum Co., Maynooth.....	98.	98.
Robert Cuddie, Woodstock.....	94.75	94.75
D. Sinclair, Arthur.....	97.	97.
R. R. Cranston, Lawrence.....	98.	98.
J. S. Isard, Willisgroft.....	97.50	97.50
Thos. F. Boyes, Lambeth.....	97.50	97.50
Andrew Clancy, Rockwood.....	98.	98.
S. P. Brown, Birnam.....	95.50	95.50
O. J. B. Yearsley, Little Britain.....	97.25	97.25
Hugh E. Wilson, Keyser.....	98.75	98.75
Hugh E. Wilson, Keyser.....	95.75	95.75
John E. Stanton, Cotswold.....	97.50	97.50
D. A. Demsey, Stratford.....	97.50	97.50
J. S. Johnson, Baum.....	96.	96.
W. T. Hollis, Hay Bay.....	96.25	96.25
Kennedy, Welland.....	94.25	94.25
Benson Avery, Summerstown.....	98.	98.
Benson Avery, Summerstown.....	96.50	96.50
J. W. Clarridge, Glen Huron.....	97.	97.
J. W. Clarridge, Glen Huron.....	98.	98.
Jos. S. Ragsdale, Huntley.....	98.	98.
G. V. DeLong, Little Current.....	96.25	96.25
Robt. Groat, Georgetown.....	97.	97.
Alex. McGregor, Russell.....	98.50	98.50
F. E. Cline, Lakesfield.....	98.25	98.25
F. E. Cline, Lakesfield.....	96.75	96.75
J. E. Fester, Port Maitland.....	96.50	96.50
A. G. Darrock, Fordwich.....	97.	97.
E. M. Johnston, Innerkip.....	97.	97.
William Gräer, S. Cayuga.....	94.25	94.25
C. A. Publow, Perth.....	97.75	97.75
Geo. Travis, Tilsonburg.....	98.	98.
John Connolly, Malcolm.....	98.	98.
Robert Johnston, Bright.....	98.	98.
Owen Griddle, Courtland.....	97.	97.
Frank Travis, Courtland.....	95.75	95.75
W. J. Douglas, Port Stewart.....	98.	98.
H. J. Scott, Culloden.....	95.50	95.50
J. H. Williams, Lyons.....	96.25	96.25
Robert Smith, Moncton.....	97.50	97.50
William Waddell, Kerwood.....	96.50	96.50
Mary Morrison, Newry.....	98.25	98.25
Geo. Cleall, Selby.....	95.50	95.50
E. G. Marshall, Guysboro.....	97.75	97.75
W. Afflick, Clayton.....	98.75	98.75
John Echlin, Carlton.....	98.50	98.50
Geo. E. Goodhand, Milverton.....	96.50	96.50
Geo. E. Goodhand, Milverton.....	94.25	94.25
M. Morristown, Harriston.....	97.25	97.25
M. Morristown, Harriston.....	95.50	95.50
Edward Bryce, Perth.....	98.75	98.75
T. B. Selson, Laurel.....	98.	98.
D. M. Wilson, Rock Springs.....	97.	97.
L. H. Schneider, Moncton.....	97.50	97.50
C. McDonald, Lakefield.....	94.	94.
Jos. Burgess, Hazelbrook.....	96.75	96.75
B. Jenkins, Mt. Albion.....	96.50	96.50
John Smith, Pownall.....	95.25	95.25
Chas. Myers, Lakefield.....	97.50	97.50
T. E. Young, Watford.....	97.50	97.50
Connolly Bros., Thamesford.....	98.25	98.25
Connolly Bros., Thamesford.....	97.75	97.75
Connolly Bros., Thamesford.....	96.25	96.25
S. P. Brown, Birnam.....	98.50	98.50
O. J. B. Yearsley, Little Britain.....	97.50	97.50
H. H. Curtis, Hawkesbury.....	98.25	98.25
J. G. Corless, Burgessville.....	98.	98.
J. H. Williams, Lyons.....	98.50	98.50
Geo. Cleall, Selby.....	98.50	98.50
Connolly Bros., Thamesford.....	96.75	96.75
J. G. Corless, Burgessville.....	97.75	97.75

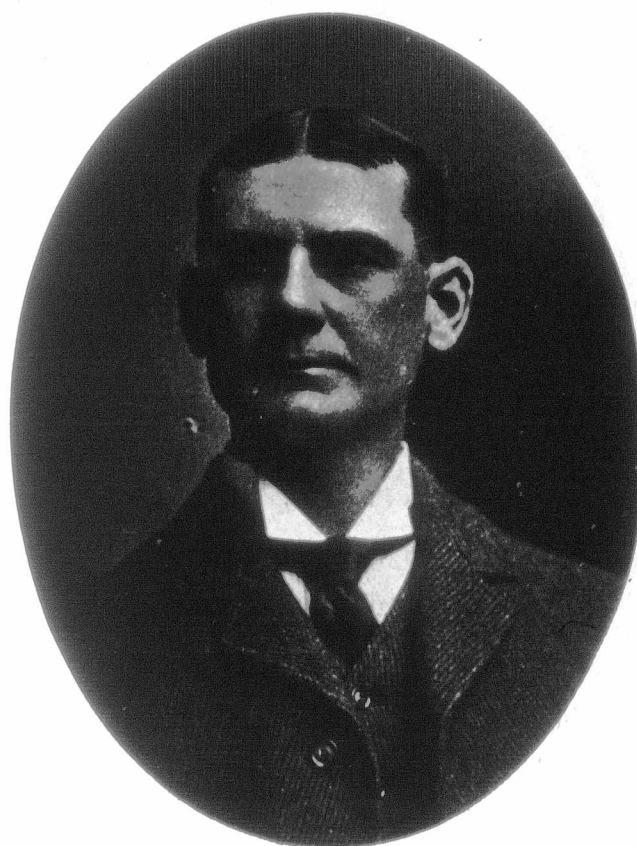
A Notable Milking Record.

There are few finer herds of dairy cattle in England than that kept at Tring Park, where a specialty is made of developing the milking properties of the stock and where careful records are kept from day to day of the performances of the animals comprised in the herd. The breeds kept comprise Red Polls, Jerseys, and Shorthorns, and during the year ending with the closing week in September the herd contained 43 Red Polls, 36 Shorthorns, and 31 Jerseys, all of which had been in the herd for the whole year. In addition to these, a number of cows and heifers were also purchased during the season; for the latter separate returns had been kept. The milk record of the herd for the past year has just been issued, and it shows that the 43 Red Polls kept produced an average of 680 gallons of milk, the 36 Shorthorns an average of 650 gallons, and the 31 Jerseys an average of 630 gallons during the twelve months.

The best average yield in the case of the Red Polls stood to the credit of an eleven-year-old cow which was on her eighth calf and which, during the 306 days over which her period of lactation extended, produced 1,080 gallons of milk, or an average of over 3½ gallons per day. Another, an eight-year-old cow, which had been in milk for 201 days, produced 699 gallons of milk, or an average of about 3½ gallons per day; while a third which had been in milk all through the year produced 1,180 gallons, or a daily average of about 3½ gallons.

The best of the Shorthorns had to her credit the very fine yield of 1,160 gallons of milk in 320 days, or an average of over 3½ (32.26) gallons of milk per day. Several of the other cows of this breed produced on an average over three gallons of milk per day, but their net average fell slightly short of the fine performance of the Red Polls.

Quite a feature of this milking record is the good show made by the Jerseys. As a breed, Jerseys are noted more for the quality than for the quantity of the milk produced by them. An average yield of 630 gallons per year over a whole herd of 31 must, therefore, be considered very remarkable. One of the Jerseys in this herd gave the great yield of 1,050 gallons of milk in 324 days, or an average of about 3½ gallons per day for a whole season.



GEORGE H. HALSE, BRANDON.

This is by far the best performance for a cow of this breed that we have come across for some time. The cow which gave this fine yield was calved in 1888 and has produced no fewer than 12 calves, so that she affords an admirable exemplification of the force of the old saying that the good breeder is usually a good milker.—Farmer's Gazette.

"I consider the 'Farmer's Advocate,' of London, the best farmers' paper printed in Canada, and would recommend it to everyone who wants a thoroughly up-to-date farmers' and stockmen's journal."—J. Henry Golden, Golden Grove Dairy Farm, Malden.