

Percentage of Profit from Butter Actually Churned.—Buffalo Test.

BREEDS.	Lbs. of Milk.	Lbs. of Butter.	Value at 25c. Cost of Feed.	Net Profits from Butter.	Additional Profit from Gain in Weight.		Total profits from butter and gain in weight.	Percentage of profit from churned butter and gain in weight.
					Weight Gained.	Value at 3c. per lb.		
1. Fr. Canadian	24,678.4	1,025.30	\$256.32	\$143.22	288 lbs.	\$8.64	\$151.86	134.2 P.C.
2. Jersey.....	26,087.1	1,047.37	311.84	174.06	189 "	5.67	179.73	130.4 "
3. Guernsey...	27,127.6	1,233.22	308.80	171.81	195 "	5.85	177.66	129.7 "
4. Polled Jersey	20,278.9	963.52	241.38	131.91	185 "	5.55	137.46	125.6 "
5. Red Polled..	25,004.9	1,170.72	292.68	154.65	349 "	10.47	165.12	119.6 "
6. Ayrshire.....	32,006.2	1,214.05	303.62	162.64	199 "	5.97	168.61	119.6 "
7. Holstein....	39,359.8	1,251.57	312.89	148.20	391 "	11.73	159.93	97.1 "
8. Brown Swiss	30,891.5	1,126.57	281.64	134.38	168 "	5.94	140.32	95.3 "
9. Shorthorn....	31,874.9	1,140.65	285.16	123.04	804 "	24.12	147.16	90.8 "
10. Dutch Belted	24,893.5	907.33	226.83	94.51	375 "	11.25	105.76	79.9 "

During the first three weeks of the test, the butter was not churned (as required by the rules) but only estimated. The first three weeks were therefore officially omitted in deciding the competition for actual butter. Taking into account the *estimated* butter for the whole term, and adding the value of the gain in weight on the official basis of 3c. per lb., the percentage of profit to cost of feed was:—Average of best three Canadians, 177; Guernseys (five cows), 171; Jerseys, 168; Canadians (five cows), 160; Polled Jerseys, 160; Ayrshires, 150; Red Polls, 151; Holsteins, 136; Brown Swiss, 128; Shorthorns, 121; Dutch Belted, 97. The Canadians were not at their best during the first few weeks, being unaccustomed to the feed supplied. It was three weeks before one of them ("Luna,") would eat ensilage.

The records of the best individual cows of several of the breeds are even more instructive,