

The following table, giving a summary of the articles and machines inspected in the fiscal years ended Mar. 31, 1937 and 1938, shows an increase of 53,448 articles and devices inspected over 1936-37, including an increase of 12,384 in weighing machines. The total revenues collected by the Service in the fiscal years ended 1937 and 1938 amounted to \$399,626 and \$395,465, respectively, while the expenses, including salaries, totalled \$345,199 and \$385,207, respectively.

#### 24.—Inspections by the Weights and Measures Service, fiscal years 1937 and 1938.

Article.	1937.				1938.			
	Sub- mitted.	Veri- fied.	Re- jected.	Per Cent Rejected.	Sub- mitted.	Veri- fied.	Re- jected.	Per Cent Rejected.
	No.	No.	No.	p.c.	No.	No.	No.	p.c.
Weights (Dominion).....	102,756	98,898	3,858	3.75	123,720	112,516	11,204	9.05
Weights (metric).....	1,202	1,160	33	2.75	1,033	997	36	3.50
Measures of capacity.....	54,046	53,855	391	0.72	58,248	57,758	490	0.84
Measures of length.....	7,676	7,658	18	0.23	9,038	9,014	24	0.27
Milk-cans.....	70,757	70,577	180	0.25	81,475	81,229	246	0.30
Ice-cream containers.....	47,594	47,594	Nil	-	47,017	47,017	Nil	-
Measuring devices (gas pumps).....	49,339	41,629	7,710	15.61	54,785	45,212	9,573	17.47
Tank wagons.....	669	656	13	1.94	738	712	26	3.52
Babcock glassware.....	40,732	40,568	164	0.40	40,021	39,925	96	0.24
Weighing machines.....	183,439	158,566	24,873	13.40	195,823	167,675	28,148	14.43
Weighing machines (metric).....	773	748	25	3.23	722	696	26	3.60
Domestic scales.....	14,811	14,615	196	1.32	14,870	14,582	288	1.94
Miscellaneous.....	12,140	12,105	35	0.29	11,892	11,843	49	0.41
<b>Totals.....</b>	<b>585,934</b>	<b>548,738</b>	<b>37,196</b>	<b>6.35</b>	<b>639,382</b>	<b>589,076</b>	<b>50,306</b>	<b>7.87</b>

### Section 8.—Electricity and Gas Inspection.\*

The Electricity and Gas Inspection Branch of the Department of Trade and Commerce administers three Acts: the Electricity Inspection Act (c. 22, 1928), the Gas Inspection Act (c. 82, R.S.C., 1927), and the Electricity and Fluid Exportation Act (c. 54, R.S.C., 1927).

The latest report of the Branch shows 518,385 electricity and gas meters tested in the fiscal year ended Mar. 31, 1938, as compared with 518,415 in the preceding year. The total revenue derived from electricity and gas inspection was \$348,461 as compared with an expenditure of \$235,754. The Branch also collected \$431,419 as export duty and licence fees under the provisions of the Electricity and Fluid Exportation Act; the cost of collecting this revenue was only \$376.

Other related statistics collected in the administration of the last-named Act will be found on p. 366, in the Water Power chapter of the Year Book. Here, however, are given statistics, also collected by the Branch in the process of administration, showing a phenomenal increase in the number of consumers of electricity in the past 24 years from 505,597 to 1,905,692 (Table 25); a lesser increase in the gas meters in use from 267,454 in 1916 to 685,888 in 1938 (Table 26); and the number of cubic feet of gas sold in Canada from 1920 to 1938 classified as carburetted water gas, coal gas, coke oven gas, natural gas, acetylene gas, and butane (Table 27).

\* Revised by J. L. Stiver, Director, Electricity and Gas Inspection Service, Department of Trade and Commerce.