

The following table is a summary of the articles and machines inspected in the fiscal year 1930-31.

24.—Inspections by the Weights and Measures Service, fiscal year ended Mar. 31, 1931.

Article.	Submitted.	Verified.	Rejected.	Percentage of Rejections.
Weights (Dominion).....	89,259	85,258	4,001	4.5
Weights (metric).....	1,047	1,022	25	2.4
Measures of capacity.....	73,612	73,023	589	0.8
Measures of length.....	11,121	11,023	98	0.9
Milk cans.....	79,201	79,105	96	0.1
Ice cream containers.....	51,597	51,563	34	0.06
Measuring devices.....	53,153	47,278	5,875	11.05
Tank wagons.....	661	650	11	1.6
Babcock glass ware.....	43,304	43,179	125	0.27
Weighing machines.....	184,365	163,088	21,277	11.5
Weighing machines (metric).....	522	511	11	2.1
Totals.....	587,842	555,700	32,142	

The total revenue collected by the Service during the year amounted to \$420,306 and the total expenses, including salaries, totalled \$353,385.

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 495,819 electricity and gas meters tested in the fiscal year ended Mar. 31, 1931, as compared with 489,569 in the preceding year. The total revenue derived from electricity and gas inspection was \$331,018, as compared with an expenditure of \$229,691. The Branch also collected \$395,545 as export duty and licence fees under the provisions of the Electricity and Fluid Exportation Act; the cost of collecting this revenue was only \$210.

Statistics collected as a by-product of the administration of the last-named Act will be found on p. 294, in the Water Power chapter of the Year Book. Here, however, may be given statistics collected by the Branch in the process of administration and showing the phenomenal increase in the number of consumers of electricity in the past sixteen years, from 505,597 to 1,654,922 (Table 25); the lesser increase in the gas meters in use from 267,454 in 1916 to 656,731 in 1931 (Table 26); and the number of cubic feet of gas sold in Canada from 1920 to 1931, classified as carburetted water gas, coal gas, coke oven gas, natural gas, acetylene gas and butane (Table 27).

25.—Number of Electricity Meters in Use, fiscal years ended Mar. 31, 1915-31.

Fiscal Year.	Number.	Fiscal Year.	Number.
1915.....	505,597	1923.....	1,046,831
1916.....	517,629	1924.....	1,094,630
1917.....	594,737	1925.....	1,165,664
1918.....	661,403	1926.....	1,240,752
1919.....	717,776	1927.....	1,314,428
1920.....	743,468	1928.....	1,412,521
1921.....	860,379	1929.....	1,499,872
1922.....	945,599	1930.....	1,582,505
		1931.....	1,654,922