

(a) Every new type of weighing and measuring device must be submitted to the Department at Ottawa for approval before being placed on the market.

(b) Every new machine must be inspected and stamped by an inspector before being sold or taken into use.

(c) Imported machines are held by the customs until release is approved by the nearest inspector.

(d) All inspections take place on the traders' premises, except where devices are brought to the inspection offices.

(e) Fees are charged for inspection and stamping, the schedule being defined by Order in Council, and all moneys so collected are paid into the Consolidated Revenue Fund of Canada.

The following table is a summary of the articles and machines inspected in the fiscal year 1927-28.

24.—Inspections by the Weights and Measures Service, fiscal year 1927-28.

Articles.	Submitted.	Verified.	Rejected.	Percentage of rejection.
	No.	No.	No.	p.c.
Weights.....	84,474	82,908	1,566	1.85
Weights, metric.....	641	630	11	1.75
Measures of capacity.....	94,465	94,286	179	0.18
Measures of length.....	7,954	7,915	39	0.49
Milk cans.....	86,767	86,701	66	0.07
Ice cream containers.....	40,263	40,263	—	—
Babcock glassware.....	49,235	48,447	788	1.63
Measuring devices.....	34,776	31,926	2,850	8.19
Weighing machines.....	182,310	163,926	18,384	10.08
Weighing machines, metric.....	519	495	24	4.85
Tank wagons.....	184	184	—	—
Total.....	581,588	557,681	23,907	4.3

The total revenue collected by the Service during the year amounted to \$362,243, and the total expenses, including salaries, totalled \$317,665.

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 416,009 electricity and gas meters tested in the fiscal year ended Mar. 31, 1928, as compared with 392,493 in the preceding year. The total revenue derived from electricity and gas inspection was \$275,297, as compared with an expenditure of \$199,028. The Branch also collected \$374,351 as export duty and license fees under the provisions of the Electricity and Fluid Exportation Act; the cost of collecting this revenue was only \$440.

Statistics collected as a by-product of the administration of the last-named Act will be found on p. 386, 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 thirteen years from 505,597 to 1,412,521 (Table 25), the lesser increase in the gas meters in use from 267,454 in 1916 to 581,348 in 1928 (Table 26), and the number of cubic feet of gas sold in Canada from 1920 to 1928, classified as carburated water gas, coal gas, coke oven gas, natural gas and acetylene gas (Table 27).