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### THE ELECTRICAL APPARATUS AND SUPPLIES INDUSTRY IN CANADA, 1928.

Production from the electrical apparatus and supplies industry in Canada was valued at \$93,672,452 in 1928, according to a statement published by the Dominion Bureau of Statistics at Ottawa. This figure was the highest total ever reported for the industry and was 19 per cent over the value of \$78,558,730 for the previous year. Substantial increases in the output of electrical supplies have been made during recent years. In 1924 reports showed a gain of \$5 millions over the preceding year; in 1925 a further advance of \$4 millions was reported; gains of \$9 millions in 1926 and nearly \$9 millions in 1927 were noted; and production advanced more than \$15 millions in 1928.

Of the 137 firms reporting in this industry 104 were located in Ontario, 17 in Quebec, 6 in Manitoba, 6 in British Columbia, 3 in Alberta and 1 in New Brunswick. These concerns reported fixed and working capital at \$87,952,674 and afforded employment to a monthly average of 18,193 people. Salaries and wages amounted to \$22,756,209. Purchased materials cost \$38,784,421 at the works and the value added by manufacturing processes was \$54,888,031.

Products of this industry included wire and cable, \$17,757,032; radio apparatus, \$8,894,406; batteries and parts, \$8,189,573; transformers, \$7,706,582; telephone material, \$7,162,409; electric motors and parts, \$5,632,460; incandescent lamps, \$5,137,051; generators, \$5,041,993; light and power switchboards, \$2,955,697; switches of all kinds, \$2,495,968; electric vacuum cleaners, \$2,428,230; cooking and heating apparatus, \$2,236,874; pneumatic tools and parts, \$2,046,074; lighting fixtures, \$1,632,275; meters, \$1,566,287; conduit and moulding, \$1,244,126; controllers, etc., \$1,045,647; and many other articles of smaller total value such as spark plugs, electric refrigerators, fuses, panel boards and cabinets and lightning arresters.

Table 1.— PRINCIPAL STATISTICS OF THE ELECTRICAL APPARATUS AND SUPPLIES INDUSTRY IN CANADA, 1924-1928.

Year	No. of plants	Capital employed	Average	Salaries and wages	Cost of materials at works	Selling value of products at works	Value added by manufacturing
			no. of employees			\$	
1924	109	72,301,204	13,670	16,089,492	24,370,996	56,490,465	32,119,469
1925	122	75,375,623	14,112	16,472,357	25,434,836	60,158,837	34,724,001
1926	132	80,323,534	15,246	18,626,500	30,195,935	69,767,308	39,571,373
1927	130	80,475,999	16,813	20,613,592	32,734,875	78,558,730	45,823,855
1928	137	87,952,674	18,193	22,756,209	38,784,421	93,672,452	54,888,031



Table 2.- PRODUCTS OF THE ELECTRICAL APPARATUS AND SUPPLIES INDUSTRY IN CANADA, 1927  
and 1928.

Product	1927		1928	
	Number	Selling value at works	Number	Selling value at works
Annunciators, bells, clocks, etc.....	...	39,291	...	57,269
Batteries(1) - Storage.....	441,807	4,280,896	589,337	4,540,981
Dry cell.....	31,451,311	3,315,692	33,585,301	3,437,410
Parts and supplies...	...	125,423	...	161,179
Carbon products.....	...	126,631	...	152,269
Conduit and moulding, interior and fittings.....	...	1,249,636	...	1,244,126
Controllers, rheostats, auto-starters, etc.....	...	580,820	...	1,015,647
Cooking and heating apparatus -				
Flat irons.....	172,992	365,419	219,082	319,484
Hot plates and grills.....	50,114	277,904	52,401	245,524
Percolators.....	4,461	12,423	...	11,873
Stoves and ranges.....	5,948	573,370	22,577	843,596
Toasters.....	44,754	81,517	94,980	273,756
Water and air heaters.....	34,104	419,012	45,960	371,126
Unspecified.....	...	57,923	...	144,228
Electro-metallurgical muffles and furnaces, etc.....	...	64,566	...	243,128
Floor polishers.....	643	16,260	480	14,328
Fuses and fuse wire.....	...	269,801	...	438,208
Generators - A.C.....	170	2,033,530	77	4,762,889
D.C.....	226	150,279	113	279,103
Ignition apparatus.....	...	757,185	...	963,867
Incandescent lamps and parts.....	19,163,538	4,620,431	25,051,544	5,137,051
Lightning fixtures.....	...	1,450,584	...	1,632,275
Lightning arresters.....	...	161,712	...	225,792
Line materials of all kinds.....	...	146,100	...	209,271
Motors - A.C.....	40,855	4,500,183	80,345	4,246,964
Parts & supplies for same..	...	202,912	...	186,375
D.C.....	794	685,996	1,253	1,052,079
Parts & Supplies for same..	...	150,206	...	147,042
Meters, wat. hour, ammeters, etc., service type, including accessories	103,566	1,185,433	...	1,566,287
Panel boards and cabinets.....	...	482,969	...	737,137
Pneumatic tools and parts.....	...	1,898,426	...	2,016,074
(1) Radio (excluding batteries).....	...	6,081,067	...	8,894,406
Rectifiers for battery charging.....	...	184,481	...	108,508
Refrigerators, electric.....	1,590	227,103	2,818	740,254
Sockets, rosettes, cutouts, etc.....	...	945,234	...	745,059
Switchboards, light and power.....	...	3,285,927	...	2,958,697
Switches of all kinds.....	...	1,961,397	...	2,495,968
Telephone materials(excluding line material).....	...	7,925,977	...	7,162,409
Transformers - Power and service types 50 k.w. and over	1,420	4,811,021	2,077	5,581,266
Power and service types under 50 k.w....	11,705	1,343,131	13,161	1,863,034
All other types.....	...	324,313	...	262,282
Vacuum cleaners.....	57,901	1,914,911	68,350	2,428,230
Welding apparatus.....	...	71,300	...	105,080
Wires and cables -				
Copper, bare.....	...	3,990,543	...	4,497,766
Copper, insulated.....	...	9,902,342	...	13,050,540
Other, including aluminium wire and steel armoured cable.....	...	198,191	...	1,208,726
Wiring material, n.e.s.....	...	369,984	...	205,161
Any other apparatus or supplies,n.e.s.	...	1,990,656	...	2,022,249
Any repair parts, n.e.s and repairs	...	961,199	...	126,081
Products of 1 or 2 firms (2).....	...	1,789,448	...	8,124,355
TOTAL.....	...	76,558,730	...	93,672,452

(x) Production figures are for the electrical supplies industry only and do not necessarily represent the total output in Canada of the commodities listed; there may be also a small production in other industrial groups.

(1) Refer to special bulletins on batteries and radio apparatus.

(2) Includes motor generator sets, electric fans, phonograph motor parts, fire alarm apparatus, vacuum cleaner parts, steel wire rope, scrap, etc.

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