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ANNUAL INDUSTRY REPORT

MANUFACTURES OF THE NON-FERROUS METALS GROUP

THE ALUMINIUM PRODUCTS INDUSTRY, 1939

As reviewed in this report the Aluminium Products Industry covers only the operations of factories which were occupied chiefly in casting, rolling or fabricating aluminium to make bars, rods, sheets, wire, cable, foil, cooking utensils, etc. It does not include the two aluminium smelters, one at Arvida, Quebec, and one at Shawinigan Falls, Quebec, as these works have been classified to the Non-Ferrous Smelting and Refining Industry which is reviewed in a separate pamphlet. Nor does it include the aluminium castings, cable, utensils, etc., which were made as secondary or minor products of brass and iron foundries or other manufacturing establishments.

Twenty-three factories were classified to this industry in 1939, including 2 rolling mills. Of the remaining plants, 7 engaged chiefly in the manufacture of kitchen utensils and hollowware, 3 made stampings and spinings, 2 made hat dies and blocks, 2 made hair curlers, and the following lines were each the principal product of 1 plant: die castings, boot and shoe lasts, thermit welding portions, bottle caps and seals, window accessories, wallboard moulding and aluminium foil.

Capital employed by these concerns amounted to \$6,761,669, employees numbered 1,570, salaries and wages totalled \$1,742,420, materials used in manufacturing processes cost \$4,562,803 and their production was valued at \$7,178,334. This value was 4 per cent over the \$6,924,088 of 1938.

Output of aluminium cooking utensils in this industry was valued at \$1,483,154 in 1939, but in addition, concerns in other industries made aluminiumware worth \$183,562, bringing the total for Canada to \$1,666,716. In 1938 the total was reported at \$1,529,280 and in 1937 at \$1,534,199.

Table 1 - PRINCIPAL STATISTICS OF THE ALUMINIUM PRODUCTS INDUSTRY, 1931 - 1939

Year	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
		\$		\$	\$	\$	\$
1931 ...	14	4,540,834	793	923,546	79,364	2,066,851	3,597,764
1932 ...	14	3,906,196	661	678,400	66,628	1,375,902	2,703,212
1933 ...	15	3,654,541	638	671,267	77,615	1,458,444	2,778,274
1934 ...	16	3,759,900	789	826,597	104,115	2,115,100	3,745,433
1935 ...	19	3,791,756	998	1,089,487	128,653	3,258,310	4,992,640
1936 ...	19	3,884,241	1,101	1,194,999	119,320	3,799,688	5,438,281
1937 ...	18	4,630,491	1,345	1,535,112	140,180	4,525,571	7,156,243
1938 ...	19	4,798,855	1,372	1,619,082	136,690	4,078,112	6,924,088
1939 ...	23	6,761,669	1,570	1,742,420	160,946	4,562,803	7,178,334

FOOTNOTE to TABLE 1 - Profits or losses cannot be calculated from above figures as data are not available for general expense items such as interest, rent, depreciation, taxes, insurance, advertising, etc.

Table 2 - CAPITAL EMPLOYED, 1938 and 1939

Capital employed - as represented by:	1938	1939
	\$	\$
Present value of lands, buildings, machinery and other equipment	2,324,313	3,377,641
Inventory value of materials, finished products, fuel and other supplies on hand, and stocks in process	938,674	1,683,559
Operating capital (cash, bills and accounts receivable, prepaid expenses, etc.)	1,535,868	1,700,469
TOTAL	4,798,855	6,761,669

Table 3 - EMPLOYEES, SALARIES AND WAGES, 1938 and 1939

	1938	1939
Salaried Employees		
Male	159	182
Female	58	74
Total	217	256
Wage earners		
Male	1,045	1,191
Female	110	123
Total	1,155	1,314
TOTAL EMPLOYEES ..	1,372	1,570
Salaries	\$ 385,278	\$ 413,329
Wages	\$ 1,233,840	\$ 1,329,091
TOTAL SALARIES AND WAGES	\$ 1,619,082	\$ 1,742,420

Table 4 - SIZE OF ESTABLISHMENTS ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES and CAPITAL EMPLOYED, 1939

	Number of plants	Capital employed	Number of employees	Selling value of products at works
		\$		\$
(a) PRODUCTION				
Under \$25,000	9	108,579	50	120,967
\$25,001 to \$100,000	5	185,952	62	236,320
Over \$100,000	9	6,467,138	1,458	6,821,047
Total	23	6,761,669	1,570	7,178,334
(b) NUMBER OF EMPLOYEES				
Under 10	9	150,002	31	99,145
10 and over	14	6,611,667	1,539	7,079,189
Total	23	6,761,669	1,570	7,178,334
(c) CAPITAL EMPLOYED				
Under \$25,000	9	108,579	50	120,967
\$25,001 to \$100,000	6	280,609	112	393,464
Over \$100,000	8	6,372,481	1,408	6,663,903
Total	23	6,761,669	1,570	7,178,334

Table 5 - WAGE-EARNERS, BY MONTHS, 1938 and 1939 (On the last day of each month)

Month	1	9	3	8	1	9	3	9
	Male	Female	TOTAL		Male	Female	TOTAL	
January	1,161	116	1,277		1,016	109	1,125	
February	1,127	113	1,240		1,002	109	1,111	
March	1,053	114	1,167		988	115	1,103	
April	1,043	115	1,158		1,032	120	1,152	
May	984	111	1,095		1,049	112	1,161	
June	1,000	117	1,117		1,096	115	1,211	
July	1,015	112	1,027		1,146	123	1,269	
August	1,034	104	1,138		1,154	123	1,277	
September	1,048	123	1,171		1,236	128	1,364	
October	1,042	104	1,146		1,234	137	1,371	
November	1,009	101	1,110		1,231	148	1,379	
December	1,019	92	1,111		1,233	144	1,377	
AVERAGE	1,045	110	1,155		1,191	123	1,314	

Table 6 - HOURS WORKED PER WEEK BY WAGE-EARNERS, 1938 and 1939

Hours per week	Per cent of wage-earners		Hours per week	Per cent of wage-earners	
	1938	1939		1938	1939
30 hours or less ...	2.6	2.3	49 - 50 hours	5.7	6.3
31 - 43 hours	13.2	6.6	51 - 54 hours	1.4	1.5
44 hours	26.1	19.3	55 hours	2.6	3.8
45 - 47 hours	13.5	12.6	56 - 64 hours	0.5	1.0
48 hours	34.0	46.3	65 hours or over ...	0.4	0.3

Table 7 - FUEL AND ELECTRICITY USED, 1938 and 1939

Kind	Unit of measure	1	9	3	8	1	9	3	9
		Quantity		Cost at works		Quantity		Cost at works	
				\$				\$	
Bituminous coal - Canadian	short ton	40		327		59		587	
Imported	short ton	2,183		13,178		3,024		19,891	
Anthracite coal	short ton	26		348		9		122	
Coke	short ton	2,559		20,440		2,616		21,640	
Gasoline	Imp. gal.	2,419		643		2,887		713	
Kerosene	Imp. gal.	3,470		634		4,875		731	
Fuel oil	Imp. gal.	120,028		9,433		163,541		10,477	
Gas - Manufactured	M cu. ft.	9,681		8,171		10,118		8,625	
Natural	M cu. ft.	4,651		2,619		5,717		3,181	
Wood	cord	2		20		2		20	
Electricity purchased	K. W. H.	13,957,249		80,877		15,274,375		94,959	
TOTAL .....	\$	...		136,690		...		160,946	

Table 8 - POWER EQUIPMENT, 1938 and 1939

	1	9	3	8	1	9	3	9
	Number of units		Total rated horse power		Number of units		Total rated horse power	
Steam engines and turbines .....	...		...		...		...
Total Primary Equipment .....	...		...		...		...
Electric motors run by purchased power	465		7,257		595		8,086	
TOTAL	465		7,257		595		8,086	
Stationary boilers	6		660		9		985	

Table 9 - MATERIALS USED IN MANUFACTURING, 1938 and 1939

Materials	1	9	3	8	1	9	3	9
	Short		Cost at		Short		Cost at	
	tons		works		tons		works	
			\$				\$	
Aluminium ingots, sheets, circles, etc. ..	10,295		3,741,609		10,222		4,070,400	
Handles, trimmings, etc. ....	...		122,545		...		132,438	
All other materials .....	...		213,958		...		359,965	
TOTAL .....	...		4,078,112		...		4,562,803	

Table 10 - PRODUCTS MADE, 1937, 1938 and 1939

Products	1	9	3	7	1	9	3	8	1	9	3	9
				\$				\$				\$
Cooking utensils (a)	1,337,216				1,361,185				1,483,154			
All other products (b)	5,819,027				5,562,903				5,695,180			
TOTAL	7,156,243				6,924,088				7,178,334			

(a) In addition to the above output, aluminium cooking utensils valued at \$183,562 in 1939, \$168,095 in 1938 and \$196,983 in 1937 were made as minor products by concerns in other industrial groups.

(b) Includes aluminium wire, cable, rods, bars, sheets, castings, hat dies and boot and shoe lasts; also plaster hat blocks, electric space heaters and zinc die castings. Figures for these commodities cannot be shown separately as in each case there were only one or two producers in this industry.

Table 11 - TOTAL PRODUCTION OF ALUMINIUM HOLLOW-WARE AND KITCHENWARE IN CANADA, 1925 - 1939

NOTE - This table shows total production in Canada regardless of the industry in which produced.

Year	Selling value at works	Year	Selling value at works
	\$		\$
1925	1,056,920	1933	969,948
1926	1,028,261	1934	1,173,877
1927	1,571,269	1935	1,328,527
1928	1,457,679	1936	1,327,141
1929	1,303,010	1937	1,534,199
1930	1,671,984	1938	1,529,280
1931	1,303,108	1939	1,666,716
1932	1,042,438		

Table 12 - EXPORTS FROM CANADA OF MANUFACTURES OF ALUMINIUM, BY COUNTRIES OF DESTINATION - (Calendar Years 1938 and 1939)

Country of Destination	1	9	3	8	1	9	3	9
	Aluminium kitchenware and hollowware		Manufactures of aluminium, n.o.p.		Aluminium kitchenware and hollowware		Manufactures of aluminium, n.o.p.	
	\$		\$		\$		\$	
Argentina .....	...		11,174		...		1,050	
Australia .....	...		5,813		...		7,495	
Bolivia .....	...		9,589		...		183	
Brazil .....	...		91,013		...		863	
British India .....	...		2,243		...		3,081	
Chile .....	...		2,486		...		313	
China .....	...		3,076		...		980	
Colombia .....	...		10,812		...		4,093	
Cuba .....	...		566		...		...
Dutch East Indies ....	...		31,119		...		5,499	
Mexico .....	...		5,349		...		1,757	
New Zealand	1,042		62,243		...		19,785	
Newfoundland	3,339		2,850		4,192		2,850	
Peru	367		977		...		...
Portugal .....	...		1,429		...		536	
Sweden .....	...		16,301		...		7,548	
United Kingdom	13,468		55,280		4,980		91,256	
United States	240		48,345		26		61,707	
Venezuela .....	...		22,057		...		2,373	
Other countries	4,320		9,298		3,640		12,455	
TOTAL	22,776		392,020		12,838		223,824	

NOTE: The letters "n.o.p." mean "Not otherwise provided for" in the trade classification. This item does not include ingots, bars, blocks, scrap, etc., which are listed separately in the trade report.

DIRECTORY OF FIRMS INCLUDED IN THE ALUMINIUM PRODUCTS INDUSTRY IN CANADA, 1939

<u>Name of Firm</u>	<u>Location of Plants</u>	<u>Products reported 1939</u>
<u>QUEBEC -</u>		
Aluminium Company of Canada Limited	Shawinigan Falls	Aluminium rods, bars, wire, cable and cable fittings, moulding and tubing.
Aluminium Moderne Enrg.	11245 Victoria St., Montreal East	Aluminium cooking utensils.
Brasloff, Jack	699 St. James St. W., Montreal	Metal hat blocks and dies.
International Foils Ltd.	300 St. Laurent St., Cap de la Madeleine	Aluminium foil.
Produits Perfection	6538 Christophe Colomb Montreal	Aluminium window dressings.
Solo Products Ltd.	1224 St. Catherine St. W., Montreal	Aluminium hair accessories.



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DIRECTORY OF FIRMS INCLUDED IN THE ALUMINIUM PRODUCTS INDUSTRY IN CANADA, 1939
(Concluded)

<u>Name of Firm</u>	<u>Location of Plants</u>	<u>Products reported 1939</u>
<u>ONTARIO -</u>		
Aluminum Company of Canada Limited	158 Sterling Road, Toronto	Aluminium ingots, sheets, bars, rods, castings, foil, wire, rivets, seals, screw machine products, cable accessories, etc.
Aluminium Goods Limited	158 Sterling Road, Toronto	Aluminium cooking utensils and bottle caps and seals, machine parts.
Aluminium Ware Mfg. Co. Ltd.	20 Dundas St., Oakville	Aluminium cooking utensils and stamp- ings.
Canadian Die Casters	Beverly St., Galt	Aluminium and brass die castings.
Clark, Geo. C., Metal Last Co. Inc.	1889 Sandwich St., Windsor	Aluminium boot and shoe lasts.
Duro Aluminium Limited	80 Park St. N., Hamilton	Aluminium cooking utensils.
Hamilton Aluminum Ware Co.	13 Ferguson Ave. N., Hamilton	Aluminium cooking utensils.
Hudson Aluminum Ware	370 Dufferin St., Toronto	Aluminium spinnings and stampings.
Metal Stampings, Limited	435 Fleet St. W., Toronto	Aluminium cooking utensils, electric space heaters.
Metal & Thermit Corporation	15 Emily St., Toronto	Rail welding portions, forging thermit.
Modern Moulding & Metal Craft Co. Ltd.	2466 Dundas St. W., Toronto	Aluminium wall board mouldings.
Oakville Machine Works	Randall St., Oakville	Aluminium and steel stampings.
Shaw, H. G.	24 Mercer St., Toronto	Aluminium hat dies and wood hat blocks.
Soren Mfg. Co.	11 Brant St., Toronto	Aluminium cooking utensils.
Sterling Aluminum Co. Limited	2466 Dundas St. W., Toronto	Aluminium cooking utensils.
Super Health Aluminum Co. Ltd.	107 McGill St., Toronto	Aluminium cooking utensils, aluminium castings and spin- nings.
Wintrob, M., & Sons, Ltd.	30 Duncan St., Toronto	Aluminium hair curl- ers and wave-clips, novelty jewellery.