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Published by Authority of the HON. W. D. EULER, M.P.
Minister of Trade and Commerce.

DOMINION BUREAU OF STATISTICS
15-15-9-38

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OTTAWA - CANADA

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ANNUAL INDUSTRY REPORT

MANUFACTURES OF THE NON-FERROUS METALS GROUP

THE ALUMINIUM PRODUCTS INDUSTRY, 1937.

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, commercial castings, boot and shoe lasts, 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.

Eighteen factories were classified to this industry in 1937, including 2 rolling mills, 8 establishments engaged chiefly in making cooking utensils, 2 in making hat dies, 1 in making boot and shoe lasts, 1 in making die castings, 1 in making thermit rail welding materials, 2 in making miscellaneous stampings and spinings, and 1 in making aluminium curlers and wave clips. Capital employed by these concerns amounted to \$4,630,491, employees numbered 1,345, salaries and wages totalled \$1,535,112, materials for manufacturing cost \$4,525,571, and production was valued at \$7,156,243. The output value was 32 per cent greater than in 1936.

Output of aluminium cooking utensils in this industry was valued at \$1,337,216 in 1937 but, in addition, concerns in other industries made aluminium-ware worth \$196,983, bringing the total for Canada to \$1,534,199 compared with \$1,327,141 in 1936 and \$1,328,527 in 1935.

Table 1 - PRINCIPAL STATISTICS OF THE ALUMINIUM PRODUCTS INDUSTRY, 1931 - 1937.

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	3,745,453
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

Table 2 - CAPITAL EMPLOYED, 1936 and 1937.

Capital employed - as represented by:	1936	1937
	\$	\$
Present value of lands, buildings, machinery and other equipment	2,243,634	2,244,466
Inventory value of materials, finished products, fuel and other supplies on hand, and stocks in process	831,300	991,147
Operating capital (cash, bills and accounts receivable, prepaid expenses, etc.)	809,307	1,394,878
TOTAL	3,884,241	4,630,491

Table 3 - EMPLOYEES, SALARIES AND WAGES, 1936 and 1937.

	1936	1937
Salaried Employees		
Male	150	138
Female	42	55
Total	192	193
Wage-earners		
Male	812	1,022
Female	97	130
Total	909	1,152
TOTAL EMPLOYEES	1,101	1,345
Salaries	\$ 347,744	\$ 335,984
Wages	\$ 847,255	\$ 1,199,128
TOTAL SALARIES and WAGES	\$ 1,194,999	\$ 1,535,112

Table 4 - SIZE OF ESTABLISHMENTS ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES and CAPITAL EMPLOYED, 1937.

	Number of plants	Capital employed	Number of employees	Selling value of products at works
		\$		\$
(a) PRODUCTION				
Under \$25,000	7	128,386	27	74,636
\$25,001 to \$100,000	3	101,257	50	176,267
Over \$100,000	8	4,400,848	1,268	6,905,340
Total	18	4,630,491	1,345	7,156,243
(b) NUMBER OF EMPLOYEES				
Under 10	7	128,386	27	74,636
10 and over	11	4,502,105	1,318	7,081,607
Total	18	4,630,491	1,345	7,156,243
(c) CAPITAL EMPLOYED				
Under \$25,000	6	69,503	30	73,562
\$25,001 to \$100,000	5	214,411	94	306,493
Over \$100,000	7	4,346,577	1,221	6,776,184
Total	18	4,630,491	1,345	7,156,243

Table 5 - WAGE-EARNERS, BY MONTHS, 1936 and 1937. (On the 15th of each month).

Month	1936			1937		
	Male	Female	TOTAL	Male	Female	TOTAL
January	749	80	829	906	110	1,016
February	720	87	807	914	118	1,032
March	693	92	785	921	121	1,042
April	723	95	818	975	125	1,100
May	751	93	844	976	124	1,100
June	868	93	961	985	134	1,119
July	930	93	1,023	1,063	140	1,203
August	854	104	958	1,072	139	1,211
September	825	108	933	1,075	140	1,215
October	821	108	929	1,112	136	1,248
November	913	107	1,020	1,140	135	1,275
December	890	96	986	1,128	128	1,256
AVERAGE	812	97	909	1,022	130	1,152

Table 6 - REGULAR HOURS WORKED PER WEEK BY WAGE-EARNERS, 1936 and 1937. (Based on period of highest employment)

Regular hours worked per week	Per cent of wage-earners		Regular hours worked per week	Per cent of wage-earners	
	1936	1937		1936	1937
40 hours or less ...	7.8	2.8	54 hours	0.2	...
41 - 43 hours	1.0	0.1	55 hours	2.9	7.4
44 hours	19.3	18.9	56 - 59 hours	0.3	...
45 - 47 hours	6.5	12.2	60 hours and over ..	0.5	0.5
48 hours	56.0	45.1			
49 - 50 hours	5.5	13.2			

Table 7 - FUEL AND ELECTRICITY USED, 1936 and 1937.

Kind	Unit of measure	1 9 3 6		1 9 3 7	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Bituminous coal - Canadian	short ton	83	724	61	579
Imported	short ton	2,230	13,219	2,107	12,566
Anthracite coal	short ton	1	7	3	45
Coke	short ton	2,717	20,682	2,798	25,220
Gasoline	Imp. gal.	653	199	3,435	835
Kerosene	Imp. gal.	1,869	354	2,066	404
Fuel oil	Imp. gal.	113,446	9,263	120,722	9,785
Gas - Manufactured	M cu. ft.	8,734	7,421	10,077	8,876
Natural	M cu. ft.	872	506	8,903	4,828
Wood	cord	6	53	5	51
Other fuel .....	\$	...	12	...	...
Electricity	K. W. H.	11,083,653	66,880	10,463,792	76,991
TOTAL .....	\$	...	119,320	...	140,180

Table 8 - POWER EQUIPMENT, 1936 and 1937.

	1 9 3 6		1 9 3 7	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and turbines	1	10	...	...
Total Primary Equipment	1	10	...	...
Electric motors run by purchased power	355	6,434	337	6,565
TOTAL	356	6,444	337	6,565
Boilers	5	650	4	525

Table 9 - MATERIALS USED IN MANUFACTURING, 1936 and 1937.

Materials	1 9 3 6		1 9 3 7	
	Short tons	Cost at works \$	Short tons	Cost at works \$
Aluminium ingots, sheets, circles, etc. ..	9,343	3,559,403	10,830	4,118,972
Handles, trimmings, etc. ....	...	74,419	...	123,658
All other materials .....	...	165,866	...	282,941
TOTAL .....	...	3,799,688	...	4,525,571

Table 10 - PRODUCTS MADE, 1935, 1936 and 1937.

Products	1 9 3 5	1 9 3 6	1 9 3 7
	\$	\$	\$
Cooking utensils (a)	1,146,808	1,143,692	1,337,216
All other products (b)	3,845,832	4,294,589	5,819,027
TOTAL	4,992,640	5,438,281	7,156,243

(a) In addition to the above output, aluminium cooking utensils valued at \$196,983 in 1937, \$183,449 in 1936, and \$81,719 in 1935 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 - 1937.

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	1932	1,042,438
1926	1,028,261	1933	969,948
1927	1,571,269	1934	1,173,377
1928	1,457,679	1935	1,328,527
1929	1,303,010	1936	1,327,141
1930	1,671,984	1937	1,534,199
1931	1,303,108		

Table 12 - EXPORTS FROM CANADA OF MANUFACTURES OF ALUMINIUM, BY COUNTRIES OF DESTINATION.
(Calendar Years 1936 and 1937)

Country of Destination	1 9 3 6	:	1 9 3 7	
	Aluminium kitchenware and hollowware	Manufactures of aluminium, n.o.p.	Aluminium kitchenware and hollowware	Manufactures of aluminium, n.o.p.
	\$	\$	\$	\$
Argentina .....	...	5,061	...	12,090
Australia	67	30,083	15	20,003
Bolivia .....	...	51,542	...	6,242
Brazil	440	1,243	...	4,021
British India .....	...	36,277	...	158,926
Chile .....	...	29,852	...	13,239
China .....	...	3,149	...	32,317
Cuba .....	...	8,509	...	2,654
Mexico .....	...	3,058	...	10,369
New Zealand	145	16,218	129	46,216
Peru	9,909	926	1,042	4,925
Portugal .....	...	14,382	...	16,164
Spain .....	...	174	...	...
United Kingdom	5,889	98,017	14,475	107,842
United States	38	37,301	112	76,752
Venezuela .....	...	28,719	...	32,425
Other countries	3,740	19,250	6,007	88,973
TOTAL	20,228	363,761	21,780	633,208

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, 1937.

<u>Name of Firm</u>	<u>Location of Plants</u>	<u>Products reported 1937</u>
<u>QUEBEC -</u>		
Aluminum Company of Canada Limited	Shawinigan Falls	Aluminium rods, bars, wire, cable and cable fittings.
Aluminium Moderne Enrg.	11245 Victoria St., Montreal East	Aluminium cooking utensils.
Brasloff, Jack	669 St. James St. W., Montreal	Metal hat blocks and dies.
<u>ONTARIO -</u>		
Aluminum Company of Canada Limited	158 Sterling Road, Toronto	Aluminium sheets, castings, foil, rivets, seals, screw machine products, cable accessories, etc.
Aluminium Goods Limited	158 Sterling Road, Toronto	Aluminium cooking utensils, aluminium scrap.
Aluminium Ware Mfg. Co. Ltd.	20 Dundas St., Oakville	Aluminium cooking utensils.
Canadian Die Casters	Beverly St., Galt	Aluminium and brass die castings.
Clark, Geo. C., Metal Last Co.	1839 Sandwich St., Windsor	Aluminium boot and shoe lasts.
Duro Aluminium Limited	80 Park St. N., Hamilton	Aluminium cooking utensils, aluminium scrap.
Hamilton Aluminum Ware Co.	13 Ferguson Ave. N., Hamilton	Aluminium cooking utensils.
Hudson Aluminum Ware	370 Dufferin St., Toronto	Aluminium spinnings.
Metal Stampings, Limited	435 Fleet St., Toronto	Aluminium cooking utensils, electric space heaters.
Metal & Thermit Corporation	15 Emily St., Toronto	Rail welding portions, forging thermit.
Oakville Machine Works	Randall St., Oakville	Aluminium stampings.
Shaw, H. G.	24 Mercer St., Toronto	Aluminium hat dies and wood hat blocks.
Sterling Aluminum Co. Limited	2466 Dundas St. W.	Aluminium cooking utensils.
Super Health Aluminium Co. Ltd.	107 McGill St., Toronto	Aluminium cooking utensils, aluminium castings.
Wintrob, M., & Sons, Ltd.	20 Duncan St., Toronto	Aluminium and steel hair curlers and wave-clips, novelty jewellery.



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