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Dominion Statistician: R. H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.)
Chief - Mining, Metallurgical and Chemical Branch: W. H. Losee, B.Sc.

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MANUFACTURES OF THE NON-FERROUS METALS

THE ALUMINIUM PRODUCTS INDUSTRY, 1933.

The aluminium products industry for which statistics are given in this bulletin includes the factories in Canada which were engaged chiefly in making aluminium articles such as kitchen utensils, etc. The large aluminium smelters at Arvida, P.Q., and Shawinigan Falls, P.Q., are not included in this group as these works have been classified to the Non-Ferrous Smelting and Refining Industry which is reviewed in a separate bulletin. In connection with the smelter at Shawinigan Falls there is a large fabricating mill in which wire and other such products are manufactured but all information for this department has been included in the general report for the smelter at that point. Therefore the data given in this bulletin are incomplete to the extent that they do not cover the manufacture of aluminium products at Shawinigan Falls. Aluminium castings were made also in brass and iron foundries, but as the casting of aluminium was only a small part of their business such works were necessarily classified to the brass and iron industries.

Production from this industry in 1933 was valued at \$2,778,274, an increase of about 3 per cent over the 1932 total of \$2,703,212. Fifteen plants were in operation and 9 of these were engaged chiefly in the manufacture of cooking utensils and hollow-ware. Capital employed by these concerns amounted to \$3,654,541 of which \$1,891,039 was the value of lands, buildings and equipment. The number of employees was 638 and payments in salaries and wages to these workers totalled \$671,267. Materials used in manufacturing, chiefly aluminium sheets and circles, cost \$1,458,444 delivered at the works.

Nine plants in this industry manufactured aluminium kitchenware, 1 made miscellaneous fabricated products, 1 made parts for washing machines, automobiles, etc., 1 made thermit and rail welding portions, 2 made dies and hat blocks and 1 made boot and shoe lasts.

The production of aluminium kitchenware in this industry was valued at \$831,274 in 1933 but, in addition, concerns in other industries made aluminium kitchenware worth \$138,674, bringing the total for Canada to \$969,948.

Table 1 - PRINCIPAL STATISTICS OF THE ALUMINIUM PRODUCTS INDUSTRY IN CANADA, 1928-1933.

Years	No. of plants	Capital employed	Average number of em- ployees	Salaries and wages	Cost of materials at works	Selling value of products at works	Value added by manu- facturing
		\$		\$	\$	\$	\$
1928 ...	14	5,094,213	609	805,393	1,865,328	3,192,696	1,327,368
1929 ...	14	5,264,388	723	930,216	2,754,726	4,263,801	1,509,075
1930 ...	14	5,217,665	808	1,065,195	2,184,658	4,343,436	2,158,778
1931 ...	14	4,540,834	793	923,546	2,066,851	3,597,764	1,530,913
1932 ...	14	3,906,196	661	678,400	1,375,902	2,703,212	1,327,310
1933 ...	15	3,654,541	638	671,267	1,458,444	2,778,274	1,319,830

Table 2 - CAPITAL EMPLOYED, 1932 and 1933.

Capital employed as represented by:	1932	1933
	\$	\$
Present value of lands, buildings, machinery and other equipment	2,110,965	1,891,039
Inventory value of materials on hand, stocks in process, fuel and other supplies on hand	438,992	386,382
Inventory value of finished products on hand	992,519	931,832
Operating capital (cash, bills and accounts receivable, prepaid expenses, etc.)	363,720	445,288
TOTAL	3,906,196	3,654,541

Table 3 - EMPLOYEES, SALARIES AND WAGES, 1932 and 1933.

	1932	1933
Salaried Employees - Male	122	107
Female	44	35
Total	166	142
Wage-earners - Male	430	441
Female	65	55
Total	495	496
TOTAL EMPLOYEES	661	638
Salaries	\$ 245,785	\$ 223,302
Wages	\$ 432,615	\$ 447,965
TOTAL SALARIES AND WAGES	\$ 678,400	\$ 671,267

Table 4 - SIZE OF ESTABLISHMENTS ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES AND CAPITAL EMPLOYED, 1933.

	Number of plants	Capital employed	Number of employees	Selling value of products at works
(a) Production		\$		\$
Under \$25,000	6	118,225	29	96,407
\$25,001 to \$100,000	4	185,777	71	183,799
Over \$100,000	5	3,350,539	538	2,498,068
Total	15	3,654,541	638	2,778,274

Table 4 - SIZE OF ESTABLISHMENTS ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES AND CAPITAL EMPLOYED, 1933. (concluded)

	Number of plants	Capital employed \$	Number of employees	Selling value of products at works \$
(b) Number of employees				
Under 10	7	144,685	36	124,400
10 and over	8	3,509,856	602	2,653,874
Total	15	3,654,541	638	2,778,274
(c) Capital employed				
Under \$25,000	5	62,915	48	119,830
\$25,001 to \$100,000	5	241,987	52	160,376
Over \$100,000	5	3,350,539	538	2,498,068
Total	15	3,654,541	638	2,778,274

Table 5 - WAGE-EARNERS, BY MONTHS, 1932 and 1933.

Months	1	9	3	2	1	9	3	3
	Male	Female	TOTAL	Male	Female	TOTAL	Male	Female
January	459	61	520	394	49	443		
February	458	60	518	404	53	457		
March	456	59	515	424	52	476		
April	445	56	501	425	52	477		
May	439	65	504	414	55	469		
June	417	64	481	416	55	471		
July	405	52	457	423	50	473		
August	388	60	448	464	59	523		
September	401	57	458	465	66	531		
October	428	80	508	471	76	547		
November	454	80	534	496	75	571		
December	419	76	495	503	58	561		
AVERAGE	430	65	495	441	55	496		

Table 6 - FUEL AND ELECTRICITY USED, 1932 and 1933.

Kinds	Unit of measure	1	9	3	2	1	9	3	3
		Quantity		Value		Quantity		Value	
Bituminous coal - Canadian ..	short ton		33		338		36		404
Imported ..	short ton		1,659		9,300		1,814		10,045
Coke	short ton		1,098		8,138		1,326		10,026
Gasoline	Imp. gal.		180		45		...		...
Kerosene	Imp. gal.		180		32		250		53
Fuel oil	Imp. gal.		69,781		4,743		111,782		8,283
Gas - Manufactured	M cu.ft.		3,986		3,885		4,989		4,819
Natural	M cu.ft.		74		51		...		...
Other fuel	xxx		...		17		...		44
Electricity	K.W.H.		4,499,636		40,079		5,327,148		43,941
TOTAL	xxx		...		66,628		...		77,615

Table 7 - POWER EQUIPMENT, 1932 and 1933.

Kinds	1	9	3	2	1	9	3	3
	Number of units		Total rated horse power		Number of units		Total rated horse power	
Total primary power .....	...		...		...		...
Electric motors run by purchased power	198		2,936		195		2,857	
TOTAL	198		2,936		195		2,857	
Boilers	4		403		4		403	

Table 8 - MATERIALS USED, 1932 and 1933.

Materials	1	9	3	2	1	9	3	3
	Pounds		Cost at works		Pounds		Cost at works	
			\$				\$	
Aluminium sheets, circles, etc.	6,554,236		1,288,222		7,417,635		1,372,249	
Handles, trimmings, etc. ....	...		43,293		...		27,324	
All other materials .....	...		44,387		...		58,871	
TOTAL .....	...		1,375,902		...		1,458,444	

Table 9 - PRODUCTS MADE, 1931, 1932 and 1933.

Products	1	9	3	1	1	9	3	2	1	9	3	3
				\$				\$				\$
Kitchen utensils (a)	1,176,750				908,184				831,274			
All other products (b)	2,421,014				1,795,028				1,947,000			
TOTAL	3,597,714				2,703,212				2,778,274			

(a) In addition to the above output, aluminium kitchen utensils valued at about \$138,674 in 1933, \$134,254 in 1932 and \$126,158 in 1931, were made as minor products by concerns in other industrial groups.

(b) Includes data for miscellaneous fabricated products, electric heaters, welding portions, boot and shoe lasts, hat blocks and dies, parts for automobiles, washing machines, radios, etc.

Table 10 - TOTAL PRODUCTION OF ALUMINIUM HOLLOW-WARE AND KITCHENWARE IN CANADA, 1925 - 1933.

(This table shows total production in Canada regardless of the industry in which produced)

Years	Selling value at works
	\$
1925	1,056,920
1926	1,028,261
1927	1,571,269
1928	1,457,679
1929	1,303,010
1930	1,671,984
1931	1,302,908
1932	1,042,438
1933	969,948

Table 11 - EXPORTS FROM CANADA OF MANUFACTURES OF ALUMINIUM BY COUNTRIES OF DESTINATION,
Calendar Years 1932 and 1933.

Country of Destination	1	9	3	2	1	9	3	3
	Aluminium kitchenware and hollowware		Manufactures of aluminium, n.o.p.		Aluminium kitchenware and hollowware		Manufactures of aluminium, n.o.p.	
	\$		\$		\$		\$	
Argentina .....	...	...	3,906	...	...	...	9,351	...
Australia .....	...	...	785	...	...	...	...	...
Belgium .....	...	...	9,215	...	...	...	421	...
Brazil .....	...	...	1,455	...	...	...	...	...
British India .....	...	...	6,859	...	...	...	3,532	...
Chile .....	...	...	7	...	...	...	...	...
China .....	...	...	1,285	...	...	...	1,134	...
Colombia .....	...	...	2,791	...	...	...	2,323	...
Cuba .....	...	...	3,864	...	...	...	3,429	...
Dutch East Indies .....	...	...	6,389	...	...	...	192	...
Italy .....	...	...	693	...	...	...	10,793	...
Japan .....	...	...	1,028	...	...	...	482	...
Mexico .....	...	...	2,049	...	...	...	1,469	...
Newfoundland	790	...	681	...	854	...	...	...
New Zealand	98	...	482	...	...	...	2,787	...
Russia .....	...	...	899,077	...	...	...	...	...
Spain .....	...	...	...	...	...	...	9,820	...
Sweden .....	...	...	259	...	...	...	...	...
United Kingdom	6,929	...	11,055	...	6,642	...	51,960	...
United States	39	...	2,179	...	...	...	4,893	...
Venezuela .....	...	...	667	...	...	...	16,144	...
Other countries	835	...	7,169	...	1,138	...	19,173	...
TOTAL	8,691	...	961,895	...	8,634	...	137,083	...

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, 1933.

Names of Firms and Location of Plants

Products reported 1933

QUEBEC -

Maple Leaf Hat Block & Die Co., 916 St. George St., Montreal

Aluminium dies; plaster blocks.

ONTARIO -

Aluminum Company of Canada, Ltd., 158 Sterling Rd., Toronto

Fabricated aluminium products.

Aluminum Goods Limited, 158 Sterling Rd., Toronto

Aluminium hollow-ware of all kinds.

Aluminium Ware Mfg. Co. Limited, 20 Dundas St., Oakville

Aluminium kitchen utensils.

Canadian Die Castings, Limited, 18th St. and 3rd Ave. E., Owen Sound

Washing machine parts; auto parts, radio parts, etc.

Clark, Geo. C., Metal Last Company, 178 Walker Rd., Walkerville

Aluminium boot and shoe lasts.

Duro Aluminum Limited, 80 Park St. N., Hamilton

Aluminium kitchen utensils; aluminium scrap.

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DIRECTORY OF FIRMS INCLUDED IN THE ALUMINIUM PRODUCTS INDUSTRY IN CANADA, 1933.(concluded)

Names of Firms and Location of PlantsProducts reported 1933ONTARIO - concluded

Hamilton Aluminum Ware Co., 13 Ferguson Ave.N., Hamilton

Hudson Aluminum Ware, 370 Dufferin St., Toronto

Metal Stampings Limited, Fleet St., Toronto

Metal & Thermit Corporation, 15 Emily St., Toronto

Radiant Aluminum Co. Ltd., 575 Adelaide St.W., Toronto

Shaw, Fornaci, Michaels Co., 24 Mercer St., Toronto

Sterling Aluminum Co. Limited, 6 Jackson Place, Toronto

Super Health Aluminum Co. Limited, 107 McGill St., Toronto

Aluminium kitchen utensils.

Aluminium cooking utensils.

Aluminium kitchen utensils; electric heaters; specialties.

Rail welding portions; forging thermit; nickel thermit; crucibles and other welding supplies.

Aluminium utensils; copper utensils.

Aluminium hat blocks and dies.

Aluminium cooking utensils.

Aluminium cooking utensils.

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NOTE - The large fabricating plant of the Aluminum Company of Canada, Ltd., Shawinigan Falls, P.Q., is not classified in this industry but is considered as a part of the smelter at that point and is included in the Non-Ferrous Smelting and Refining Industry which is reviewed in a separate bulletin.

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