

DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY  
MINING, METALLURGICAL AND CHEMICAL BRANCH  
OTTAWA - CANADA

Dominion Statistician: Herbert Marshall, B.A., F.S.S.  
Chief - Mining, Metallurgical and Chemical Branch: W. H. Losee, B.Sc.  
Statistician - Metal and Chemical Products: H. McLeod, B.Sc.

ANNUAL INDUSTRY REPORT

MANUFACTURES OF THE NON-FERROUS METALS GROUP

THE ALUMINUM PRODUCTS INDUSTRY, 1944

As reviewed in this report, the Aluminum Products Industry covers only the operations of factories which were occupied chiefly in casting, rolling or fabricating aluminum to make bars, rods, sheets, wire, cable, foil, cooking utensils, etc. It does not include the primary aluminum smelters 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 aluminum castings, cable, utensils, etc., which were made as secondary or minor products of brass and iron foundries or other manufacturing establishments.

Twenty-one factories were classified to this industry in 1944, including 3 rolling mills. Of the remaining plants, 9 were occupied chiefly in the manufacture of miscellaneous castings, 2 made aircraft parts and special war supplies, 1 made hat dies and blocks, 1 made thermit welding supplies, 2 made kitchen utensils, 2 made aluminum powder and 1 made miscellaneous household items.

Employees in this industry numbered 5,561; salaries and wages totalled \$9,918,846; materials used in manufacturing processes cost \$14,096,430, and production was valued at \$31,686,134. This value was 3.8 per cent under the \$32,936,285 of 1943.

Output of aluminum cooking utensils in this industry was valued at \$291,029 in 1944, but in addition, concerns in other industries made aluminumware worth \$121,187, bringing the total for Canada to \$412,216. In 1943 the corresponding total was \$280,608 and in 1942 it was \$343,079.

Table 1 - PRINCIPAL STATISTICS OF THE ALUMINUM PRODUCTS INDUSTRY, 1934-1944

Year	Number of plants	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
			\$	\$	\$	\$
1934 ...	16	789	826,597	104,115	2,115,100	3,745,433
1935 ...	19	998	1,089,487	128,653	3,258,310	4,992,640
1936 ...	19	1,101	1,194,999	119,320	3,799,688	5,438,281
1937 ...	18	1,345	1,535,112	140,180	4,525,571	7,156,243
1938 ...	19	1,372	1,619,082	136,690	4,078,112	6,924,088
1939 ...	23	1,570	1,742,420	160,946	4,562,803	7,178,334
1940 ...	26	2,300	2,724,123	262,500	8,920,649	14,895,282
1941 ...	20	3,127	4,094,085	428,465	8,552,035	18,148,205
1942 ...	14	4,419	6,381,685	550,485	13,155,250	26,462,235
1943 ...	17	5,938	8,763,823	758,124	15,136,675	32,936,285
1944 ...	21	5,561	9,918,846	864,883	14,096,430	31,686,134

For FOOTNOTE see Page 2.

## Footnote to Table 1

Profits or losses cannot be calculated from the above figures as data are not available for general expense items, such as interest, rent, depreciation, taxes, advertising, etc.

Table 2 - EMPLOYEES, SALARIES AND WAGES, 1943 and 1944

	1943	1944
Salaried employees--Male .....	389	462
Female .....	316	273
Total .....	705	735
Wage-earners--Male .....	3,784	3,656
Female .....	1,449	1,170
Total .....	5,233	4,826
<b>TOTAL EMPLOYEES .....</b>	<b>5,938</b>	<b>5,561</b>
Salaries .....	\$ 1,194,325	\$ 1,819,397
Wages .....	\$ 7,569,498	\$ 8,093,449
<b>TOTAL SALARIES AND WAGES .....</b>	<b>\$ 8,763,823</b>	<b>\$ 9,913,846</b>

Table 3 - WAGE-EARNERS, BY MONTHS, 1943 and 1944 (On the last day of each month)

Month	1943			1944		
	Male	Female	TOTAL	Male	Female	TOTAL
January .....	3,576	1,216	4,792	4,054	1,548	5,602
February .....	3,524	1,182	4,706	3,877	1,458	5,335
March .....	3,549	1,221	4,770	3,624	1,377	5,001
April .....	3,615	1,322	4,937	3,724	1,338	5,062
May .....	3,755	1,338	5,093	3,645	1,111	4,756
June .....	3,775	1,495	5,270	3,638	1,023	4,661
July .....	3,902	1,543	5,445	3,743	1,035	4,778
August .....	3,872	1,562	5,434	3,767	1,057	4,824
September .....	3,935	1,542	5,477	3,603	1,044	4,647
October .....	3,749	1,569	5,318	3,574	1,049	4,623
November .....	4,148	1,721	5,869	3,446	1,048	4,494
December .....	4,004	1,677	5,681	3,183	952	4,135
<b>AVERAGE .....</b>	<b>3,784</b>	<b>1,449</b>	<b>5,233</b>	<b>3,656</b>	<b>1,170</b>	<b>4,826</b>

Table 4 - HOURS WORKED PER WEEK BY WAGE-EARNERS, 1944

Hours per week	Number of wage-earners		Hours per week	Number of wage-earners	
	Male	Female		Male	Female
30 hours or less	141	83	55 hours .....	61	9
31-43 hours ....	386	393	56-64 hours ....	370	11
44 hours .....	318	200	65 hours or over	47	...
45-47 hours ....	246	106	<b>TOTAL .....</b>	<b>4,252</b>	<b>1,584</b>
48 hours .....	1,532	648			
49-50 hours ....	302	18	Total earnings		
51-54 hours ....	849	116	in selected week \$	143,858	41,863

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Table 5 - FUEL AND ELECTRICITY USED, 1943 and 1944

Kind	Unit of measure	1 9 4 3		1 9 4 4	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal--Canadian	short ton	109	1,185	40	400
Imported	short ton	13,415	110,531	14,590	129,167
Anthracite coal .....	short ton	79	838	46	584
Coke .....	short ton	13,635	168,615	16,146	185,612
Gasoline .....	Imp. gal.	2,421	792	15,146	3,427
Kerosene .....	Imp. gal.	95,024	8,960	44,035	7,821
Fuel oil .....	Imp. gal.	612,822	54,069	742,708	65,557
Gas--Manufactured .....	M cu. ft.	66,002	52,942	67,805	56,683
Natural .....	M cu. ft.	9,385	6,277	5,707	3,872
Wood .....	cord	4	43	7	67
Electricity purchased ...	K. W. H.	94,639,193	353,872	102,162,682	411,693
TOTAL .....	...	...	758,124	...	864,883

Table 6 - POWER EQUIPMENT, 1943 and 1944

	Ordinarily in Use		In Reserve or Idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
	1 9 4 3			
Steam engines and steam turbines	4	135	...	...
Electric motors run by purchased power .....	1,718	27,874	44	25
TOTAL .....	1,722	28,009	44	25
Stationary boilers .....	15	1,947	...	...
Motor generator sets .....	21	4,199	1	150
	1 9 4 4			
Steam engines and steam turbines	7	220	...	...
Electric motors run by purchased power .....	1,979	37,615	51	142
Gasoline, gas and oil engines, other than Diesel .....	...	...	1	5
TOTAL .....	1,986	37,835	52	147
Stationary boilers for power purposes only .....	10	1,507	1	100
Motor generator sets .....	26	5,635	2	170

Table 7 - MATERIALS USED IN MANUFACTURING, 1943 and 1944

	1 9 4 3		1 9 4 4	
	Short tons	Cost at works	Short tons	Cost at works
		\$		\$
Aluminum ingots, sheets, castings, scrap, etc. ....	35,212	14,676,377	40,300	13,471,477
All other materials .....	...	460,298	...	624,953
TOTAL .....	...	15,136,675	...	14,096,430

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Table 8 - PRODUCTS MADE, 1942-1944

Product	1 9 4 2	1 9 4 3	1 9 4 4
	\$	\$	\$
Cooking utensils (a) ....	274,392	215,732	291,029
All other products (b) ..	26,187,843	32,720,553	31,395,105
TOTAL .....	26,462,235	32,936,285	31,686,134

- (a) In addition to the above output, aluminum cooking utensils valued at \$121,187 in 1944; \$64,876 in 1943; \$68,687 in 1942 were made as minor products by concerns in other industrial groups.
- (b) Includes aluminum alloy ingots, wire, cable, foil, forgings, stampings, rivets, tubing, aircraft parts, rods, bars, sheets, extruded shapes, castings, hat dies and shoe lasts; also wooden hat blocks, bronze castings and brass 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 9 - TOTAL PRODUCTION OF ALUMINUM HOLLOW-WARE AND KITCHENWARE IN CANADA, 1934-1944

Year	Selling value at works	Year	Selling value at works
	\$		\$
1934 .....	1,173,877	1940 .....	2,256,710
1935 .....	1,328,527	1941 .....	1,084,611
1936 .....	1,327,141	1942 .....	343,079
1937 .....	1,534,199	1943 .....	280,608
1938 .....	1,529,230	1944 .....	412,216
1939 .....	1,666,716		

NOTE: The above table shows total production in Canada regardless of the industry in which produced.

Table 10 - EXPORTS FROM CANADA OF ALUMINUM AND ITS PRODUCTS, 1943 and 1944

	1 9 4 3	1 9 4 4
	Tons	Tons
	\$	\$
Aluminum in bars, blocks, ingots) and blooms .....	375,384 124,400,894	295,227 93,493,588
Aluminum in rods, sheets and circles .....		3,124 2,310,424
Aluminum kitchen utensils and hollow-ware .....	xxx ...	xxx 779
Aluminum wire and cable .....	xxx 2,082	xxx 59,498
Aluminum manufactures, other ...	xxx 4,780,904	xxx 9,441,522
Aluminum scrap .....	100 18,305	1,802 214,572
TOTAL .....	xxx 129,202,185	xxx 105,520,383

Table 11 - IMPORTS INTO CANADA OF ALUMINUM AND ITS PRODUCTS, 1943 and 1944

	1943		1944	
	Quantity	Value	Quantity	Value
	lb.	\$	lb.	\$
Aluminum in pigs, ingots, blocks, notch bars, slabs, billets and blooms .....	2,300	650	132,400	27,085
Aluminum scrap .....	154,800	17,013	456,400	33,034
Aluminum angles, channels, beams, tees and other rolled or drawn sections or shapes .....	748,100	355,880	337,200	180,226
Aluminum in bars, rods and wire .....	2,227,000	533,720	3,542,400	853,672
Aluminum leaf or foil .....	...	3,054	...	47,845
Aluminum pipes and tubes .....	142,900	129,718	59,400	70,323
Aluminum in plates, sheets, strips and circles .....	1,257,800	438,034	2,700,700	945,287
Aluminum powder .....	3,855	2,083	2,922	2,435
Aluminum wire and cable, twisted or stranded, reinforced with steel or not	700	285	...	...
Aluminum kitchen or household hollow-ware .....	...	3,551	...	11,635
Other manufactures of aluminum .....	...	489,593	...	420,261
TOTAL .....	...	1,973,581	...	2,591,803

LIST OF FIRMS IN THE ALUMINUM PRODUCTS INDUSTRY, 1944

Note: This industry includes only the concerns which were occupied chiefly in making aluminum products. Some concerns in other industries make aluminum castings, etc., as secondary or minor products; they are not listed below.

Name of Firm	Address
<u>Quebec -</u>	
Aluminum Company of Canada, Limited	Isle Maligne, Arvida, Shawinigan Falls
Aluminum Foundry and Pattern Works, Limited	4 St. Philippe St., St. Laurent
Les Produits en Aluminium et Acier	
Inoxydable 1'Hoir Inc.	229 St. Laurent St., Levis
<u>Ontario -</u>	
Dunbar Aluminum Foundry, Limited	983 King St. E., Kitchener
Hamilton Aluminum Ware Co.	13 Ferguson Ave. N., Hamilton
Aluminum Company of Canada, Limited	158 Sterling Road, Toronto
Metal and Thermit Corporation	15 Emily St., Toronto
Aluminum Goods, Limited	158 Sterling Road, Toronto
Canadian Die Casters	180 Beverly St., Galt
Aluminum Company of Canada, Limited	Kingston
Super Health Aluminum Co., Ltd.	107 McGill St., Toronto
H. G. Shaw Company	24 Mercer St., Toronto
Alumaloy Castings, Limited	483 Eastern Ave., Toronto
Aluminum Company of Canada, Limited	Long Branch
Aluminum Match Plates	195 S Woodrow Blvd., Toronto 13
Gratton's Aluminum & Brass Foundry	1008 Glencairn Ave., Toronto
<u>British Columbia -</u>	
A 1 Aluminum Foundry, Limited	5 West 2nd Avenue, Vancouver
Burrard Industries Ltd.	374 Powell St., Vancouver
<u>Manitoba -</u>	
Fisher, W. J. & Sons	60 Maryland St., Winnipeg

