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DOMINION BUREAU OF STATISTICS - CANADA
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Mining, Metallurgical and Chemical Branch Chief: W. H. Losee, B.Sc.

Wilder and File Cook

MANUFACTURES OF THE NON-FERROUS METALS

THE ALUMINIUM PRODUCTS INDUSTRY, 1932

Canada duning 1070 and

Production from the Aluminium Products Industry in Canada during 1932 was valued at \$2,703,212, a decline of 25 per cent from \$3,597,714 in 1931. Firms covered by this group are engaged chiefly in making kitchenware and other goods from aluminium. Data for the aluminium smelters at Arvida and Shawinigan Falls are not included as these works are classed in the non-ferrous smelting and refining industry, and as the fabricating mill at Shawinigan Falls is covered by the report for the smelter at that point, the figures in this bulletin are incomplete to the extent that they do not include the aluminium manufactures from that mill,

In 1932 a total of 14 plants were in this industry and all were located in Ontario. These concerns employed a capital of \$3,906,196 and gave work to a monthly average of 661 people who received \$678,400 for their labour. Materials cost \$1,375,902 at the works and the value added by manufacturing processes was \$1,327,310.

Aluminium kitchenware was made in 9 different plants of which 8 made kitchenware only; 1 plant made miscellaneous fabricated products; 1 made parts for automobiles, washing machines and radios; 1 made forging thermit and rail welding portions; 1 made hat blocks and dies, and 1 made boot and shoe lasts. The production of kitchenware in this industry was valued at \$908,184 in 1932 but in addition concerns in other industries made aluminium kitchenware to the extent of about \$100,000

Imports into Canada of aluminium ingots or blocks during the calendar year 1932 were valued at \$32,319; bars and rods at \$31,357; sheet, strips or plates at \$287,827; leaf or foil at \$113,341; pipes and tubing at \$30,268; kitchen or household hollowware at \$94,843, and other manufactures of aluminium at \$745,570. Exports of aluminium goods from Canada in the same period included bars and blocks at \$2,797,257, scrap at \$135,543, kitchenware at \$8,691, and other manufactures at \$961,895. Re-exports of aluminium and manufactures of aluminium were appraised at \$41,155.

Table 1 Principal Statistics of the Aluminium Products Industry in Canada, 1928-1932.

| | | | Average | | | Selling | Value |
|--|--------|-------------|---------|-----------|-----------|-----------|-----------|
| | No of | Capital | number | Salaries | Cost of | value of | added by |
| Years | plants | employed | of em | and | materials | products | manu- |
| In the last transmission of the last transmiss | | | ployees | wages | at works | at works | 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 | 1.4 | 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 |

| Present value of lands, buildings, mechinery and other equipment 2,693,782 2,110,965 | Table 2 - Capital Amproyed, 1 | Sor and | 195%. | | | | |
|--|--------------------------------|----------|------------|---------------------------|--|--|--|
| Present value of lands, buildings, machinery and other equipment 2,693,782 2,110,965 | Capital employed as represent | ed by: | | | | 1931 | 1932 |
| Inventory value of maturials on anad, stocks in process, fuel and other supplies on hand | | | | nd other | | \$ | \$ |
| Tuendroy value of finished products on hand 980,159 992,519 | equipment | on hand. | stocks i | n process. | 2, | 693,782 | 2,110,965 |
| Inventory value of finished products on hand | fuel and other supplies on h | and | 63000000 | p | | 301 673 | 438 QQ9 |
| Separating capital (cash, bills and accounts receivable, prepaid expenses, etc.) 565,220 563,720 | Inventory value of finished p | roducts | on hand . | 7000000000 | | | |
| Table 3 - Employees, Salaries and Wages, 1931 and 1932. 1 9 3 1 1 9 3 2 | Operating capital (cash, bill | s and ac | counts re | ceivable. | | , L. O. | 000,010 |
| Table 3 Employees, Salaries and Wages, 1931 and 1932 1 9 3 1 | prepaid expenses, etc.) | | | | | 565, 220 | 363,720 |
| Salaried Employees | TOTAL | 400000 | | | | | |
| Salaried Employees | Table 3 - Employees, Salaries | and Wag | es, 1931 | and 1932. | | | |
| Female | | | | | | 931 | 1932 |
| Female | Salaried Employees - Male | | ~ * | * * * * * * * * * * * * * | | 161 | 122 |
| Mage_Earners | | | | | | | |
| Female TOTAL EMPLOYEES TOTAL SALARIES AND WAGES TOTAL T | | | TOTAL | | | 213 | 166 |
| Female TOTAL EMPLOYEES TOTAL SALARIES AND WAGES TOTAL T | Wage-Earners - Male | | | | | 503 | 430 |
| TOTAL EMPLOYEES TOTAL EMPLOYEES TOTAL EMPLOYEES TOTAL EMPLOYEES TOTAL EMPLOYEES TOTAL EMPLOYEES TOTAL SALARIES AND WAGES TOTAL SALARIES AND | | | | | | | |
| Salaries Salaries | | | TOTAL | | | 580 | 495 |
| Total Salaries and Wages Formation F | T | OTAL EMP | LOYEES | | | 793 | 661 |
| Total Salaries and Wages \$\frac{601,739}{925,546} \text{432,615} \\ Table 4 - Wage-Earners, by Months, 1931 and 1932. | Salaries | | | | \$ 3 | 321.807 | 245.785 |
| Table 4 - Wage Earners, by Months, 1931 and 1932. 1 9 3 1 | Wages | | | | \$ 6 | 01,739 | 432,615 |
| Maie Female TOTAL Male Female TOTAL | TOTAL SALARIES | AND WA | GES | | \$ 9 | 23,546 | 678,400 |
| Maie Female TOTAL Male Female TOTAL | Table 4 - Wage Earners, by Mon | nths, 19 | 31 and 193 | 32. | | | |
| January 513 78 591 459 61 520 February 532 83 615 458 60 518 March 524 89 613 456 59 515 April 520 74 594 445 56 501 May 518 69 587 459 65 504 June 523 70 593 417 64 481 July 510 63 573 405 52 457 August 506 68 574 388 60 448 September 493 72 565 401 57 458 October 471 64 535 428 80 508 November 482 69 551 454 80 534 December 450 80 530 419 76 495 AVERAGE 503 77 580 430 65 495 Table 5 Number of Wage-Earners, in Month of Righest Employment, Classed According to Regular Hours Worked Per Week, 1932. (Overtime not included) Regular hours worked Number of Regular hours worked per week wage-earners 40 hours or less 104 54 hours 740 45 47 hours 24 56 59 hours 740 48 hours 171 55 hours 740 49 50 hours 172 | | 1 | | | | The second section is a second section of the second section of the second section sec | The state of the later of the l |
| February | Months | Mare | remale | TOTAL | Male | <u> </u> | TOTAL |
| March 524 89 613 456 59 515 April 520 74 594 445 56 501 May 518 69 587 439 65 504 June 523 70 593 417 64 481 July 510 63 573 405 52 457 August 506 68 574 388 60 448 September 493 72 565 401 57 458 October 471 64 535 428 80 508 November 482 69 551 454 80 534 December 450 80 530 419 76 495 AVERAGE 503 77 580 430 65 495 Table 5 Number of Wage-Earners, in Month of Highest Employment, Classed According to Regular Hours Worked Per Week, 1932 (Overtime not included) Regular hours worked Number of Per Week 171 55 hours 1 44 hours 171 55 hours 174 45 47 hours 24 56 - 59 hours 174 48 hours 175 hours 175 hours 176 40 hours 177 458 60 hours 177 458 60 hours 177 458 60 hours 177 40 45 hours 178 40 hours 179 40 hours | January | | 78 | 591 | 459 | 61 | 520 |
| April | February | | | | | | 518 |
| Simple S | | | | | | | |
| June 523 70 593 417 64 481 July 510 63 573 405 52 457 August 506 68 574 388 60 448 September 493 72 565 401 57 458 October 471 64 535 428 80 508 November 482 69 551 454 80 534 December 450 80 530 419 76 495 AVERAGE 503 77 580 430 65 495 Table 5 Number of Wage-Earners, in Month of Highest Employment, Classed According to Regular hours Worked Per Week, 1932. (Overtime not included) Number of Wage-earners | | | | | | | - |
| July 510 63 573 405 52 457 August 506 68 574 388 60 448 September 493 72 565 401 57 458 October 471 64 535 428 80 508 November 482 69 551 454 80 534 December 450 80 530 419 76 495 AVERAGE 503 77 580 430 65 495 Table 5 Number of Wage-Earners, in Month of Highest Employment, Classed According to Regular Hours Worked Per Week, 1932. (Overtime not included) Number of wage earners Number of Per Week Number of Wage earners Number of Number of Per Week Number of Wage earners Number of Per Week Number of Wage earners Number of Per Week Number of Wage earners Number | | | | | | | |
| August 506 68 574 388 60 448 September 493 72 565 401 57 458 October 471 64 535 428 80 508 November 482 69 551 454 80 534 December 450 80 530 419 76 495 AVERAGE 503 77 580 430 65 495 Table 5 Number of Wage-Earners, in Month of Highest Employment, Classed According to Regular Hours Worked Per Veek, 1932. (Overtime not included) Number of Wage earners Number of Per Week | | | | | | | |
| September | | | | | | | |
| October 471 64 535 428 80 508 November 482 69 551 454 80 534 December 450 80 530 419 76 495 AVERAGE 503 77 580 430 65 495 Table 5 Number of Wage-Earners, in Month of Highest Employment, Classed According to Regular Hours Worked Per Week, 1932. (Overtime not included) Number of Per Week Number of Per Week Number of Wage earners Number of Wage earners Number of Wage earners Number of Per Week Number of Wage earners Number of Per Week Number of Wage earners < | | | | | | | |
| November | | | | | | | |
| December 450 80 530 419 76 495 AVERAGE 503 77 580 430 65 495 Table 5 Number of Wage-Earners, in Month of Highest Employment, Classed According to Regular Hours Worked Per Week, 1932. (Overtime not included) Regular hours worked Number of Regular hours worked Number of per week wage earners | | | | | | | |
| AVERAGE 503 77 580 430 65 495 Table 5 Number of Wage-Earners, in Month of Highest Employment, Classed According to Regular Hours Worked Per Week, 1932. (Overtime not included) Regular hours worked Number of Regular hours worked Number of per week wage earners 40 hours or less 104 54 hours 171 55 hours 171 55 hours 174 hours 171 56 hours 174 56 - 59 hours 41 48 hours 188 60 hours 174 60 hours 175 hours 176 60 hours 177 67 68 hours 177 68 hours 177 68 hours 178 69 hours | | | | | | | |
| Table 5 Number of Wage-Earners, in Month of Highest Employment, Classed According to Regular Hours Worked Per Week, 1932. (Overtime not included) Regular hours worked Number of Regular hours worked per week wage earners 40 hours or less | | | | | the star of the same of the sa | | |
| Regular hours worked per week wage earners per week wage earners 40 hours or less | Table 5 Number of Wage-Earne | | | | | | According to |
| per week wage earners per week wage earners 40 hours or less 104 54 hours 1 44 hours 171 55 hours -40 45 47 hours 24 56 - 59 hours 41 48 hours 28 60 hours 1 49 50 hours 132 Over 60 hours 7 | Regular hours worked | | | | | | Number of |
| 44 hours 171 55 hours -40 45 47 hours 24 56 - 59 hours 41 48 hours 28 60 hours 1 49 50 hours 132 Over 60 hours 7 | | | rners | | | | |
| 45 47 hours | | | | | | | - Annual Control of the Control of t |
| 48 hours | | | | | | | |
| | | 28 | | | | | 1 |
| | 49 50 hours | | | Over 60 h | ours | 00000 | 7 |

| design of malfordist in colors and graphing and population of the color of the colo | y Used, 1931 | allu Looks | | | | | |
|--|------------------------------|--|--|--|--|--|--|
| | Unit of | 1 9 3 | 1 | 1 9 3 | 2 | | |
| Kinds | measure | Quantity | Value | Quantity | Value | | |
| | | | \$ | | \$ | | |
| Bituminous coal - Canadian | short ton | 25 | 262 | 33 | 33 8 | | |
| Imported | short ton | 1,606 | 8,781 | 1,659 | 9,300 | | |
| Coke | short ton | 1,371 | 11,593 | 1,098 | 8,138 | | |
| Gasoline | | 1,1.60 | 255 | 180 | 45 | | |
| Kerosene | | 155 | 29 | 180 | 32 | | |
| Fuel oil | | 89,436 | 7,042 | 69,781 | 4,743 | | |
| Gas - Manufactured | | 3,951 | 3,765 | 3,986 | 3,885 | | |
| Natural | | 119 | 83 | 74 | 51 | | |
| Other fuel | | 3 | 26 | 0 0 0 | 17 | | |
| Electricity | | 5,501,264 | | 4,499,636 | 40,079 | | |
| TOTAL | XXX | 0 0 0 | 79,364 | 0 0 0 | 66,628 | | |
| m 1 | 1 . 3 3000 | | | | | | |
| Table 7 - Power Employed, 193 | 1 and 1932, | 1 9 3 | 1 | 3 0 7 | 0 | | |
| V: | N l | per of Total | N | 1 9 3 | 2 | | |
| Kinds | | | | | rated | | |
| | | mits horse | power un | its horse | power | | |
| Total primary power | | | | | | | |
| Electric motors run by purcha | | 9 9 | 0 | | 00 | | |
| | | 94 2,98 | 02 10 | 2,9 | arc. | | |
| Total Power Employed | | 94 2,98 | | 98 2,9 | | | |
| | | | | | | | |
| Boilers | | 5 4 | 11 | 4 4 | .03 | | |
| | | | | | | | |
| Table 8 - Materials Used, 1931 and 1932; | | | | | | | |
| Table 8 - Materials used, 193 | | | | | | | |
| Table 8 - Materials Used, 193 | | 9 3 1 | 1 | 9 3 2 | and the second s | | |
| Materials | 1 | Cost at | | Cost | at - | | |
| | | Cost at | 1 Poun | Cost ds wor | at - | | |
| Materials | Pound | Cost at works | Poun | Cost ds wor | at - | | |
| Materials Aluminium sheets, circles, et | Pound c. 9,573,6 | Cost at works \$ 00 1,975,36 | Poun 6,554 | Cost wor \$,236 1,288 | at - ks | | |
| Materials Aluminium sheets, circles, et Handles, trimmings, etc | Pound c. 9,573,6 | Cost at works \$ 00 1,975,36 27,66 | Pound 68 6,554 | Cost ds wor \$,236 1,288 | at - ks | | |
| Aluminium sheets, circles, et Handles, trimmings, etc All other materials | Pound c. 9,573,6 | Cost at works 00 1,975,36 27,66 63,81 | Poun 68 6,554 66 | Cost ds wor \$,236 1,288 43 | at - ks ,222 ,293 | | |
| Materials Aluminium sheets, circles, et Handles, trimmings, etc | Pound c. 9,573,6 | Cost at works \$ 00 1,975,36 27,66 | Poun 68 6,554 66 | Cost ds wor \$,236 1,288 | at - ks ,222 ,293 | | |
| Aluminium sheets, circles, et Handles, trimmings, etc All other materials | Pound c. 9,573,6 | Cost at works 00 1,975,36 27,66 63,81 2,066,83 | Pound 68 6,554 66 17 | Cost ds wor \$,236 1,288 43 44 1,375 | at - ks ,222 ,293 ,387 | | |
| Aluminium sheets, circles, et Handles, trimmings, etc All other materials | Pound c. 9,573,6 | Cost at works 00 1,975,36 27,66 63,81 2,066,85 | Pound 68 6,554 66 17 | Cost ds wor \$,236 1,288 43 44 1,375 | at - ks ,222 ,293 ,387 | | |
| Aluminium sheets, circles, et Handles, trimmings, etc All other materials | Pound c. 9,573,6 | Cost at works 00 1,975,36 27,66 63,81 2,066,83 | Pound 68 6,554 66 17 | Cost ds wor \$,236 1,288 43 44 1,375 | ,222 ,293 ,387 | | |
| Aluminium sheets, circles, et Handles, trimmings, etc All other materials TOTAL Table 9 - Products Made in the | Pound c. 9,573,6 | Cost at works \$ 00 1,975,36 27,66 63,81 2,066,83 Products Indu 1932. | Pound 68 6,554 66 17 51 estry in Cana | Cost ds wor \$,236 1,288 43 1,375 ada, 1930, 1 | at 4 ks ,222 ,293 ,387 ,902 931 and | | |
| Aluminium sheets, circles, et Handles, trimmings, etc All other materials | Pound c. 9,573,6 | Cost at works 00 1,975,36 27,66 63,81 2,066,85 | Pound 68 6,554 66 17 | Cost ds wor \$,236 1,288 43 44 1,375 | at 4 ks ,222 ,293 ,387 ,902 931 and | | |
| Aluminium sheets, circles, et Handles, trimmings, etc All other materials TOTAL Table 9 - Products Made in the | Pound c. 9,573,6 | Cost at works 00 1,975,36 27,66 63,81 2,066,83 Products Indu 1932, 1930 | Pound 68 6,554 66 17 51 cstry in Cana | Cost ds wor ,236 1,288 43 44 1,375 ada, 1930, 1 | at ks ,222 ,293 ,387 ,902 931 and | | |
| Aluminium sheets, circles, et Handles, trimmings, etc All other materials TOTAL Table 9 - Products Made in the Products | Pound c. 9,573,6 | Cost at works 00 1,975,36 27,66 63,81 2,066,85 Products Indu 1932. | Pound 68 6,554 66 17 51 cstry in Canal | Cost wor ,236 1,288 43 44 1,375 ada, 1930, 1 | at - ks ,222 ,293 ,387 ,902 931 and | | |
| Aluminium sheets, circles, et Handles, trimmings, etc All other materials Total Table 9 - Products Made in the Products Kitchen utensils (a) | Pound c. 9,573,6 | Cost at works 9 00 1,975,36 27,66 63,81 2,066,85 Products Indu 1932 1930 | Pound 68 6,554 66 17 51 cstry in Canal 1931 \$ 1,176,750 | Cost wor ,236 1,288 43 44 1,375 ada, 1930, 1 | at - ks ,222 ,293 ,387 ,902 931 and 32 | | |
| Aluminium sheets, circles, et Handles, trimmings, etc All other materials Total Table 9 - Products Made in the Products Kitchen utensils (a) | Pound co 9,573,6 e Aluminium | Cost at works 00 1,975,36 27,66 63,81 2,066,85 Products Indu 1932. | Pound 68 6,554 66 17 51 cstry in Canal | Cost ds wor 236 1,288 43 44 1,375 ada, 1930, 1 19 \$ 908 1,795 | at ks ,222 ,293 ,387 ,902 931 and 32 ,184 ,028 | | |

⁽a) In addition to the above output, aluminium kitchen utensils valued at about \$100,000 in 1932, \$126,158 in 1931 and \$172,734 in 1930, were made as a minor product 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.

4

Table 10 - Exports of Manufactures of Aluminium by Principal Countries, Calendar Years

| 1951 and 1952. | | | | | | | | |
|------------------------|-------------|--------------|-------------|--------------|--|--|--|--|
| | 1 9 | 3 1 | 1 9 3 2 | | | | | |
| | Aluminium | Manufactures | Aluminium | Manufactures | | | | |
| Country of Destination | kitchenware | of | kitchenware | of | | | | |
| | and | aluminium, | and | aluminium, | | | | |
| | hollowware | n.o.p. | hollowware | n.o.p. | | | | |
| | \$ | \$ | \$ | \$ | | | | |
| Argentina | 25 4 7 | 37,474 | 4.5 | 3,906 | | | | |
| Australia | 3 0 4 | | 5 · U | 785 | | | | |
| Belgium | 9 3 3 | 3,325 | • : | 9,21.5 | | | | |
| Brazil | * * * * * | 1,695 | 0 * 0 | 1,455 | | | | |
| British India | ^ • • | 67,956 | 1 2 | 6,859 | | | | |
| Chile | 0 0 0 | 12,088 | 5 5 C | 7 | | | | |
| China | 481 | 47,291 | , , , | 1,285 | | | | |
| Colombia | 9 5 5 | 5,414 | 5 9 0 | 2,791 | | | | |
| Cuba | 98 | 12,425 | | 3,864 | | | | |
| Dutch East Indies | άφφ | 390 | A * * | 6,389 | | | | |
| Italy | n o o | 4,815 | 5 4 9 | 693 | | | | |
| Japan | 774 | 12,476 | 0 0 0 | 1,028 | | | | |
| Mexico | 0 0 0 | 208,592 | 200 | 2.049 | | | | |
| Newfoundland | 1,775 | 0.2.0 | 790 | 681. | | | | |
| New Zealand | 403 | 29,373 | 98 | 482 | | | | |
| Russia | | 0 ~ 0 | 2 * 2 | 899,077 | | | | |
| Spain | 0 2 0 | 5,064 | 4 3 2 | 0.00 | | | | |
| Sweden | 0.00 | 99 | 0 8 C | 259 | | | | |
| United Kingdom | 283 | 36,289 | 6,929 | 11,055 | | | | |
| United States | 44 | 3,660 | 39 | 2,179 | | | | |
| Venezuela | . 92 | 4,543 | 0 = 0 | 667 | | | | |
| Other countries | 1,217 | 10,045 | 835 | 7,169 | | | | |
| TOTAL | 5,167 | 503,014 | 8,691 | 961,895 | | | | |

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, 1932.

Name of Firm

Location of Plant

Aluminum Company of Canada, Ltd.
Aluminum Goods Ltd.
Aluminum Ware Mfg. Co. Ltd.
Canadian Die Castings Ltd.
Cashore & Co.
Clark Metal Last Co., Geo. C.
Duro Aluminum Ltd.
Hamilton Aluminum Ware Co.
Hudson Aluminum Ware
"Ideal" Aluminum Products
Metal Stampings Ltd.
Radiant Aluminum Co. Ltd.
Shaw. Fornaci, Michaels Co.
Super Health Aluminum Co. Ltd.
Metal & Thermit Corporation

158 Sterling Road, Toronto
158 Sterling Road, Toronto
20 Dundas St., Cakville
18th St. and 3rd Ave. E., Owen Sound
2506 3rd Ave. E., Owen Sound
178 Walker Road, Walkerville
80 Park St. N., Hamilton
13 Ferguson Ave. N., Hamilton
370 Dufferin St., Toronto
2480 Dundas St. W., Toronto
Fleet St., Toronto
575 Adelaide St. W., Toronto
24 Mercer St., Toronto
107 McGill St., Toronto
15 Emily St., Toronto

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.