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MINING, METALLURGICAL AND CHEMICAL BRANCH  
OTTAWA - CANADA

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COPPER AND NICKEL PRODUCTION IN CANADA - AUGUST, 1935.

COPPER - Canada's production of copper in August was recorded at 32,603,557 pounds as compared with 30,965,129 pounds in the preceding month and 32,647,984 pounds in August, 1934, according to a report just issued by the Dominion Bureau of Statistics at Ottawa. During the eight months ending August the Canadian output totalled 278,579,178 pounds or 16.7 per cent above the production in the corresponding months of 1934. Quotations for electrolytic copper on the London market in August averaged 8.00627 cents per pound in Canadian funds; during the previous month the average price was 7.59768 cents per pound. Valued at these prices the Canadian output in August was worth \$2,610,329 and in July, \$2,352,631.

A press announcement indicated that the International Nickel Company of Canada intends to erect a research laboratory at Copper Cliff, Ontario, on similar lines to that in Bayonne, New Jersey, to deal with improvements in the processes for refining nickel and copper. Particular attention will be directed towards the development of new uses for copper along the same lines which the company has successfully employed in increasing the commercial use of nickel.

On August 23rd the Granby Consolidated Mining, Smelting & Power Company closed down its Anyox, B.C., copper smelter permanently.

According to the Metal and Mineral Markets world stocks of refined copper declined 21,500 tons in August to 549,800 tons. The United States stocks on August 30th amounted to 248,600 tons, a decrease of 14,700 tons during the month. Stocks of refined copper held in other countries were recorded at 301,200 tons as compared with 308,000 tons on July 31st. London Metal Exchange official warehouses on August 31st contained 84,717 tons of refined copper and 12,806 tons of rough copper; at the end of July 82,089 tons of the former and 12,694 tons of the latter were on hand.

The United States exported 28,403 tons of refined copper during August; Great Britain purchased 31.7 per cent of these exports; Italy, 21.1 per cent; Japan, 16.6 per cent; France, 8.0 per cent; Germany, 6.3 per cent, and the remainder was consigned principally to Sweden, Belgium, the Netherlands and Denmark.

Imports of electrolytic copper into Great Britain in August declined to 13,244 tons from the July total of 17,366 tons; other unwrought copper importations rose to 12,489 tons from the July receipts of 6,619 tons.

The August thirtieth issue of the London Metal Bulletin contained a reference to the increased consumption of copper in mechanical refrigeration and air conditioning in the United States. Approximately 500 tons of copper and copper alloys are being used weekly in these new industries. This consumption is made up of 35 per cent copper tubes, 30 per cent copper sheets, 15 per cent copper wire and bars, 10 per cent brass forgings, 4 per cent brass rods and 4 per cent brass sheets.

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PRODUCTION OF COPPER IN CANADA

| Month                                  | 1935(a)     | 1934        | 1933        |
|--|-------------|-------------|-------------|
|  | Pounds      | Pounds      | Pounds      |
| January .....                          | 33,480,418  | 26,443,315  | 23,075,970  |
| February .....                         | 33,467,044  | 24,447,295  | 17,178,479  |
| March .....                            | 37,828,906  | 30,754,411  | 21,783,476  |
| April .....                            | 38,847,833  | 31,661,575  | 19,877,694  |
| May .....                              | 35,772,440  | 35,540,550  | 21,175,850  |
| June .....                             | 35,513,851  | 27,798,929  | 25,381,907  |
| July .....                             | 30,965,129  | 29,456,597  | 29,609,235  |
| August .....                           | 32,603,557  | 32,647,984  | 28,243,639  |
| September .....                        |             | 27,551,889  | 30,720,201  |
| October .....                          |             | 32,888,933  | 29,894,112  |
| November .....                         |             | 34,280,777  | 26,431,609  |
| December .....                         |             | 31,289,007  | 26,510,276  |
| TOTAL - Calendar Year .....            |             | 364,761,062 | 299,982,448 |
| TOTAL - Eight Months ending AUGUST ... | 278,579,178 | 238,750,456 | 186,326,250 |

(a) Subject to revision.

EXPORTS OF COPPER FROM CANADA DURING JULY AND AUGUST, 1935.

|  | J U L Y    |           | A U G U S T |           |
|--|------------|-----------|-------------|-----------|
|  | Pounds     | \$        | Pounds      | \$        |
| Copper in ore, matte, regulus, etc. ....                   | 3,405,800  | 170,233   | 2,508,900   | 125,881   |
| Copper, blister .....                                      | 6,336,000  | 475,196   | 9,760,500   | 693,482   |
| Copper in ingots, bars, cakes, slabs<br>and billets .....  | 22,361,600 | 1,671,666 | 27,628,100  | 2,054,108 |
| Copper in rods, strips, sheets, plates<br>and tubing ..... | 1,439,200  | 127,229   | 2,510,600   | 214,011   |

IMPORTS OF COPPER INTO GREAT BRITAIN DURING JULY AND AUGUST, 1935.

|  | J U L Y    |         | A U G U S T |         |
|--|------------|---------|-------------|---------|
|  | Pounds     | £       | Pounds      | £       |
| Unwrought, including rough copper of 94%<br>copper content or over - |            |         |             |         |
| ELECTROLYTIC -   |            |         |             |         |
| From - Australia .....   | 1,809,920  | 27,465  | ...         | ...     |
| Canada .....   | 17,881,920 | 272,257 | 14,589,120  | 231,371 |
| Other British countries .....  | 2,369,920  | 35,991  | 3,248,000   | 50,295  |
| United States .....  | 10,041,920 | 151,114 | 8,370,880   | 128,414 |
| Chile .....  | 2,016,000  | 30,971  | ...         | ...     |
| Other Foreign countries .....  | 1,012,480  | 15,604  | 280,000     | 4,595   |
| TOTAL .....  | 35,132,160 | 533,402 | 26,488,000  | 414,675 |
| OTHER -  |            |         |             |         |
| From - Union of South Africa .....                                   | 32,880     | 1,221   | 432,320     | 6,677   |
| Northern Rhodesia .....  | 4,397,120  | 61,522  | 13,914,880  | 199,334 |
| Other British countries .....  | 2,486,400  | 36,532  | 2,800,000   | 35,289  |
| Chile .....  | 6,160,000  | 91,682  | 6,493,760   | 95,374  |
| Other Foreign countries .....  | 112,000    | 1,892   | 1,337,280   | 20,927  |
| TOTAL .....  | 13,238,400 | 192,849 | 24,978,240  | 357,601 |
| Plates, sheets, discs, circles and strip..                           | 694,624    | 15,482  | 516,880     | 11,566  |
| Rods and sections, angles and shapes and<br>wire not in coils -      |            |         |             |         |
| From - British countries .....                                       | 662,144    | 10,772  | 1,672,160   | 29,097  |
| Foreign countries .....  | 2,800      | 70      | 5,600       | 128     |
| TOTAL .....  | 664,944    | 10,842  | 1,677,760   | 29,225  |
| Wire in coils (including uninsulated<br>electric wire) .....         | 221,424    | 4,918   | 126,224     | 2,827   |
| All other manufactures of copper not<br>elsewhere specified .....    | 592,816    | 17,985  | 372,960     | 11,839  |





NICKEL - The Canadian production of nickel in August totalled 10,869,647 pounds as compared with 10,189,261 pounds in July and 14,257,921 pounds in August, 1934. Output during the eight months ending August amounted to 84,690,789 pounds or 4 per cent below the production during the period January to August, 1934.

According to the Metal and Mineral Markets the nickel refinery of the Mond Nickel Company at Clydach, Wales (International Nickel subsidiary) is to be enlarged to virtually double the capacity of the plant. About \$750,000 will be spent on the project. The company will construct a modern laboratory for metallurgical research at Birmingham.

PRODUCTION OF NICKEL IN CANADA

| Month                                   | 1935(a)    | 1934        | 1933       |
|---|------------|-------------|------------|
|   | Pounds     | Pounds      | Pounds     |
| January .....                           | 9,390,437  | 9,259,066   | 1,784,264  |
| February .....                          | 8,790,996  | 7,261,301   | 1,993,863  |
| March .....                             | 10,618,462 | 10,426,462  | 3,285,427  |
| April .....                             | 11,836,091 | 12,911,552  | 2,139,886  |
| May .....                               | 11,330,388 | 10,023,950  | 5,490,911  |
| June .....                              | 11,665,507 | 13,388,307  | 8,065,940  |
| July .....                              | 10,189,261 | 10,649,811  | 9,255,033  |
| August .....                            | 10,869,647 | 14,257,921  | 10,216,700 |
| September .....                         |            | 8,764,513   | 10,645,933 |
| October .....                           |            | 8,893,458   | 10,734,268 |
| November .....                          |            | 12,147,283  | 10,847,417 |
| December .....                          |            | 10,703,716  | 8,805,016  |
| TOTAL - Calendar Year .....             |            | 128,687,340 | 83,264,658 |
| TOTAL - Eight Months ending AUGUST .... | 84,690,789 | 88,178,370  | 42,232,024 |

(a).Subject to revision.

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