

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

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

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.

MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

JUNE, 1936.

PIG IRON - Production of pig iron during June totalled 56,362 long tons including 59,455 tons of basic iron, 5,212 tons foundry iron and 11,697 tons of the malleable grade.

The tonnage for June was 5 per cent less than the May total of 58,852 tons and 24 per cent above the 44,555 tons reported for June of a year ago.

Furnace charges during the month included 97,778 long tons of imported iron ore, 29,099 tons of limestone and 57,274 tons of coke.

For the first six months of 1936 the output of pig iron totalled 340,535 long tons as compared with 259,777 tons in the corresponding period of last year.

FERRO-ALLOYS - The June production of ferro-alloys amounted to 5,507 tons compared with 6,171 tons during May and 3,845 tons for June of last year. This month's tonnage consisted of spiegeleisen, ferrosilicon and ferrochrome.

STEEL INGOTS AND CASTINGS - Steel production during June amounted to 82,196 long tons or 13 per cent less than the May total of 94,602 tons and 12 per cent above the total for June, 1935. The June output included 79,234 tons of ingots and 2,962 tons of castings.

For the year to date the cumulative output of steel totalled 578,700 tons or 49 per cent more than in the corresponding period of last year.

PRICES - The volume of business transacted in iron and steel products, while less than in the past few months, was maintained at higher levels than a year ago and prices remained firm. Good demand from the automobile manufacturing industry and substantial orders for mining equipment were recorded. Sales of merchant pig iron were mostly in small spot tonnage lots and approximated 1,000 tons per week.

The Dominion Bureau of Statistics' index of "Iron and Its Products" on the base 1926 - 100, moved down fractionally from 87.8 in May to 87.7 in June, owing chiefly to reduced prices for wood screws. Pig iron prices were unchanged. No. 1 foundry, delivered at Montreal, was quoted at \$22.00 per gross ton and at \$21.50 per gross ton, delivered at Toronto. No. 2 foundry was \$21.50 and \$21.00 per gross ton at these respective centres.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - Production during JUNE and MAY, 1936. (Tons of 2,240 lb.)

|                    | J U N E, 1936  |             |        | M A Y, 1936    |             |        |
|--------------------|----------------|-------------|--------|----------------|-------------|--------|
|                    | For own<br>use | For<br>sale | TOTAL  | For own<br>use | For<br>sale | TOTAL  |
| PIG IRON -         |                |             |        |                |             |        |
| Basic .....        | 39,292         | 161         | 39,453 | 43,493         | ...         | 43,493 |
| Foundry .....      | 254            | 4,958       | 5,212  | 300            | 7,055       | 7,355  |
| Malleable .....    | 264            | 11,433      | 11,697 | 438            | 7,566       | 8,004  |
| TOTAL .....        | 39,810         | 16,552      | 56,362 | 44,231         | 14,601      | 58,832 |
| Ferro-alloys ..... | ...            | 5,307       | 5,307  | ...            | 6,171       | 6,171  |

Table 2 - Cumulative Production for the SIX MONTHS ending JUNE, 1936 and 1935.  
(Tons of 2,240 lb.)

|                    | 1 9 3 6        |             |         | 1 9 3 5        |             |         |
|--------------------|----------------|-------------|---------|----------------|-------------|---------|
|                    | For own<br>use | For<br>sale | TOTAL   | For own<br>use | For<br>sale | TOTAL   |
| PIG IRON -         |                |             |         |                |             |         |
| Basic .....        | 266,360        | 984         | 267,344 | 207,737        | 38          | 207,775 |
| Foundry .....      | 1,300          | 38,830      | 40,130  | ...            | 31,627      | 31,627  |
| Malleable .....    | 1,954          | 30,907      | 32,861  | ...            | 20,375      | 20,375  |
| TOTAL .....        | 269,614        | 70,721      | 340,335 | 207,737        | 52,040      | 259,777 |
| Ferro-alloys ..... | ...            | 30,550      | 30,550  | ...            | 22,192      | 22,192  |

Table 3 - Iron Blast Furnace Charges, JUNE and MAY, and YEAR TO DATE, 1936.

|                                     | JUNE<br>1936 | MAY<br>1936 | YEAR TO<br>DATE |
|-------------------------------------|--------------|-------------|-----------------|
| Imported iron ore ..... long tons   | 97,778       | 108,262     | 611,069         |
| Canadian limestone ..... short tons | 8,509        | 9,038       | 56,016          |
| Imported limestone ..... short tons | 20,590       | 21,912      | 119,239         |
| Coke made in Canada -               |              |             |                 |
| From Canadian coal ..... short tons | 30,942       | 30,737      | 163,170         |
| From imported coal ..... short tons | 16,698       | 25,111      | 146,817         |
| Imported coke ..... short tons      | 9,634        | 4,482       | 52,091          |

(b) STEEL INGOTS AND DIRECT CASTINGS

Table 4 - Production for JUNE and MAY, 1936. (Tons of 2,240 lb.)

|                                | J U N E, 1936  |             |        | M A Y, 1936    |             |        |
|--------------------------------|----------------|-------------|--------|----------------|-------------|--------|
|                                | For own<br>use | For<br>sale | TOTAL  | For own<br>use | For<br>sale | TOTAL  |
| <u>STEEL INGOTS</u>            |                |             |        |                |             |        |
| Open hearth - Basic .....      | 75,713         | ...         | 75,713 | 87,948         | ...         | 87,948 |
| Electric .....                 | 3,521          | ...         | 3,521  | 3,822          | ...         | 3,822  |
| Other .....                    | ...            | ...         | ...    | ...            | ...         | ...    |
| Total Steel Ingots .....       | 79,234         | ...         | 79,234 | 91,770         | ...         | 91,770 |
| <u>STEEL CASTINGS</u>          |                |             |        |                |             |        |
| Open hearth - Basic .....      | 115            | 692         | 807    | 105            | 657         | 762    |
| Bessemer .....                 | ...            | 41          | 41     | ...            | 35          | 35     |
| Electric .....                 | 402            | 1,712       | 2,114  | 363            | 1,672       | 2,035  |
| Total Direct Steel Castings .. | 517            | 2,445       | 2,962  | 468            | 2,364       | 2,832  |
| GRAND TOTAL .....              | 79,751         | 2,445       | 82,196 | 92,238         | 2,364       | 94,602 |

Table 5 - Cumulative Production for the SIX MONTHS ending JUNE, 1936 and 1935.

|                                | 1 9 3 6        |             |         | 1 ' 9 3 5      |             |         |
|--------------------------------|----------------|-------------|---------|----------------|-------------|---------|
|                                | For own<br>use | For<br>sale | TOTAL   | For own<br>use | For<br>sale | TOTAL   |
| <u>STEEL INGOTS</u>            |                |             |         |                |             |         |
| Open hearth - Basic .....      | 539,429        | 105         | 539,534 | 361,457        | 411         | 361,868 |
| Electric .....                 | 20,683         | ...         | 20,683  | 13,274         | ...         | 13,274  |
| Other .....                    | ...            | ...         | ...     | ...            | ...         | ...     |
| Total Steel Ingots .....       | 560,112        | 105         | 560,217 | 374,731        | 411         | 375,142 |
| <u>STEEL CASTINGS</u>          |                |             |         |                |             |         |
| Open hearth - Basic .....      | 734            | 5,142       | 5,876   | 659            | 3,235       | 3,894   |
| Bessemer .....                 | ...            | 246         | 246     | ...            | 279         | 279     |
| Electric .....                 | 2,056          | 10,305      | 12,361  | 1,123          | 7,725       | 8,848   |
| Total Direct Steel Castings .. | 2,790          | 15,693      | 18,483  | 1,782          | 11,239      | 13,021  |
| GRAND TOTAL .....              | 562,902        | 15,798      | 578,700 | 376,513        | 11,650      | 388,163 |

Table 6 - Average Monthly Production of Pig Iron, Steel Ingots and Castings in Canada, 1916 - 1935 (In 1000's of long tons)

| MONTHLY AVERAGE |      |       | MONTHLY AVERAGE |      |       |
|-----------------|------|-------|-----------------|------|-------|
| Years           | Iron | Steel | Years           | Iron | Steel |
| 1916 .....      | 87   | 106   | 1926 .....      | 63   | 64    |
| 1917 .....      | 87   | 130   | 1927 .....      | 59   | 76    |
| 1918 .....      | 89   | 140   | 1928 .....      | 86   | 103   |
| 1919 .....      | 68   | 77    | 1929 .....      | 91   | 115   |
| 1920 .....      | 81   | 92    | 1930 .....      | 62   | 84    |
| 1921 .....      | 50   | 56    | 1931 .....      | 36   | 56    |
| 1922 .....      | 32   | 40    | 1932 .....      | 12   | 29    |
| 1923 .....      | 75   | 74    | 1933 .....      | 19   | 34    |
| 1924 .....      | 49   | 54    | 1934 .....      | 34   | 63    |
| 1925 .....      | 48   | 63    | 1935 .....      | 50   | 78    |





1010636230

-4-

Table 7 - Production of Pig Iron by Months and by Provinces, and Steel Ingots and Castings, by Months, 1935 and 1936. (In 1000's of long tons)

| Months                | P I G I R O N |      |         |      | S T E E L    |      |              |      |
|-----------------------|---------------|------|---------|------|--------------|------|--------------|------|
|                       | NOVA SCOTIA   |      | ONTARIO |      | TOTAL CANADA |      | TOTAL CANADA |      |
|                       | 1935          | 1936 | 1935    | 1936 | 1935         | 1936 | 1935         | 1936 |
| January .....         | 17            | 18   | 27      | 43   | 44           | 61   | 60           | 100  |
| February .....        | 16            | 21   | 21      | 35   | 37           | 56   | 56           | 93   |
| March .....           | 17            | 22   | 28      | 32   | 45           | 54   | 58           | 101  |
| April .....           | 16            | 23   | 27      | 31   | 43           | 54   | 69           | 107  |
| May .....             | 16            | 27   | 29      | 32   | 45           | 59   | 73           | 95   |
| June .....            | 15            | 27   | 30      | 29   | 45           | 56   | 73           | 82   |
| July .....            | 17            |      | 34      |      | 51           |      | 86           |      |
| August .....          | 17            |      | 37      |      | 54           |      | 82           |      |
| September .....       | 17            |      | 37      |      | 54           |      | 91           |      |
| October .....         | 11            |      | 35      |      | 46           |      | 95           |      |
| November .....        | 23            |      | 42      |      | 65           |      | 94           |      |
| December .....        | 26            |      | 45      |      | 71           |      | 99           |      |
| TOTAL .....           | 208           | 138  | 392     | 202  | 600          | 340  | 936          | 578  |
| Monthly Average ..... | 17            | 23   | 33      | 34   | 50           | 57   | 78           | 94   |

Table 8 - Iron Blast Furnaces in Canada, 1936.

| Names of Companies                   | Location of furnaces   | Number of stacks | Total Daily Capacity (long tons) |
|--------------------------------------|------------------------|------------------|----------------------------------|
| Dominion Steel & Coal Corp. Ltd.     | Sydney, N.S.           | 4                | 1,450                            |
| Canadian Furnace Co. Ltd.            | Port Colborne, Ont.    | 1                | 350                              |
| The Steel Company of Canada, Limited | Hamilton, Ont.         | 2                | 825                              |
| Algoma Steel Corporation, Ltd.       | Sault Ste. Marie, Ont. | 4                | 1,600                            |

Table 9 - Description of Furnaces at end of JUNE, 1936.

| Condition of furnace           | Number of furnaces | TOTAL DAILY CAPACITY |          |
|--------------------------------|--------------------|----------------------|----------|
|                                |                    | long tons            | Per cent |
| In blast .....                 | 4                  | 1,800                | 43       |
| Banked .....                   | 1                  | 450                  | 11       |
| Blown out .....                | 6                  | 1,975                | 46       |
| Total furnaces reporting ..... | 11                 | 4,225                | 100      |

NOTE - Figures in this report are the latest available at time of printing. Where necessary, data for earlier months have been revised.