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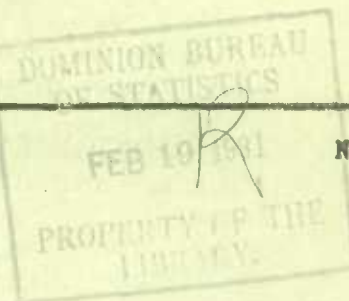
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Monthly Report
on
PRODUCTION OF IRON AND STEEL
in Canada

JANUARY 1931

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Figures in this report are the latest available at time of printing;
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DOMINION BUREAU OF STATISTICS, CANADA
DOMINION STATISTICIAN . R.H. COATS. B. A., F. S. S. (Hon.), F.R.S.C.

W. H. LOSEF, B. Sc. -- Chief of the
MINING, METALLURGICAL AND CHEMICAL BRANCH.

PRODUCTION OF IRON AND STEEL IN CANADA
JANUARY 1931

Production of pig iron in Canada at 35,592 tons during January was 7 per cent lower than the total of 38,293 tons for December and less than one-half the 87,079 tons made in January of a year ago. The recession from the previous month, which was at the rate of 87 tons a day, was due to declines in the outputs of foundry iron to 4,711 tons from 17,551 tons and basic iron to 18,966 tons from 20,116 tons, these losses being only partially offset by the advance in malleable iron to 11,915 tons from 626 tons in December.

Furnace charges for the month included 65,725 long tons of imported iron ore, 39,287 short tons of coke and 21,921 short tons of limestone. Of the coke, all of which was carbonized in Canada, 17,089 tons were from Canadian coal and the balance from imported coal; of the limestone, 6,029 tons were quarried in Canada and the balance was imported.

On January 31, the same 3 furnaces were in blast as on December 31. These active furnaces had a daily capacity of 1,400 tons, or about 33 per cent of the total capacity of all the iron blast furnaces in Canada, and were located as follows: 1 at Sydney, N.S., 1 at Hamilton, Ont., and 1 at Sault Ste. Marie, Ont.

FERRO-ALLOYS.— Production of ferro-alloys in Canada amounted to 4,467 tons in January. This tonnage represented an increase of 27 per cent over the 3,530 tons of December and was the greatest output reported since the total of 5,174 tons for last October.

STEEL INGOTS AND CASTINGS.- Production of steel ingots and direct steel castings in Canada in January amounted to 57,598 tons an advance of 3 per cent over the 56,101 tons of December but a decline of 50 per cent from the 115,200 tons reported for January, 1930. Compared with data for the previous month, the figures for January showed that the increase was entirely in steel castings which grade rose to 3,918 tons from 2,603 tons while steel ingots showed little change at 53,680 tons against 53,498 tons in December.

PRICES.- The market for pig iron was quiet during the early part of the month, with practically no movement in prices, while latterly the volume of sales increased. Buying continued along conservative lines, though stocks in hands of melters were reported low. No. 1 and No. 2 foundry pig iron prices remained unchanged at \$22.60 and \$22.10 per gross ton at Toronto and at \$24.00 and \$23.50 per gross ton at Montreal. The Bureau's index number for "Iron and Its Products" moved down from 89.0 in December to 83.7 in January, owing chiefly to price reductions of wire.

UNITED STATES.- (From "Iron Age"). January brought the first gain in pig iron production since April, 1930. Output was at the rate of 55,299 tons a day, an increase of 3 per cent as compared with 53,732 tons daily in December. All of the expansion was in the production of steel making iron, which rose 12 per cent. Merchant pig iron output suffered a further sharp decline, dropping to 9,416 tons daily in January from an average of 12,780 tons in the previous month.

Blast furnaces operating on February 1 numbered 103 as against 95 on January 1, the first gain in active capacity since March of last year. While the output for the month is noteworthy for bringing a protracted decline to a halt, it is the smallest for any January since 1922.

PIG IRON AND FERRO-ALLOYS IN CANADA

Table 1. PRODUCTION FOR THE CURRENT AND PRECEDING MONTH (Tons of 2240 lb.)

| ITEM | JANUARY 1931 | | | DECEMBER 1930 | | |
|--------------------|--------------|----------|--------|---------------|----------|--------|
| | For Own Use | For Sale | TOTAL | For Own Use | For Sale | TOTAL |
| In blast furnace: | | | | | | |
| Basic..... | 18,926 | 40 | 18,966 | 20,116 | ----- | 20,116 |
| Foundry..... | 159 | 4,552 | 4,711 | 118 | 17,433 | 17,551 |
| Malleable..... | ----- | 11,915 | 11,915 | ----- | 626 | 626 |
| TOTAL..... | 19,085 | 16,507 | 35,592 | 20,234 | 18,059 | 38,293 |
| Ferro-alloys | ----- | 4,467 | 4,467 | ----- | 3,530 | 3,530 |

Table 2. CUMULATIVE PRODUCTION FOR THE TWELVE MONTHS ENDING DECEMBER
(Tons of 2240 lb.)

| ITEM | 1930 | | | 1929 | | |
|--------------------|-------------|----------|---------|-------------|----------|-----------|
| | For Own Use | For Sale | TOTAL | For Own Use | For Sale | TOTAL |
| In blast furnace: | | | | | | |
| Basic..... | 489,686 | 6,115 | 495,801 | 748,415 | 22,063 | 770,478 |
| Foundry..... | 1,122 | 189,668 | 190,790 | 2,883 | 218,756 | 221,644 |
| Malleable..... | ----- | 60,857 | 60,857 | 2,586 | 85,452 | 88,038 |
| TOTAL..... | 490,808 | 256,640 | 747,448 | 753,889 | 326,271 | 1,080,160 |
| Ferro-alloys | ----- | 66,424 | 66,424 | ----- | 89,116 | 89,116 |

Table 3. BLAST FURNACE CHARGES - JANUARY 1931, DECEMBER AND YEAR 1930.

| | | | | YEAR |
|-------------------------|------------|--------------|---------------|-----------|
| | | JANUARY 1931 | DECEMBER 1930 | 1930 |
| Imported Iron ore..... | Long tons | 63,725 | 66,396 | 1,318,942 |
| Canadian Limestone..... | Short tons | 6,029 | 5,107 | 106,919 |
| Imported Limestone..... | " " | 15,822 | 17,578 | 295,289 |
| Coke made in Canada:- | | | | |
| From Canadian coal..... | " " | 17,089 | 19,027 | 253,735 |
| From Imported coal..... | " " | 22,198 | 21,878 | 468,469 |
| Imported coke..... | " " | ----- | 2,218 | 73,625 |

STEEL INGOTS AND CASTINGS IN CANADA

Table 4 PRODUCTION FOR THE CURRENT AND PRECEDING MONTH (Tons of 2240 lb.)

| ITEM | JANUARY 1931 | | | DECEMBER 1930 | | |
|-----------------------------|--------------|----------|--------|---------------|----------|--------|
| | For Own Use | For Sale | TOTAL | For Own Use | For Sale | TOTAL |
| STEEL INGOTS: | | | | | | |
| Open Hearth-Basic | 49,947 | 49 | 49,996 | 48,959 | 37 | 48,996 |
| Acid | ----- | ----- | ----- | ----- | ----- | ----- |
| Electric | 3,684 | ----- | 3,684 | 3,500 | ----- | 3,500 |
| Other | ----- | ----- | ----- | 1,002 | ----- | 1,002 |
| TOTAL STEEL INGOTS | 53,631 | 49 | 53,680 | 53,461 | 37 | 53,498 |
| STEEL CASTINGS: | | | | | | |
| Open Hearth-Basic | 226 | 1,661 | 1,887 | 186 | 694 | 880 |
| Acid | ----- | ----- | ----- | ----- | ----- | ----- |
| Bessemer | 5 | 153 | 158 | 3 | 169 | 172 |
| Electric | 29 | 1,844 | 1,873 | 10 | 1,541 | 1,551 |
| TOTAL DIRECT STEEL CASTINGS | 260 | 3,658 | 3,918 | 199 | 2,404 | 2,603 |
| GRAND TOTAL | 53,891 | 3,707 | 57,598 | 53,660 | 2,441 | 56,101 |

Table 5 CUMULATIVE PRODUCTION for the TWELVE MONTHS ending DECEMBER

| | 1930 | | | 1929 | | |
|-----------------------------|-------------|----------|-----------|-------------|----------|-----------|
| | For Own Use | For Sale | TOTAL | For Own Use | For Sale | TOTAL |
| STEEL INGOTS. | | | | | | |
| Open Hearth-Basic | 918,402 | 753 | 919,155 | 1,288,810 | 6,352 | 1,295,162 |
| Acid | ----- | ----- | ----- | ----- | ----- | ----- |
| Electric | 30,041 | ----- | 30,041 | 14,444 | ----- | 14,444 |
| Other | 8,234 | ----- | 8,234 | ----- | ----- | ----- |
| TOTAL STEEL INGOTS | 956,677 | 753 | 957,430 | 1,303,254 | 6,352 | 1,309,606 |
| STEEL CASTINGS: | | | | | | |
| Open Hearth-Basic | 1,858 | 24,284 | 26,142 | 10,154 | 25,652 | 35,806 |
| Acid | ----- | ----- | ----- | ----- | ----- | ----- |
| Bessemer | 49 | 2,189 | 2,238 | 66 | 2,524 | 2,590 |
| Electric | 272 | 25,661 | 25,933 | 150 | 29,872 | 30,022 |
| TOTAL DIRECT STEEL CASTINGS | 2,179 | 52,134 | 54,313 | 10,370 | 58,048 | 68,418 |
| GRAND TOTAL | 958,856 | 52,887 | 1,011,743 | 1,313,624 | 64,400 | 1,378,024 |

Table 6 AVERAGE MONTHLY PRODUCTION OF
PIG IRON, STEEL INGOTS AND CASTINGS
IN CANADA, 1916 - 1929.
(In 1000's of Long Tons)

| YEAR | MONTHLY AVERAGE | | YEAR | MONTHLY AVERAGE | |
|------|-----------------|-------|------|-----------------|-------|
| | Iron | Steel | | Iron | Steel |
| 1916 | 87 | 106 | 1923 | 73 | 74 |
| 1917 | 87 | 130 | 1924 | 49 | 54 |
| 1918 | 89 | 140 | 1925 | 48 | 63 |
| 1919 | 68 | 77 | 1926 | 63 | 64 |
| 1920 | 81 | 92 | 1927 | 59 | 76 |
| 1921 | 50 | 56 | 1928 | 85 | 103 |
| 1922 | 32 | 40 | 1929 | 91 | 115 |

TABLE 7 PRODUCTION OF PIG IRON BY MONTHS AND BY PROVINCES, AND STEEL
INGOTS AND CASTINGS BY MONTHS IN CANADA (In 1000's of
Long Tons) 1930-1931.

| MONTH | PIG IRON | | | | STEEL | | | |
|--------------------|-------------|------|---------|------|--------------|------|--------------|------|
| | Nova Scotia | | Ontario | | Total Canada | | Total Canada | |
| | 1930 | 1931 | 1930 | 1931 | 1930 | 1931 | 1930 | 1931 |
| January | 23 | 15 | 64 | 21 | 87 | 36 | 115 | 58 |
| February | 19 | | 52 | | 71 | | 107 | |
| March | 22 | | 53 | | 75 | | 117 | |
| April | 21 | | 51 | | 72 | | 103 | |
| May | 19 | | 62 | | 81 | | 99 | |
| June | 16 | | 50 | | 66 | | 95 | |
| July | 16 | | 49 | | 65 | | 68 | |
| August | 16 | | 41 | | 57 | | 58 | |
| September | 16 | | 33 | | 49 | | 56 | |
| October | 15 | | 25 | | 40 | | 65 | |
| November | 15 | | 31 | | 46 | | 72 | |
| December | 16 | | 22 | | 83 | | 56 | |
| TOTAL | 214 | 15 | 533 | 21 | 747 | 36 | 1,011 | 58 |
| MONTHLY AVERAGE | 18 | 15 | 44 | 21 | 62 | 36 | 84 | 58 |

Table 8. BLAST FURNACES IN CANADA, 1930.

| Name of Company | Location | Number of Stacks | Total Daily Capacity (Long Tons) |
|--|------------------------|------------------|----------------------------------|
| British Empire Steel Corporation, Ltd. | Sydney, N.S. | 4 | 1,450 |
| Canadian Furnace Co., Ltd. | Port Colborne, Ont. | 1 | 350 |
| The Steel Company of Canada, Ltd., | Hamilton, Ont. | 2 | 825 |
| Algoma Steel Corporation, Ltd. | Sault Ste. Marie, Ont. | 4 | 1,600 |
| TOTAL | | 11 | 4,225 |

Table 9. DESCRIPTION OF FURNACES AT END OF JANUARY, 1931.

| Condition of Furnace | Number of Furnaces | Total Daily Capacity | |
|-------------------------------|--------------------|----------------------|----------|
| | | Long tons | Per cent |
| In blast..... | 3 | 1,400 | 33 |
| Banked..... | - | - | - |
| Blown out..... | 8 | 2,825 | 67 |
| Total furnaces reporting..... | 11 | 4,225 | 100 |



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