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DOMINION BUREAU OF STATISTICS

Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

FEBRUARY, 1922

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MONTHLY REPORT
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

February - 1922.

PIG IRON AND FERRO-ALLOYS

A slight increase in the production of pig iron in Canada was noticed during February as compared with the output during the preceding month. A total of 33,572 long tons was made comprising 25,400 tons basic iron and 8,172 tons of foundry iron. Of the basic iron produced all but 51 tons was made for the further use of the firms reporting, but most of the foundry iron was made for sale, only 31 tons being retained for the use of the producing firms. In January a total of 9,047 tons of foundry iron was made for sale so that there was a slight decline in the production of this commodity during the month under review.

Ferro-alloys produced rose from 604 tons in January to 1,232 tons in the current month, the whole output as usual consisting of ferro-silicon of various grades.

There was no change in the number of furnaces active during the month, the four in blast at the beginning continuing active. These furnaces comprised two at Sydney, one at Sault Ste. Marie, and one at Hamilton.

During the month a continued though slight improvement in the demand for iron and steel products was observed. In the United States the average daily output of pig iron in February increased more than 5,000 tons over the January record, and there was a net gain of 12 furnaces blown in. The production of pig iron in Canada usually parallels the United States record very closely. The output from Canadian furnaces each month amounting to about the amount of pig iron produced daily in the United States. A continued improvement in the Canadian output may, therefore, be expected.

Table 1 (a) shows the production of pig iron by grades, and ferro-alloys during the month. For comparison Table 1 (b) shows the corresponding data for the preceding month and Table 1 (c) shows the total output of pig iron and ferro-alloys for the two months ending February.

PIG IRON AND FERRO-ALLOYS PRODUCTION (Tons of 2240 lbs.)

Table 1 (a) - February - 1922.

| | IN BLAST FURNACES | | IN ELECTRIC FURNACES | | TOTAL PRODUCTION |
|-------------------------|-------------------|----------|----------------------|----------|---------------------|
| | For Own Use | For Sale | For Own Use | For Sale | |
| PIG IRON: | | | | | |
| Basic..... | 25,349 | 51 | -- | -- | 25,400 |
| Foundry..... | 31 | 8,141 | -- | -- | 8,172 |
| Malleable..... | -- | -- | -- | -- | -- |
| Castings..... | -- | -- | -- | -- | -- |
| TOTAL PIG IRON..... | 25,380 | 8,192 | -- | -- | 33,572 |
| TOTAL FERRO-ALLOYS..... | -- | -- | -- | 1,232 | 1,232 |

Table 1 (b) - January - 1922.

| | | | | | |
|-------------------------|--------|-------|----|-----|--------|
| PIG IRON: | | | | | |
| Basic..... | 22,933 | 204 | -- | -- | 23,137 |
| Foundry..... | -- | 9,047 | -- | -- | 9,047 |
| Malleable..... | -- | -- | -- | -- | -- |
| Castings..... | -- | -- | -- | -- | -- |
| TOTAL PIG IRON..... | 22,933 | 9,251 | -- | -- | 32,184 |
| TOTAL FERRO-ALLOYS..... | -- | -- | -- | 604 | 604 |

Table 1 (c) - TOTAL for the TWO months ending February, 1922.

| | | | | | |
|-------------------------|--------|--------|----|-------|--------|
| PIG IRON: | | | | | |
| Basic..... | 48,282 | 255 | -- | -- | 48,537 |
| Foundry..... | 31 | 17,188 | -- | -- | 17,219 |
| Malleable..... | -- | -- | -- | -- | -- |
| Castings..... | -- | -- | -- | -- | -- |
| TOTAL PIG IRON..... | 48,313 | 17,443 | -- | -- | 65,756 |
| TOTAL FERRO-ALLOYS..... | -- | -- | -- | 1,836 | 1,836 |

No. of blast furnaces:

| | First of Month | End of Month |
|-------------|----------------|--------------|
| ACTIVE..... | 4 | 4 |
| IDLE..... | 16 | 16 |

Table 2 (a) shows the average monthly production of pig iron in Canada for the ten-year period from 1907 to 1916, inclusive, and Table 2 (b) shows the actual production by months for the years 1917 to date.

TABLE 2 (A), AVERAGE MONTHLY PRODUCTION OF
PIG IRON, STEEL INGOTS AND CASTINGS
IN CANADA, 1907 - 1916.

In 1000's of Long Tons

| YEAR | MONTHLY AVERAGE | | YEAR | MONTHLY AVERAGE | |
|------|-----------------|-------|------|-----------------|-------|
| | Iron | Steel | | Iron | Steel |
| 1907 | 48 | 53 | 1912 | 75 | 71 |
| 1908 | 47 | 44 | 1913 | 84 | 87 |
| 1909 | 56 | 56 | 1914 | 58 | 62 |
| 1910 | 60 | 61 | 1915 | 68 | 76 |
| 1911 | 68 | 66 | 1916 | 87 | 106 |

TABLE 2 (B) TOTAL PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS
IN CANADA BY MONTHS

From 1917 to Date

(In 1000's of Long Tons)

| MONTH | 1917 | | 1918 | | 1919 | | 1920 | | 1921 | | 1922 | |
|--------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| | Iron | Steel | Iron | Steel | Iron | Steel | Iron | Steel | Iron | Steel | Iron | Steel |
| January | 80 | 117 | 66 | 130 | 93 | 107 | 73 | 92 | 41 | 40 | 32 | 33 |
| February | 75 | 108 | 70 | 124 | 78 | 90 | 64 | 84 | 58 | 59 | 34 | 42 |
| March | 93 | 136 | 86 | 141 | 82 | 100 | 69 | 97 | 60 | 53 | | |
| April | 90 | 125 | 93 | 149 | 83 | 75 | 77 | 93 | 39 | 27 | | |
| May | 97 | 139 | 94 | 156 | 74 | 69 | 87 | 90 | 56 | 52 | | |
| June | 89 | 122 | 92 | 148 | 59 | 68 | 80 | 91 | 55 | 64 | | |
| July | 83 | 124 | 98 | 147 | 54 | 66 | 84 | 94 | 54 | 54 | | |
| August | 90 | 130 | 86 | 152 | 60 | 54 | 93 | 105 | 50 | 72 | | |
| September | 90 | 133 | 85 | 149 | 51 | 60 | 94 | 99 | 44 | 56 | | |
| October | 92 | 144 | 96 | 164 | 50 | 66 | 105 | 111 | 50 | 72 | | |
| November | 87 | 141 | 95 | 116 | 65 | 82 | 94 | 97 | 48 | 75 | | |
| December | 78 | 139 | 106 | 105 | 70 | 87 | 54 | 56 | 40 | 43 | | |
| TOTAL | 1044 | 1558 | 1067 | 1681 | 819 | 924 | 974 | 1109 | 595 | 667 | 66 | 75 |
| MONTHLY AVERAGE | 87 | 130 | 89 | 140 | 68 | 77 | 81 | 92 | 50 | 56 | 33 | 38 |

CANADIAN FIRMS PRODUCING PIG IRON, FERRO-ALLOYS AND STEEL DURING 1921

PIG IRON

Nova Scotia:

Dominion Iron and Steel Co., Ltd., Sydney.

Quebec:

Canadian Electric Steel, Ltd., Montreal.

Ontario:

Algoma Steel Corp. Ltd., Sault Ste. Marie.
Canadian Furnace Co., 1012 Marine Trust Bldg.,
Buffalo, N. Y., U.S.A.
Midland Iron and Steel Co., Ltd., Midland.
Steel Company of Canada, Hamilton.

FERRO-ALLOYS

Ontario:

Abrasive Co., of Canada, Ltd., Hamilton.
Algoma Steel Corp. Ltd., Sault Ste. Marie.
Canadian Carborundum Co., Niagara Falls.
Electro Metals Ltd., Welland.
Norton Company, Chippawa.

STEEL

Nova Scotia:

Dominion Iron and Steel Co., Ltd., Sydney.

Quebec:

Beauchemin & Fils 2 rue Limoges, Sorel.
Canadian Brakeshoe Co., Sherbrooke.
Canadian Electric Steel, Ltd., Montreal.
Canadian Steel Foundries, Ltd., (Longue Pointe)
(Point St. Charles) Montreal.
Davidson Mfg. Co., Ltd., Thos., Montreal.
Drolet, La Cie F. X., Quebec.
Hull Iron and Steel Foundries, Ltd., Hull.
Joliette Castings & Forgings Co., Ltd., Joliette.
National Farming Machinery Ltd., Montmagny.

Ontario:

Algoma Steel Corp. Ltd., Sault Ste. Marie.
Baldwin's Canadian Steel Corp., Toronto.
Dominion Foundries & Steel, Ltd., Hamilton.
Kennedy & Sons, Wm., Owen Sound.
Midland Iron & Steel Co., Ltd., Midland.
Steel Company of Canada, Ltd., Hamilton.
Swedish Crucible Steel Co. of Canada, Windsor.

Manitoba:

Manitoba Steel Foundries Ltd., Winnipeg.

British Columbia:

Opsal Steel Co., Ltd., Vancouver.
Vancouver Engineering Works, Vancouver.

STEEL INGOTS AND CASTINGS

The output of steel ingots and castings in Canada was 9,000 tons higher in February than in the preceding month, the total output amounting to 42,388 long tons, comprising 40,939 tons of ingots and 1,449 tons of direct steel castings. Almost the whole of the production of steel ingots was produced by the basic open-hearth process, there being only 4 tons of bessemer steel ingots produced during the month. Practically the entire production was made for further use by the producing firms. Of the direct steel castings made, 1,337 tons was made for sale, and 112 tons was used in further steel work by the makers.

A total of 545 tons of basic open-hearth steel castings was made, most of which was sold, only 73 tons being used by the producers. Bessemer castings amounted to 132 tons, practically all of which was made for direct sale.

Electric steel castings produced during the month totalled 772 tons, as compared with 856 tons in January, as in the preceding month practically the whole quantity was produced for direct sale.

There was little improvement in the steel markets of Canada, although inquiries were reported as more numerous. A very little shading in prices was occasionally noted, but the feeling seemed general that a slight increase in the price might have the effect of stiffening the market and of generally improving the tone. The slight advance in iron prices on American markets during the last week of the month was possibly due to similar causes. The market outlook seemed improved at the end of the month.

Table 3 (a) shows the production of steel ingots and castings in Canada during the month just closed and the month immediately preceding. For reference Table 3 (b) shows the total production by grades of steel ingots and castings during the two months ending February.

Table 3 (a)

PRODUCTION OF STEEL INGOTS AND CASTINGS IN CANADA
FOR THE CURRENT AND PRECEDING MONTH
(Tons of 2240 lbs.)

| | JANUARY | | | FEBRUARY | | |
|--------------------------------|----------------|----------|--------|----------------|----------|--------|
| | For Own Use | For Sale | Total | For Own Use | For Sale | Total |
| STEEL INGOTS: | | | | | | |
| Open Hearth-Basic | 31,160 | ----- | 31,160 | 40,935 | ----- | 40,935 |
| Acid | ----- | ----- | ----- | ----- | ----- | ----- |
| Bessemer | 1 | 2 | 3 | 1 | 3 | 4 |
| Electric | ----- | ----- | ----- | ----- | ----- | ----- |
| TOTAL STEEL INGOTS | 31,161 | 2 | 31,163 | 40,936 | 3 | 40,939 |
| STEEL CASTINGS: | | | | | | |
| Open Hearth-Basic | 64 | 838 | 902 | 73 | 472 | 545 |
| Acid | ----- | ----- | ----- | ----- | ----- | ----- |
| Bessemer | 1 | 89 | 90 | 3 | 129 | 132 |
| Electric | 9 | 847 | 856 | 36 | 736 | 772 |
| TOTAL DIRECT STEEL CASTINGS | 74 | 1,774 | 1,848 | 112 | 1,337 | 1,449 |
| GRAND TOTAL | 31,235 | 1,776 | 33,011 | 41,048 | 1,340 | 42,388 |

Table 3 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the TWO MONTHS ending FEBRUARY, 1922.

| | For Own Use | For Sale | Total Production |
|--------------------------------|-------------|----------|------------------|
| STEEL INGOTS: | | | |
| Open Hearth-Basic | 72,095 | ----- | 72,095 |
| Acid | ----- | ----- | ----- |
| Bessemer | 2 | 5 | 7 |
| Electric | ----- | ----- | ----- |
| TOTAL STEEL INGOTS | 72,097 | 5 | 72,102 |
| STEEL CASTINGS: | | | |
| Open Hearth-Basic | 137 | 1,310 | 1,447 |
| Acid | ----- | ----- | ----- |
| Bessemer | 4 | 218 | 222 |
| Electric | 45 | 1,583 | 1,628 |
| TOTAL DIRECT STEEL CASTINGS | 186 | 3,111 | 3,297 |
| GRAND TOTAL | 72,283 | 3,116 | 75,399 |

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