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DOMINION BUREAU OF STATISTICS - CANADA
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PRODUCTION OF IRON AND STEEL IN CANADA

FEBRUARY, 1934.

PIG IRON - Production of pig iron in Canada at 12,199 long tons during February was 60 per cent below the January output of 30,677 tons and almost double the 6,144 tons reported for February of a year ago. The decline from the previous month was in basic iron to 9,281 tons from 23,930 tons and in foundry iron to 603 tons from 4,617 tons, while the output of malleable iron rose slightly to 2,315 tons from 2,130 tons.

Furnace charges during the month included 21,898 long tons of imported iron ore, 6,377 short tons of limestone and 13,359 short tons of coke. During the month one furnace at Hamilton, Untario, was blown out, leaving only one furnace in Canada in blast on February 28th. The active furnace had a capacity of 450 tons a day and was located at Sault Ste. Marie, Ont.

FERRO-ALLOYS - During February the output of ferro-alloys in Canada amounted to 1,620 tons and consisted largely of the spiegeleisen grade. The corresponding total for January was reported at 1,814 tons and in February, 1933, at 1,076 tons.

STEEL INGOTS AND CASTINGS - Production of steel ingots and castings in Canada during February at 57,999 tons compares with 60,787 tons in January and 12,374 tons in February, 1933, but due to February being a short month the rate of output exceeded that of January by 110 tons a day.

PRICES - Comparatively firm prices characterized Canadian iron and steel markets in February. Mills reported an improvement in the volume of business done, with both export and domestic trade well sustained. In the latter case the chief source of demand was furnished by the automobile and the mining industries. The Dominion Bureau of Statistics index number of wholesale prices of "Iron and Its Products" on the base 1926 = 100, rose from 86.6 in January to 87.0 in February, due chiefly to higher prices for scrap iron and steel. No changes were recorded in foundry pig iron quotations. No. 1 and No. 2 foundry pig iron, delivered at Montreal, were each \$22.00 per gross ton. No. 1 delivered at Toronto was \$20.50 and No. 2 was \$20.00 per gross ton.

ONITED STATES — In the United States the production of coke pig iron during February averaged 45,131 tons a day, a gain of 15.1 per cent over the January daily rate of 39,301 tons. During the month 7 furnaces were blown in and 5 were blown out or banked, making a net gain of 2 active furnaces.

(a) PIG IRON AND FERRO ALLOYS IN CANADA

| Use Sale TUTAL Use Sale TUTAL | Table 2 - Cumulative Production for the Two Months ending February (Tons of 2,240 lb.) ToTAL | · A |
|--|--|--------|
| Sale TOTAL USE Sale TOTAL USE Sale TOTAL In blast furnace: | Sale TOTAL Use Sale TO | 生0 |
| Basic 9,281 9,281 23,930 23,930 Foundry 603 603 4,617 4,617 Malleable 277 2,038 2,315 2,130 2,130 TOTAL 9,558 2,641 12,199 25,930 6,747 30,677 Ferro alloys 1,620 1,620 1,814 1,814 Pable 2 - Cumulative Production for the Two Months ending February (Tons of 2,240 1b.) The state of the Total series of the | In blast furnace: Basic | TAT. |
| Basic | Basic | 7.77.6 |
| Foundry 603 605 4,617 4,617 Melleable 277 2,038 2,315 2,130 2,130 TOTAL 9,558 2,641 12,199 25,930 6,747 30,677 Ferro-alloys 1,620 1,620 1,814 1,814 Cable 2 - Cumulative Production for the Two Months ending February | Foundry | |
| Foundry 603 605 4,617 4,617 Melleable 277 2,038 2,315 2,130 2,130 TOTAL 9,558 2,641 12,199 25,930 6,747 30,677 Ferro-alloys 1,620 1,620 1,814 1,814 Cable 2 - Cumulative Production for the Two Months ending February | Foundry | ,930 |
| Malleable | Table 2 - Cumulative Production for the Two Months ending February (Tons of 2,240 lb.) Item For own For use sale ToTAL use sale To In blast furnace: Basic | |
| Cable 2 - Cumulative Production for the Two Months ending February (Tons of 2,240 lb.) 1 9 3 4 1 9 3 3 Item For own For use sale TOTAL use sale TOTAL In blast furnace: Basic | Ferro alloys | |
| Table 2 Cumulative Production for the Two Months ending February Tons of 2,240 lb. 1 9 3 3 1 9 3 3 | Table 2 - Cumulative Production for the Two Months ending February (Tons of 2,240 lb.) 1 9 3 4 1 9 3 3 Item For own For For own For use sale TUTAL use sale TUTAL In blast furnace:- Basic | ,677 |
| Tons of 2,240 lb. 1 9 3 4 | Table 3 - Iron Blast Furnace Charges, February, January and Year to date. Tomax of 2,240 lb.) 1 9 3 4 1 9 3 3 For own For For own For use sale ToTAL use sale To sale To sale Total use sale To sal | ,814 |
| Tons of 2,240 lb. 1 9 3 4 | Table 3 - Iron Blast Furnace Charges, February, January and Year to date. Total Tomax of 2,240 lb.) 1 9 3 4 1 9 3 3 For own For For own For use sale Total use sale Tota | |
| For own use Sale ToTAL Sale ToTAL Sale ToTAL | Item For own use For own sale For own use For own use For own sale For own use For own use <t< td=""><td></td></t<> | |
| use sale TOTAL use sale TOTAL In blast furnace:- Basic | use sale TOTAL use sale TOTAL In blast furnace:- Basic 33,211 33,603 33,211 33,603 500 Malleable 277 4,168 4,445 1,250 1 TOTAL 33,488 9,388 42,876 33,603 1,750 35 February 3,434 2,293 2 Table 3 - Iron Blast Furnace Charges, February, January and Year to date. February January Year to | |
| Basic | In blast furnace: - Basic | |
| Basic | Basic 33,211 33,603 33 Foundry 5,220 5,220 500 Malleable 277 4,168 4,445 1,250 1 TOTAL 33,488 9,388 42,876 33,603 1,750 35 Ferro-alloys 3,434 3,434 2,293 2 Table 3 - Iron Blast Furnace Charges, February, January and Year to date. February January Year to | TAL |
| Foundry | Foundry 5,220 5,220 500 Malleable 277 4,168 4,445 1,250 1 TOTAL 33,488 9,388 42,876 33,603 1,750 35 Ferro-alloys 3,434 3,434 2,293 2 Table 3 - Iron Blast Furnace Charges, February, January and Year to date. February January Year to | |
| Foundry | Foundry 5,220 5,220 500 Malleable 277 4,168 4,445 1,250 1 TOTAL 33,488 9,388 42,876 33,603 1,750 35 Ferro-alloys 3,434 3,434 2,293 2 Table 3 - Iron Blast Furnace Charges, February, January and Year to date. February January Year to | 603 |
| Malleable | Malleable 277 4,168 4,445 1,250 1 TOTAL 33,488 9,388 42,876 33,603 1,750 35 Ferro-alloys 3,434 3,434 2,293 2 Table 3 - Iron Blast Furnace Charges, February, January and Year to date. February January Year to | |
| TOTAL 33,488 9,388 42,876 33,603 1,750 35,353 Ferro-alloys 3,434 3,434 2,293 2,293 Fable 3 - Iron Blast Furnace Charges, February, January and Year to date. February January 1934 1934 Imported iron ore long ton 21,898 52,056 73,954 Canadian limestone short ton 1,659 3,958 5,617 Imported limestone short ton 4,718 16,257 20,975 Coke made in Canada From Canadian coal short ton 13,359 19,471 32,830 | TOTAL 33,488 9,388 42,876 33,603 1,750 35 Ferro-alloys 3,434 3,434 2,293 2 Table 3 - Iron Blast Furnace Charges, February, January and Year to date. February January Year to | 250 |
| February January and Year to date. February January Year to date 1934 1934 Imported iron ore | Table 3 - Iron Blast Furnace Charges, February, January and Year to date. February January Year to | ,353 |
| February January Year to date 1934 1934 Imported iron ore | February January Year to | 2,293 |
| Imported iron ore | | deta |
| Canadian limestone | | |
| Canadian limestone | Imported iron ore | 54 |
| Imported limestone | * | |
| From Canadian coal | | |
| From imported coal short ton 13,359 19,471 32,830 | Coke made in Canada | 20.4 |
| | | |
| Imported coke short ton | | 130 |
| | Imported coke short ton | 0.0 |

(b) STEEL INGUTS AND DIRECT CASTINGS

| Table 4 - Production for the Cu | rrent Mont | n and Pre | ceding Mor | th (To | ns of 2 ARY, | ,240 lb.) |
|--|--|-----------|-----------------------------------|------------|-----------------|--|
| | | RUAR | | | | 1934 |
| Item | For own | For | | For own | | m. mar |
| | use | sale | TOTAL | use | sale | TOTAL |
| | | | | | | |
| STEEL INGUTS | | | | | | |
| Open hearth - Basic | 55,050 | 0 2 0 | 55,050 | 57,776 | 000 | 57,776 |
| Acid | 000 | 6 6 0 | 0 0 0 | 0 0 0 | 0 0 0 | |
| Electric | 1,622 | | 1,622 | 1,495 | | 1,495 |
| Other | | | | 400 | 0 0 0 | 0.00 |
| Total Steel Ingots | 56,672 | 000 | 56,672 | 59,271 | | 59,271 |
| STEEL CASTINGS | | | | | | |
| The state of the s | 70 | 372 | 442 | 93 | 464 | 557 |
| Open hearth - Basic | | | | | | |
| Acid | | 20 | 7.0 | 0 0 0 | 70 | *** |
| Bessemer | 20 | 36 | 36 | 4.7 | 30 | 30 |
| Hectric | 39 | 810 | 849 | 47 | 882 | 929 |
| Total Direct Steel Castings. | 109 | 1,218 | | 140 | 1,376 | 1,516 |
| GRAND TOTAL | 56,781 | 1,218 | 57,999 | 59,411 | 1,376 | 60,787 |
| Table 5 - Cumulative Production | for the T | wo Months | ending Fe | ebruary | | |
| COLO O VORIGEROL VI - 1-00 - V VIII | 1 | 9 3 | 4 | 1 | 9 3 | 3 |
| I tem | For own | For | | For own | For | |
| · Com | use | sale | TOTAL | | sale | TOTAL |
| | | | mount to passenger or commentered | | | and the second s |
| STEEL INGOTS | | | | | | |
| pen hearth - Basic | 112,826 | 000 | 112,826 | 47,889 | 30 | 47,919 |
| Acid | | 000 | 0 0 0 | 000 | | 9 0 0 |
| Electric | 3,117 | 0 0 0 | 3,117 | 2,848 | 0 0 0 | 2,848 |
| other | | 000 | 0 0 0 | 000 | | 9 0 0 |
| Total Steel Ingots | 115,943 | 000 | 115,943 | 50,737 | 30 | 50,767 |
| STEEL CASTINGS | | | | | | |
| Open hearth - Basic | 163 | 836 | 999 | 24 | 712 | 736 |
| Acid | | | • • • | 000 | | , , |
| | | 66 | 66 | 1 | 89 | 90 |
| Bessemer | 86 | 1,692 | 1,778 | 50 | 1,497 | 1,547 |
| Clectric Total Direct Steel Castings. | 249 | 2,594 | 2,843 | 75 | 2,298 | 2,373 |
| | Comment of the Commen | | 118,786 | 50,812 | 2,328 | 53,140 |
| GRAND TOTAL | 116,192 | 2,594 | 110,100 | 00,012 | 2,020 | 00,110 |
| Table 6 Average Monthly Produ | etion of P | ic Iron | Steel Inco | nts and Co | stings | in Canada |
| | 32. (In | | | | DATHER . | Lit Guiterates |
| 1910 ··· 10 | Monthly | | 1 1011 001 | 40/ | Ma | nthly Averag |
| Vocas | Iron | Steel | Years | | Ir | |
| Years | 11011 | Preer | rears | | -1 | VII 0 630 |
| 1010 | 07 | 106 | 1025 | | | 48 6 |
| 1916 | 87 | 106 | | | | |
| 1917 | 87 | 130 | | | | 63 6 |
| 1918 | 89 | 140 | | | | 59 7 |
| 1919 | 68 | 77 | | 000000000 | | 36 10 |
| 1920 | 81 | 92 | | | | 91 11 |
| 1921 | 50 | 56 | | | | 62 8 |
| 1922 | 32 | 40 | | | | 36 5 |
| 1007 | 72 | 7.4 | 1039 | | | 19 |

1932

Table 7 - Production of Pig Iron by Months and by Provinces, and Steel Ingots and Castings by Months in Canada, 1933 and 1934. (In 1000's of long tons)

| CASCILLS DA MOT | CRAD LA | 1 CELLCON ! | TOOC MIL | 10010 | 7-11 -00 | 9 9 2 : | -011 | |
|-----------------|---------|-------------|----------|-------|----------|---------|------------|--------|
| | | PI | G I | R O | N | | STE | EL |
| Months | NOVA | SCOTIA | ONTA | RIO | TUTAL | CANADA | TOTAL | CANADA |
| | 1933 | 1934 | 1933 | 1934 | 1933 | 1934 | 1933 | 1934 |
| | | | | | | | | |
| January | 16 | 12 | 13 | 19 | 29 | 31 | 41 | 61 |
| February | 6 | | | 12 | 6 | 12 | 12 | 58 |
| March | | | | | | | 11 | |
| April | | | | | | | 12 | |
| May | | | | | | | 23 | |
| June | 1 | | | | 1 | | 32 | |
| July | 16 | | 16 | | 32 | | 49 | |
| August | 16 | | 19 | | 35 | | 49 | |
| September | 16 | | 15 | | 31 | | 3 8 | |
| October | 17 | | 10 | | 27 | | 48 | |
| November | 16 | | 14 | | 30 | | 43 | |
| December | 15 | | 23 | | 38 | | 50 | |
| TOTAL | 119 | 12 | 110 | 31 | 229 | 43 | 408 | 119 |
| Monthly Average | 10 | 6 | 9 | 15 | 19 | 21 | 34 | 59 |

Table 8 - Iron Blast Furnaces in Canada, 1933.

| Name of Company | Location | Number of Stacks | Total Daily Capacity (Long tons) |
|---|--|---------------------|----------------------------------|
| British Empire Steel Corp. Ltd. Canadian Furnace Co. Ltd. The Steel Company of Canada, Ltd. Algoma Steel Corp. Ltd. | Sydney, N.S. Port Colborne, Unt. Hamilton, Unt. Sault Ste. Marie, Un | 4 1 2 t. 4 | 1,450 350 825 1,600 |

Table 9 - Description of Furnaces at end of February, 1934.

| | Number of | Total Daily Capacity | | |
|--------------------------|-----------|----------------------|----------|--|
| Condition of furnace | furnaces | Long tons | Per cent | |
| In blast | 1 | 450 | 11 | |
| Banked | 1 | 550 | 13 | |
| Blown out | 9 | 3,225 | 76 | |
| 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.

