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Monthly Report

on

PRODUCTION OF IRON AND STEEL

in Canada

JULY 1932

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DOMINION BUREAU OF STATISTICS - CANADA
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JULY. 1932.

Iron blast furnace charges during July included 13,102 long tons of imported iron ore, 3,092 short tons of limestone from Canadian quarries, and 7,327 tons of coke all of which was made in Canada from imported bituminous coal. For the first seven months of this year 146,132 tons of ore, 87,826 tons of coke and 40,495 tons of limestone were charged to iron blast furnaces in Canada to make 84,518 tons of pig iron. During the corresponding period of 1931 the output of pig iron totalled 339,525 tons and in 1930 it amounted to 515,862 tons.

FERRO-ALLOYS - Output of Ferro alloys in July totalled 892 long tons making a total of 9,651 tons for the seven months ending July. Last year the July figure was 3,262 tons and the seven months total was 26,146 tons.

For the first seven months of this year the output of primary steel totalled 207,994 tons as compared with 506,974 tons and 705,037 tons during the corresponding periods of 1931 and 1930, respectively. Included in the 1932 figures were 200,712 tons of ingots and 7,282 tons of castings.

PRICES -- Only minor price changes characterized the iron and steel products group during July. Orders for small spot tonnages continued, with little new business in sight. Plant operations were estimated at between 15 per cent and 20 per cent of capacity. No. 1 and No. 2 foundry pig iron were unchanged at \$22.60 and \$22.10 per gross ton, delivered at Toronto, and \$23.80 and \$23.30 per gross ton respectively, delivered at Montreal. The Bureau's index number for "Iron and Its Products" on the base 1926 = 100, moved down from 86.6 in June to 86.4 in July, due chiefly to price recessions for automobile body plates and steel sheets.

UNITED STATES In the United States the daily output of pig iron in July averaged 18,461 tons, a loss of nearly 12 per cent from the 20,935 tons made during each day of June. The total number of furnaces in operation on August 1 was unchanged from the 46 active on July 1, as 5 furnaces were blown in during the month to balance the 5 blown out or banked.

PIG IRON AND FERRO ALLOYS IN CANADA

Table 1 PRODUCTION FOR THE CURRENT AND PRECEDING MONTH (tons of 2,240 lb.)

| Item | J U L Y, 1932 | | | J U N E, 1932 | | |
|---------------------|----------------|-------------|-------|----------------|-------------|-------|
| | For own use | For sale | TOTAL | For own use | For sale | TOTAL |
| In blast furnaces:- | | | | | | |
| Basic | 7,317 | ... | 7,317 | 6,894 | ... | 6,894 |
| Foundry | ... | ... | ... | ... | ... | ... |
| Malleable | ... | ... | ... | ... | 1,269 | 1,269 |
| TOTAL | 7,317 | ... | 7,317 | 6,894 | 1,269 | 8,163 |
| Ferro-alloys | ... | 892 | 892 | ... | 893 | 893 |

Table 2 CUMULATIVE PRODUCTION FOR THE SEVEN MONTHS ENDING JULY (tons of 2,240 lb.)

| Item | 1 9 3 2 | | | 1 9 3 1 | | |
|--------------------|----------------|-------------|--------|----------------|-------------|---------|
| | For own use | For sale | TOTAL | For own use | For sale | TOTAL |
| In blast furnace:- | | | | | | |
| Basic | 55,538 | ... | 55,538 | 260,062 | 1,952 | 262,014 |
| Foundry | 111 | 15,043 | 15,154 | 647 | 49,743 | 50,390 |
| Malleable | ... | 13,826 | 13,826 | ... | 27,121 | 27,121 |
| TOTAL | 55,649 | 28,869 | 84,518 | 260,709 | 78,816 | 339,525 |
| Ferro-alloys | ... | 9,651 | 9,651 | ... | 26,146 | 26,146 |

Table 3 BLAST FURNACE CHARGES, JULY, JUNE, AND YEAR TO DATE

| | | JULY | JUNE | YEAR TO DATE |
|--------------------------|------------|--------|--------|--------------|
| Imported iron ore | long tons | 13,102 | 14,137 | 146,132 |
| Canadian limestone | short tons | 3,092 | 3,016 | 26,764 |
| Imported limestone | short tons | ... | 728 | 13,731 |
| Coke made in Canada:- | | | | |
| From Canadian coal | short tons | ... | ... | ... |
| From imported coal | short tons | 7,327 | 8,640 | 87,826 |
| Imported coke | short tons | ... | ... | ... |

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STEEL INGOTS AND CASTINGS IN CANADA

Table 4 - PRODUCTION FOR THE CURRENT MONTH AND PRECEDING MONTH (Tons of 2,240 lb.)

| Item | J U L Y, 1932 | | | J U N E, 1932 | | |
|--------------------------------------|----------------|-------------|--------|----------------|-------------|--------|
| | For own use | For sale | TOTAL | For own use | For sale | TOTAL |
| <u>STEEL INGOTS</u> | | | | | | |
| Open hearth - Basic | 25,051 | ... | 25,051 | 15,860 | ... | 15,860 |
| Acid | ... | ... | ... | ... | ... | ... |
| Electric | 1,305 | ... | 1,305 | 1,323 | ... | 1,323 |
| Other | ... | ... | ... | ... | ... | ... |
| TOTAL STEEL INGOTS .. | 26,356 | ... | 26,356 | 17,183 | ... | 17,183 |
| <u>STEEL CASTINGS</u> | | | | | | |
| Open hearth - Basic | 37 | 236 | 267 | 5 | 183 | 188 |
| Acid | ... | ... | ... | ... | ... | ... |
| Bessemer | ... | 84 | 84 | 2 | 77 | 79 |
| Electric | 19 | 780 | 799 | 14 | 654 | 668 |
| TOTAL DIRECT STEEL CASTINGS | 50 | 1,100 | 1,150 | 21 | 914 | 935 |
| GRAND TOTAL | 26,406 | 1,100 | 27,506 | 17,204 | 914 | 18,118 |

Table 5 - CUMULATIVE PRODUCTION FOR THE SEVEN MONTHS ENDING JULY.

| Item | 1 9 3 2 | | | 1 9 3 1 | | |
|--------------------------------------|----------------|-------------|---------|----------------|-------------|---------|
| | For own use | For sale | TOTAL | For own use | For sale | TOTAL |
| <u>STEEL INGOTS</u> | | | | | | |
| Open hearth - Basic | 188,746 | 512 | 189,258 | 461,347 | 373 | 461,720 |
| Acid | ... | ... | ... | ... | ... | ... |
| Electric | 11,454 | ... | 11,454 | 16,606 | ... | 16,606 |
| Other | ... | ... | ... | ... | ... | ... |
| TOTAL STEEL INGOTS .. | 200,200 | 512 | 200,712 | 477,953 | 373 | 478,326 |
| <u>STEEL CASTINGS</u> | | | | | | |
| Open hearth - Basic | 333 | 1,603 | 1,942 | 1,012 | 11,593 | 12,605 |
| Acid | ... | ... | ... | ... | ... | ... |
| Bessemer | 66 | 519 | 585 | 29 | 892 | 921 |
| Electric | 252 | 4,503 | 4,755 | 136 | 14,986 | 15,122 |
| TOTAL DIRECT STEEL CASTINGS | 657 | 6,625 | 7,282 | 1,177 | 27,471 | 28,648 |
| GRAND TOTAL | 200,857 | 7,137 | 207,994 | 479,130 | 27,844 | 506,974 |

Table 6 - AVERAGE MONTHLY PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS IN CANADA,
1916 - 1930

(In 1000's of Long Tons)

| Year | MONTHLY AVERAGE | | Year | MONTHLY AVERAGE | |
|------------|-----------------|-------|------------|-----------------|-------|
| | Iron | Steel | | Iron | Steel |
| 1916 | 87 | 106 | 1924 | 49 | 54 |
| 1917 | 87 | 130 | 1925 | 48 | 63 |
| 1918 | 89 | 140 | 1926 | 63 | 64 |
| 1919 | 68 | 77 | 1927 | 59 | 76 |
| 1920 | 81 | 92 | 1928 | 86 | 103 |
| 1921 | 50 | 56 | 1929 | 91 | 115 |
| 1922 | 32 | 40 | 1930 | 62 | 84 |
| 1923 | 73 | 74 | | | |

Table 7 - PRODUCTION OF PIG IRON BY MONTHS AND BY PROVINCES, AND STEEL INGOTS AND
CASTINGS BY MONTHS IN CANADA, 1931-1932. (In 1000's of Long Tons)

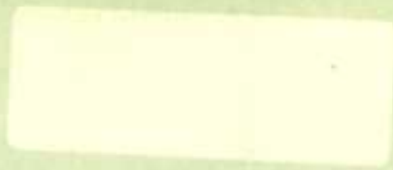
| Month | P I G I R O N | | | | S T E E L | | | |
|-----------------------|---------------|------|---------|------|--------------|------|--------------|------|
| | NOVA SCOTIA | | ONTARIO | | TOTAL CANADA | | TOTAL CANADA | |
| | 1931 | 1932 | 1931 | 1932 | 1931 | 1932 | 1931 | 1932 |
| January | 15 | ... | 21 | 10 | 36 | 10 | 58 | 25 |
| February | 14 | ... | 32 | 11 | 46 | 11 | 83 | 28 |
| March | 17 | ... | 40 | 18 | 75 | 18 | 99 | 44 |
| April | 17 | ... | 37 | 17 | 54 | 17 | 91 | 36 |
| May | 15 | ... | 36 | 13 | 51 | 13 | 75 | 29 |
| June | 15 | ... | 41 | 8 | 56 | 8 | 56 | 18 |
| July | 8 | ... | 32 | 7 | 40 | 7 | 45 | 28 |
| August | .. | .. | 23 | .. | 23 | .. | 52 | .. |
| September | .. | .. | 18 | .. | 18 | .. | 33 | .. |
| October | .. | .. | 12 | .. | 12 | .. | 31 | .. |
| November | .. | .. | 14 | .. | 14 | .. | 28 | .. |
| December | .. | .. | 14 | .. | 14 | .. | 21 | .. |
| TOTAL | 101 | ... | 320 | 84 | 421 | 84 | 672 | 208 |
| MONTHLY AVERAGE | 8 | .. | 27 | 12 | 36 | 12 | 56 | 30 |

TABLE 8 - BLAST FURNACES IN CANADA, 1931.

| 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 Company, 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 |

Table 9 - DESCRIPTION OF FURNACES AT END OF JULY, 1932.

| Condition of Furnace | Number of Furnaces | Total Daily Capacity | |
|--------------------------------|-----------------------|----------------------|----------|
| | | Long tons | Per cent |
| In blast | 1 | 550 | 13 |
| Banked | ... | ... | ... |
| Blown out | 10 | 3,675 | 87 |
| TOTAL FURNACES REPORTING | 11 | 4,225 | 100 |



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