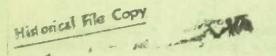
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DEPARTMENT OF TRADE AND COMMERCE

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Monthly Report

on

PRODUCTION OF IRON AND STEEL

in Canada

SEPTEMBER 1932

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

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

SEPTEMBER, 1932

PIG IRON - Production of pig iron in Canada during September, a 30-day month, at 5,709 long tons showed little change from the rate of the previous month when during the 31 day period a total of 5,992 tons were made. While the August tonnage consisted of only 89 tons of basic iron and 5,903 tons of foundry iron, the entire September output of 5,709 tons was of the basic grade and was intended for the further use of the producer.

Iron blast furnace charges during the month included 9,614 long tons of imported iron ore, 2,601 short tons of Canadian limestone and 5,635 short tons of Canadian coke carbohized from imported coal. For the first nine months of this year a total of 166,436 tons of iron ore, 45,448 tons of limestone and 100,359 tons of coke were charged to iron blast furnaces in Canada to make 96,219 tons of pig iron.

One 550-ton iron blast furnace was operating in Canada at the end of September.

FERRO-ALLOYS - Production of ferro-alloys in Canada at 732 tons in September compares with a total of 871 tons during August. This month's output was made up principally of ferro-manganese with a small quantity of ferro-silicon.

STEEL INCOTS AND CASTINGS — Production of steel ingots and castings in Canada amounted to 23,139 tons in September as compared with 26,710 tons produced in the previous month. The decline from August was mostly in the B.O.H. ingot grade which dropped to 20,183 tons from 24,359 tons while electric ingots advanced to 2,095 tons from 1,365 tons and direct steel castings showed little change at 861 tons as against 879 tons. For the nine months ending September of this year the cumulative output of steel ingots and steel castings totalled 257,843 tons and included 248,821 tons of ingots and 9,022 tons of castings.

PRICES - Only minor price changes were recorded in iron and steel products in September, but it was generally considered that conditions showed some improvement. Orders for small spot tonnages were fairly well maintained, and some plants which had been temporarily closed, again resumed operations. Quotations for No. 1 and No. 2 foundry pig iron were unchanged. The former was \$22.60 at Toronto, and \$23.80 per gross ton at Montreal, and the latter averaged \$22.10 and \$23.30 per gross ton, at these respective centres. The Bureau's index number for "Iron and Its Products" on the base 1926 = 100, moved down fractionally from 86.1 in August to 85.9 in the following month. Lower prices for steel tank plates and for hot rolled and annealed steel sheets, were chiefly responsible for the decline.

UNITED STATES — In the United States the average output of 19,753 tons a day in September represented a gain of 15.4 per cent over the daily rate of 17,115 tons in August. The increase was the first since last February and the second since April, 1 31. During the month 9 furnaces were blown in and 4 shut down leaving 47 furnaces in

operation on October 1. According to the "Iron Age" most of the acceleration in the steel business continues to come from miscellaneous consumers and in small lots for immediate shipment.

| | PIG IRON A | ND FERRO-AL | LOYS IN CANA | DA. | | |
|----------------------------------|-----------------------|--|--------------|------------------|---------------|------------------|
| Table 1 - PRODUCTION | | | | | 2,240 lb | |
| The | SEPTE | The second living the second l | 932 | A U G For own | UST, | 1932 |
| Item | For own use | For sale | TOTAL | use | For sale | TOTAL |
| In blast furnace:- | | | | | | |
| Basic | 5,709 | • • • | 5,709 | 89 | | 89 |
| Foundry | 000 | • • • | ₩ 0 0 | • • • | 5,903 | 5,903 |
| TOTAL | 5,709 | 0 0 0 | 5,709 | 89 | 5,903 | 5,992 |
| , TOTAL | 0,100 | 0 0 0 | 0,100 | | 0,500 | 0,000 |
| Ferro-alloys | 309 | 732 | 732 | • • • | 871 | 871 |
| | 3 743 | | | | | |
| Table 2 - CUMULATIVE | | the same of the sa | MONTHS ENDI | | | f 2,240 lb.) |
| Item | For own | 9 3 2 For | | For own | 9 3 1 For | |
| TOOM | use | sale | TOTAL | use | sale | TOTAL |
| In blast furnace:- | | | | | | |
| Basic | 61,336 | 900 | 61,336 | 283,427 | 3,413 | 286,840 |
| Foundry | 111 | 20,946 | 21,057 | 718 | 65,468 27,296 | 66,186 27,296 |
| TOTAL | 61,447 | 34,772 | 96,219 | 284,145 | 96,177 | 380,322 |
| Ferro-alloys | 000 | 11,254 | 11,254 | ••• | 40,094 | 40,094 |
| | | | | | | |
| Table 3 - BLAST FURN | ACE CHARGES, | SEPTEMBER. | AUGUST, AND | YEAR TO DAT | E. | |
| | | | SEPTEMBER | AUGU | ST | YEAR TO DATE |
| Imported iron ore | 20000000000 | ong tons | 9,614 | 10,6 | 90 | 166,436 |
| Canadian limestone . | | short tons | 2,601 | 2,3 | | 31,717 |
| Imported limestone . | 0 0 0 0 0 0 0 0 0 0 0 | short tons | 5 0 0 | • | • • | 13,731 |
| Coke made in Canadas | s.400 | | | | | |
| From Canadian coal | | | * * * * * | | • • | 0 0 0 |
| From imported coal Imported coke | | | 5,635 | 6,8 | | 100,359 |
| Imported cove | | TOTO OTTO | • • • | | • • | 0 0 0 |

| Item | For own | For | | For own | For | |
|--|------------------------------------|---------------------------------|---|---|---|--|
| Loem | use | sale | TOTAL | use | sale | TOTAL |
| STEEL INGOTS | | | | | | |
| pen hearth - Basic | 20,183 | 200 | 20,183 | | 107 | 24,466 |
| Acid | 2,095 | 0 0 0 | 2,095 | 1,365 | 000 | 1,365 |
| TOTAL STEEL INGOTS | 22,278 | 3 3 3 | 22,278 | 25,724 | 107 | 25,831 |
| STEEL CASTINGS | | | | | | |
| pen hearth - Basic | 8 | 195 | 203 | 21 | 75 | 96 |
| Acid | 000 | 000 | • 0 0 | 900 | » ° ° | 000 |
| Bessemer | 1 | 54 | 55 | *** | 85 | 85 |
| lectric | 11 | 592 | 603 | 12 | 686 | 698 |
| TOTAL DIRECT STEEL CASTINGS | 20 | 841 | 861 | 33 | 846 | 879 |
| | | | | | | |
| Table 5 - CUMULATIVE PRODUCT | 22,298 | 841 E NINE MO | | | 953 R. | 26,710 |
| Table 5 - CUMULATIVE PRODUCT | FION FOR TH | E NINE MO | | NG SEPTEMBE | TR. 9 3 | 26,710 |
| Table 5 - CUMULATIVE PRODUCT | TION FOR TH | E NINE MO | NTHS ENDI | NG SEPTEMBE | TR. 9 3 | |
| Table 5 CUMULATIVE PRODUCT | FION FOR THE | E NINE MO 9 3 For | NTHS ENDI | NG SEPTEMBE 1 For own | R. 9 3 | 1 |
| Steel INCOTS Spen hearth - Basic | FION FOR THE TOT OWN use | E NINE MO 9 3 For sale | NTHS ENDI | NG SEPTEMBE 1 For own use 540,987 | TR. 9 3 n For sale | 1 TOTAL 541,589 |
| Cable 5 - CUMULATIVE PRODUCT tem STEEL INCOTS pen hearth - Basic Acid | FION FOR THE 1 For own use | E NINE MO 9 3 For sale | NTHS ENDI 2 TOTAL | NG SEPTEMBE 1 For own use 540,987 | TR. 9 3 n For sale | TOTAL |
| tem STEEL INCOTS pen hearth - Basic | FION FOR THE 1 For own use 233,288 | E NINE MO 9 3 For sale | NTHS ENDI 2 TOTAL 233,907 14,914 | NG SEPTEMBE 1 For own use 540,987 19,591 | PR. 9 3 n For sale 602 | 1 TOTAL 541,589 19,591 |
| tem STEEL INCOTS pen hearth - Basic | FION FOR THE 1 For own use 233,288 | E NINE MO 9 3 For sale | NTHS ENDI 2 TOTAL 233,907 14,914 | NG SEPTEMBE 1 For own use 540,987 | PR. 9 3 n For sale 602 | 1 TOTAL 541,589 19,591 |
| Steel INCOTS Spen hearth - Basic | FION FOR THE 1 For own use 233,288 | E NINE MO 9 3 For sale | NTHS ENDI 2 TOTAL 233,907 14,914 | NG SEPTEMBE 1 For own use 540,987 19,591 | PR. 9 3 n For sale 602 | 1 TOTAL 541,589 19,591 |
| STEEL INCOTS Open hearth - Basic | FION FOR THE 1 For own use 233,288 | E NINE MO 9 3 For sale 619 619 | TOTAL 233,907 14,914 248,821 | NG SEPTEMBE 1 For own use 540,987 19,591 560,578 | Fr. 9 3 1 For sale 602 602 | 1 TOTAL 541,589 19,591 561,180 |
| STEEL INCOTS Pen hearth - Basic | 233,288 14,914 248,202 | 619 1,873 | NTHS ENDI 2 TOTAL 233,907 14,914 248,821 | SEPTEMBE 1 For own use 540,987 19,591 560,578 | FR. 9 3 1 For sale 602 602 | 1 TOTAL 541,589 19,591 561,180 |
| STEEL INCOTS Pen hearth - Basic | 233,288 14,914 248,202 | 619 1,873 | TOTAL 233,907 14,914 248,821 2,241 725 | SEPTEMBE 1 For own use 540,987 19,591 560,578 | 9 3 For sale 602 602 12,602 19 | 1 TOTAL 541,589 19,591 561,180 |
| STEEL INCOTS Open hearth - Basic | 233,288 14,914 248,202 | 619 1,873 | NTHS ENDI 2 TOTAL 233,907 14,914 248,821 | SEPTEMBE 1 For own use 540,987 19,591 560,578 | FR. 9 3 1 For sale 602 602 | 1 TOTAL 541,589 19,591 561,180 |

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 | | MONTHLY AVERAGE | | |
|------|---------|---------|------|-----------------|-------|--|
| lear | Iron | Steel | 1981 | Iron | Steel | |
| | | 100 | 2004 | 45 | | |
| 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 and 1932. (In 1000's of Long Tons)

| | - | | | - | | | - | |
|-----------------|--------|-------|------|------|-------|--------|-------|--------|
| | P | I G | | R O | N | | STE | |
| Month | NOVA S | COTIA | ONTA | RIO | TOTAL | CANADA | TOTAL | CANADA |
| | 1931 | 1932 | 1931 | 1932 | 1931 | 1932 | 1931 | 1932 |
| | | | | | | | | |
| | | | | | | | | |
| January | 15 | 000 | 21 | 10 | 36 | 10 | 58 | 25 |
| February | 14 | 000 | 32 | 11 | 46 | 11 | 83 | 28 |
| March | 17 | 000 | 40 | 18 | 75 | 18 | 99 | 44 |
| April | 17 | 000 | 37 | 17 | 54 | 17 | 91 | 36 |
| May | 15 | 000 | 36 | 13 | 51 | 13 | 75 | 29 |
| June | 15 | 0 0 3 | 41 | 8 | 56 | 8 | 56 | 18 |
| July | 8 | 000 | 32 | 7 | 40 | 7 | 45 | 28 |
| August | 0 0 0 | 300 | 23 | 6 | 23 | 6 | 52 | 27 |
| September | 000 | 0 0 0 | 18 | 6 | 18 | 6 | 33 | 23 |
| October | 200 | | 12 | | 12 | | 31 | |
| November | 000 | | 14 | | 14 | | 28 | |
| December | | | 14 | | 14 | | 21 | |
| TOTAL | 101 | 000 | 320 | 96 | 421 | 96 | 672 | 258 |
| MONTHLY AVERAGE | 8 | 900 | 27 | 11 | 36 | 11 | 56 | 29 |

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, Onto | 2 | 825 |
| Algoma Steel Corporation Ltd. | Sault Ste. Marie, Ont | . 4 | 1,600 |

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

| Condition of | Number of | Total Daily | Total Daily Capacity | | |
|--------------------------|-----------|-------------|--|--|--|
| Furnace | Furnaces | Long tons | Per cent | | |
| | | | Proceedings and addition and an advanced consequence of the state of the additional distribution of the additional distribut | | |
| In blast | 1 | 550 | 13 | | |
| Banked | 0 0 0 | O • • | Q 0 0 | | |
| Blown out | 10 | 3,675 | 87 | | |
| | | | | | |
| TOTAL FURNACES REPORTING | 11 | 4,225 | 100 | | |

