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OTTAWA - CANADA

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MONTHLY REPORT

Historical File Copy

PRODUCTION OF IRON AND STEEL IN CANADA

OCTOBER, 1936.

PIG IRON - Production of pig iron in Canada showed an increase in October for the third month in succession and a total 70,051 tons reached the highest level for the year to date. The improvement over September amounting to 35 per cent was altogether in the basic grade which advanced to 54,589 tons from 33,179 tons; the foundry grade dropped to 6,797 tons from 9,764 tons and the malleable grade to 8,665 tons from 8,949 tons.

During the month one 450-ton furnace was blown in at Sault Ste. Marie, Ontario, with the result that six furnaces were in blast on October 31. The active furnaces had a capacity of 2,525 long tons a day, or about 60 per cent of the total Canadian capacity, and were located as follows: 2 at Sydney, N. S., 2 at Hamilton, Ont., 1 at Port Colborne, Ont., and 1 at Sault Ste. Marie, Ont.

For the ten months ending October 31, 1936 the cumulative production of pig iron totalled 535,836 tons as against 464,585 tons and 325,663 tons made in the corresponding periods of 1935 and 1934, respectively.

FERRO-ALLOYS - Output of ferro-alloys at 5,253 tons in October compares with 5,027 tons in the previous month and 9,653 tons in October, 1935. This month's tonnage included spiegeleisen, ferromanganese and ferrosilicon.

STEEL INGOTS AND CASTINGS - Production of 98,330 tons of steel ingots and direct steel castings in Canada during October was 14 per cent over the total of 86,077 tons made in the previous month and 3 per cent over the 95,016 tons made in October, 1935.

For the first ten months of this year output totalled 912,064 tons, comparable figures for the corresponding periods of other years amounting to 742,720 tons in 1935; 643,137 tons in 1934 and 315,325 tons in 1933.

PRICES - Although demand for iron and steel products was more active, prices showed few changes during October. Trading continued to be limited chiefly to small spot tonnages but orders were more frequent and from more varied sources. The mining and automobile industries still furnished the bulk of business, but more interest was shown by other manufacturers, particularly those of agricultural implements, refrigeration machinery and electric stoves. Sales of scrap were high with some dealers reported as having taken deliveries against contracts. The Dominion Bureau of Statistics index number of "Iron and Its Products" on the base 1926 - 100, was unchanged at 88.2. Quotations for foundry pig iron were the same as in September. No. 1 was quoted at \$22.00 per long ton delivered at Montreal and at \$21.50 per long ton delivered at Toronto. No. 2 foundry was \$21.50 and \$21.00 per long ton at these respective centres.

UNITED STATES - In the United States the October daily rate of pig iron production at 96,547 tons was 6 per cent over the 91,010 tons per day in September and was the highest daily average reported since June, 1930, when 97,804 tons were made. During the month two furnaces were blown out or banked and seven were put in blast, a net gain of five active furnaces.

(a) PIG IRON AND FERRO-ALLOYS.

Table 1 - Production during October and September, 1936. (Tons of 2,240 lb.)

	OCTOBER, 1936			SEPTEMBER, 1936.		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>PIG IRON</u> -						
Basic .....	50,331	4,258	54,589	33,179	...	33,179
Foundry .....	...	6,797	6,797	...	9,764	9,764
Malleable .....	...	8,665	8,665	43	8,906	8,949
TOTAL .....	50,331	19,720	70,051	33,222	18,670	51,892
Ferro-alloys .....	...	5,253	5,253	...	5,027	5,027

Table 2 - Cumulative Production for the TEN MONTHS ending OCTOBER, 1936 and 1935. (Tons of 2,240 lb.)

	1 9 3 6			1 9 3 5		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>PIG IRON</u> -						
Basic .....	407,953	5,242	413,195	355,425	13,271	368,696
Foundry .....	1,300	64,001	65,301	...	46,988	46,988
Malleable .....	1,997	55,343	57,340	...	48,901	48,901
TOTAL .....	411,250	124,586	535,836	355,425	109,160	464,585
Ferro-alloys .....	...	61,340	61,340	...	47,520	47,520

Table 3 - Iron Blast Furnace Charges, OCTOBER, SEPTEMBER, and YEAR TO DATE, 1936.

	OCTOBER	SEPTEMBER	YEAR TO DATE
Imported iron ore .....long tons	128,351	89,228	955,491
Canadian limestone .....short tons	10,879	11,019	98,147
Imported limestone .....short tons	25,183	13,505	173,203
Coke made in Canada -			
From Canadian coal ..... short tons	30,700	18,156	239,340
From imported coal ..... short tons	28,781	22,137	239,405
Imported coke ..... short tons	11,096	10,234	57,674



(b) STEEL INGOTS AND DIRECT CASTINGS

Table 4 - Production for OCTOBER AND SEPTEMBER, 1936. (Tons of 2,240 lb.)

	OCTOBER, 1936			SEPTEMBER, 1936.		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic .....	91,661	...	91,661	80,597	...	80,597
Electric .....	4,406	...	4,406	2,879	...	2,879
Other .....	...	...	...	...	...	...
Total Steel Ingots ....	96,067	...	96,067	83,476	...	83,476
<u>STEEL CASTINGS</u>						
Open hearth - Basic .....	110	603	713	87	672	759
Bessemer .....	...	112	112	...	25	25
Electric .....	59	1,379	1,438	218	1,599	1,817
Total Direct Steel Castings	169	2,094	2,263	305	2,296	2,601
GRAND TOTAL .....	96,236	2,094	98,330	83,781	2,296	86,077

Table 5 - Cumulative Production for the TEN MONTHS ending OCTOBER, 1936 and 1935.

	1 9 3 6			1 9 3 5		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic .....	849,065	...	849,065	690,782	710	691,492
Electric .....	34,596	...	34,596	26,598	...	26,598
Other .....	...	...	...	...	...	...
Total Steel Ingots .....	883,661	...	883,661	717,380	710	718,090
<u>STEEL CASTINGS</u>						
Open hearth - Basic .....	1,108	7,606	8,714	1,276	5,474	6,750
Bessemer .....	...	459	459	...	495	495
Electric .....	2,810	16,420	19,230	2,759	14,626	17,385
Total Direct Steel Castings ..	3,918	24,485	28,403	4,035	20,595	24,630
GRAND TOTAL .....	887,579	24,485	912,064	721,415	21,305	742,720

Table 6 - Average Monthly Production of Pig Iron, Steel Ingots and Castings in Canada, 1916 - 1935. In 1000's of long tons)

MONTHLY AVERAGE			MONTHLY AVERAGE		
Years	Iron	Steel	Years	Iron	Steel
1916 .....	87	106	1926 .....	63	64
1917 .....	87	130	1927 .....	59	76
1918 .....	89	140	1928 .....	86	103
1919 .....	68	77	1929 .....	91	115
1920 .....	81	92	1930 .....	62	84
1921 .....	50	56	1931 .....	36	56
1922 .....	32	40	1932 .....	12	29
1923 .....	73	74	1933 .....	19	34
1924 .....	49	54	1934 .....	34	63
1925 .....	48	63	1935 .....	50	78



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Table 7 - Production of Pig Iron by Months and by Provinces, and Steel Ingots and Castings, by Months, 1935 and 1936. (In 1000's of long tons.)

Month	P I G		I R O N		: S T E E L	
	NOVA SCOTIA		ONTARIO		TOTAL CANADA	
	1935	1936	1935	1936	1935	1936
January .....	17	18	27	43	44	61
February .....	16	21	21	35	37	56
March .....	17	22	28	32	45	54
April .....	16	23	27	31	43	54
May .....	16	27	29	32	45	59
June .....	15	27	30	29	45	56
July .....	17	12	34	23	51	35
August .....	17	11	37	28	54	39
September .....	17	15	37	37	54	52
October .....	11	26	35	44	46	70
November .....	23		42		65	
December .....	26		45		71	
TOTAL .....	208	202	392	334	600	536
Monthly Average .....	17	20	33	34	50	54

Table 8 - Iron Blast Furnaces in Canada, 1936.

Names of Companies	Location of furnaces	Number of stacks	Total Daily Capacity (long tons)
Dominion Steel & Coal Corp. Ltd.	Sydney, N. S.	4	1,450
Canadian Furnace Co. Ltd.	Port Colborne, Ont.	1	350
The Steel Company of Canada, Limited	Hamilton, Ont.	2	825
Algoma Steel Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,600

Table 9 - Description of Furnaces at end of October, 1936.

Condition of furnace	Number of furnaces	TOTAL DAILY CAPACITY	
		Long tons	Per cent
In blast .....	6	2,525	60
Banked .....	...	...	...
Blown out .....	5	1,700	40
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.