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DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY  
MINING, METALLURGICAL AND CHEMICAL BRANCH  
OTTAWA - CANADA

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

OCTOBER, 1937.

PIG IRON - Production of 80,922 tons of pig iron in Canada during October was the greatest output reported for any month since January, 1930, when 87,079 tons were made. October tonnage compares with 76,180 tons made in September of this year and with 70,051 tons in October, 1936. Compared with the previous month the October output showed a gain in foundry iron to 13,095 tons from 4,705 tons and an improvement in the malleable grade to 10,452 tons from 2,925 tons, while basic iron declined to 57,375 tons from 68,550 tons.

Furnace charges during the month included 142,193 long tons of iron ore, 80,459 tons of coke and 41,298 tons of limestone. For the ten months ending October, a total of 1,344,890 tons of ore, 737,330 tons of coke and 391,076 tons of limestone were charged to iron blast furnaces in Canada to make 735,360 tons of pig iron. Comparative figures for the corresponding ten-month periods of other years amounted to 535,836 tons in 1936 and 464,585 tons in 1935.

FERRO-ALLOYS - Output of ferro-alloys totalled 7,604 tons in October compared with 7,720 tons made in September and 5,253 tons in October of a year ago. Among the alloys made in October, in order of tonnage, were: ferrosilicon, ferromanganese, spiegeleisen, and silico spiegel.

STEEL INGOTS AND CASTINGS - Production of steel ingots and castings amounted to 114,527 tons compared with 114,622 tons in the previous month and 98,330 tons made in October of last year. This month's output included 109,996 tons of ingots and 4,531 tons of direct castings.

During the first ten months of this year, 1,191,989 tons of steel ingots and castings were produced in Canada as against 912,064 tons and 742,720 tons made during the corresponding periods of 1936 and 1935.

PRICES - Prices for iron and steel products remained firm, with the exception of scrap steel which declined as demand slackened. Output from Canadian plants was maintained at good levels but there were indications of a decided curtailment of European buying with the value of Canadian exports falling from \$7,326,000 in August to \$4,809,000 in September. Moderate improvement in requirements for the auto industry was recorded but buying on the part of mining interests was low. Due chiefly to reductions in the price of scrap steel, the Dominion Bureau of Statistics' index number of "Iron and Its Products" on the base 1926 = 100, fell from 105.4 in September to 105.1 in October. The same values obtained for foundry iron. No. 1 foundry delivered at Montreal was

\$27.50 and No. 2 was \$26.50 per gross ton. These respective grades delivered at Toronto were \$26.00 and \$25.50 per gross ton.

UNITED STATES - In the United States the production of pig iron at 93,311 tons a day during October was 17.9 per cent under the daily rate in September of 113,679 tons. During the month 32 furnaces were blown out or banked and 2 put in blast, a net reduction of 30 furnaces making pig iron.

(a) PIG IRON AND FERRO-ALLOYS.

Table 1 - Production during OCTOBER and SEPTEMBER, 1937. (Tons of 2,240 pounds).

	OCTOBER, 1937			SEPTEMBER, 1937.		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>PIG IRON</u> -						
Basic .....	54,269	3,106	57,375	59,355	9,195	68,550
Foundry .....	...	13,095	13,095	...	4,705	4,705
Malleable .....	...	10,452	10,452	...	2,925	2,925
TOTAL ...	54,269	26,653	80,922	59,355	17,825	76,180
Ferro-alloys ....	...	7,604	7,604	...	7,720	7,720

Table 2 - Cumulative Production for the TEN MONTHS ending OCTOBER, 1937 and 1936. (Tons of 2,240 pounds)

	1	9	3	7	:	1	9	3	6
	For own use	For sale	TOTAL		:	For own use	For sale	TOTAL	
<u>PIG IRON</u> -									
Basic .....	560,164	33,474	593,638			407,953	5,242	413,195	
Foundry .....	40	85,963	86,003			1,300	72,153	73,453	
Malleable .....	1,642	54,077	55,719			1,997	47,191	49,188	
TOTAL ....	561,846	173,514	735,360			411,250	124,586	535,836	
Ferro-alloys ....	...	63,140	63,140			...	61,340	61,340	

Table 3 - Iron Blast Furnace Charges during OCTOBER and SEPTEMBER and YEAR TO DATE, 1937.

		OCTOBER	NOVEMBER	YEAR TO DATE
Imported iron ore .....	long tons	142,193	135,980	1,344,890
Canadian limestone .....	short tons	15,564	13,082	128,385
Imported limestone .....	short tons	25,734	26,883	262,691
Coke made in Canada -				
From Canadian coal .....	short tons	29,015	29,509	294,135
From imported coal .....	short tons	51,444	38,258	397,376
Imported coke .....	short tons	...	9,454	45,819



(b) STEEL INGOTS AND CASTINGS

Table 4 - Production for OCTOBER and SEPTEMBER, 1937. (Tons of 2,240 pounds)

	OCTOBER, 1937			SEPTEMBER, 1937		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS -</u>						
Open hearth - Basic ...	104,981	...	104,981	104,482	106	104,588
Electric .....	4,987	28	5,015	4,425	...	4,425
Other .....	...	...	...	...	...	...
TOTAL STEEL INGOTS ...	109,968	28	109,996	108,907	106	109,013
<u>STEEL CASTINGS -</u>						
Open hearth - Basic ...	215	771	986	152	1,448	1,600
Bessemer .....	...	63	63	...	84	84
Electric .....	32	3,450	3,482	68	3,857	3,925
TOTAL DIRECT STEEL CASTINGS .....	247	4,284	4,531	220	5,389	5,609
GRAND TOTAL .....	110,215	4,312	114,527	109,127	5,495	114,622

Table 5 - Cumulative Production for the TEN MONTHS ending OCTOBER, 1937 and 1936.

	1937			1936		
	1	9	5	7	1	9
	For own use	For sale	TOTAL		For own use	For sale
<u>STEEL INGOTS -</u>						
Open hearth - Basic ...	1,085,110	266	1,085,376	849,065	...	849,065
Electric .....	48,442	28	48,470	34,596	...	34,596
Other .....	...	...	...	...	...	...
TOTAL STEEL INGOTS ...	1,133,552	294	1,133,846	883,661	...	883,661
<u>STEEL CASTINGS -</u>						
Open hearth - Basic ...	1,889	19,706	21,595	1,108	7,606	8,714
Bessemer .....	...	811	811	...	459	459
Electric .....	4,231	31,506	35,737	2,810	16,420	19,230
TOTAL DIRECT STEEL CASTINGS .....	6,120	52,023	58,143	3,918	24,485	28,403
GRAND TOTAL .....	1,139,672	52,317	1,191,989	887,579	24,485	912,064

Table 6 - Average Monthly Production of Pig Iron, Steel Ingots and Castings in Canada, 1916 - 1936. (In 1000's of long tons)

Years	Monthly Average		Years	Monthly Average	
	Iron	Steel		Iron	Steel
1916 .....	87	106	1927 .....	59	76
1917 .....	87	130	1928 .....	86	103
1918 .....	89	140	1929 .....	91	115
1919 .....	68	77	1930 .....	62	84
1920 .....	81	92	1931 .....	36	56
1921 .....	50	56	1932 .....	12	29
1922 .....	32	40	1933 .....	19	34
1923 .....	73	74	1934 .....	34	63
1924 .....	49	54	1935 .....	50	78
1925 .....	48	63	1936 .....	56	93
1926 .....	63	64			



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Table 7 - Production of Pig Iron, by Months and by Provinces, and Steel Ingots and Castings, by Months, 1936 and 1937. (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			
	1936	1937	1936	1937	1936	1937	: 1936	1937
January .....	18	28	43	38	61	66	100	115
February .....	21	25	35	37	56	62	94	112
March .....	22	29	32	42	54	71	101	125
April .....	23	28	31	40	54	68	107	121
May .....	27	27	32	51	59	78	95	121
June .....	27	27	29	51	56	78	82	119
July .....	12	26	23	54	35	80	69	123
August .....	11	26	28	49	39	75	80	127
September .....	15	26	37	50	52	76	86	115
October .....	26	25	44	56	70	81	98	115
November .....	28		46		74		99	
December .....	28		40		68		104	
TOTAL .....	258	267	420	468	678	735	1,115	1,193
Monthly Average ...	21	27	35	46	56	73	93	119

Table 8 - Iron Blast Furnaces in Canada, 1937.

Names of Companies	Location of Furnaces	Number of Stacks	Total Daily Capacity (Long tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, N.S.	3	1,200
Canadian Furnace Limited	Pt. Colborne, Ont.	1	350
The Steel Company of Canada, Limited	Hamilton, Ont.	2	825
The Algoma Steel Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,600

Table 9 - Description of Furnaces at end of OCTOBER, 1937.

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast .....	6	2,525	64
Banked .....	...	...	...
Blown out .....	4	1,450	36
Total Furnaces Reporting.	10	3,975	100

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