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DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
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OTTAWA - CANADA

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

JANUARY, 1940.

PIG IRON - Production of pig iron in Canada during January totalled 104,703 long tons compared with 94,620 tons in December and 57,660 tons in January, 1939. This month's total included 87,826 tons of basic iron, 12,533 tons of foundry iron and 4,344 tons of malleable iron.

Blast furnace charges during January included 186,296 long tons of iron ore, 46,164 short tons of limestone and 108,239 short tons of coke.

FERRO ALLOYS - Ferro alloy output amounted 8,065 tons in January compared with 10,494 tons in the previous month and 2,855 tons in January of a year ago. This month's total was made up of five different grades listed according to tonnage as follows - ferrosilicon, spiegeleisen, ferromanganese, silico manganese and ferro-chrome.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct steel castings during January was reported at 166,496 long tons as against 150,062 tons in December and 78,198 tons in January, 1939. Output for the month included 159,578 tons of ingots and 6,918 tons of castings.

PRICES - The index number of Iron and Its Products, on the base 1926=100 rose from 102.0 in December 1939 to 102.6 in January, 1940. Price changes were confined chiefly to the pig iron and steel billets, and the rolling mill products groups. The index for the former moved up from 92.7 in December to 100.4 in January due to a \$3.00 per ton rise in the price of No. 1 foundry pig iron. A minor reduction in the basic price of steel plates brought an index for the latter group down from 109.9 to 109.8. Operations of Canadian steel mills were maintained close to capacity levels. The usual seasonal lull failed to develop as aside from considerable backlogs, further large orders for war materials were awarded. No. 1 foundry, pig iron, f.o.b. sellers' works moved up \$3.00 to \$25.50 per long ton.

UNITED STATES PRODUCTION - From the "Iron Age" - Production of coke pig iron in the United States averaged 116,126 tons per day during January, a decline of 4.5 per cent from the daily output of 121,559 tons in December. There was a net loss of 14 active furnaces during the month, 15 furnaces being blown out or banked and only 1 furnace put in blast.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - PRODUCTION DURING JANUARY 1940 and DECEMBER, 1939. (Tons of 2,240 pounds)

	JANUARY, 1940			DECEMBER, 1939		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON -						
Basic	87,826	...	87,826	83,585	231	83,816
Foundry .....	...	12,533	12,533	...	6,039	6,039
Malleable .....	...	4,344	4,344	...	4,765	4,765
TOTAL	87,826	16,877	104,703	83,585	11,035	94,620
Ferro-alloys .....	...	8,065	8,065	...	10,494	10,494

Table 2 - CUMULATIVE PRODUCTION FOR THE TWELVE MONTHS ENDING DECEMBER, 1939 and 1938.
(tons of 2,240 pounds)

	1 9 3 9			1 9 3 8		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON --						
Basic	634,761	21,250	656,011	531,077	26,501	557,578
Foundry .....	...	71,709	71,709	18,596	62,492	81,088
Malleable .....	...	28,462	28,462	26,189	40,572	66,761
TOTAL	634,761	121,421	756,182	575,862	129,565	705,427
Ferro-alloys .....	...	75,234	75,234	...	55,926	55,926

Table 3 - IRON BLAST FURNACE CHARGES DURING JANUARY, 1940, DECEMBER, and TWELVE MONTHS, 1939.

	Unit	JANUARY 1940	DECEMBER 1939	TWELVE MONTHS 1939
Iron ore	Long ton	186,296	171,893	1,319,243
Limestone	Short ton	46,164	42,159	366,731
Coke	Short ton	108,239	100,908	779,669

(b) STEEL INGOTS AND CASTINGS

Table 4 - PRODUCTION DURING JANUARY, 1940 and DECEMBER, 1939. (Tons of 2,240 pounds)

	JANUARY, 1940			DECEMBER, 1939		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS -</u>						
Open hearth - Basic	149,859	53	149,912	135,140	107	135,247
Electric	9,666	...	9,666	7,983	...	7,983
Other .....	...	...	...	...	...	...
Total Steel Ingots	159,525	53	159,578	143,123	107	143,230
<u>STEEL CASTINGS -</u>						
Open hearth - Basic ...	283	2,339	2,622	316	2,343	2,659
Converter .....	...	111	111	...	126	126
Electric	794	3,391	4,185	707	3,340	4,047
Total Direct Steel Castings	1,077	5,841	6,918	1,023	5,809	6,832
GRAND TOTAL	160,602	5,894	166,496	144,146	5,916	150,062

Table 5 - CUMULATIVE PRODUCTION for the TWELVE MONTHS ending DECEMBER, 1939 and 1938.

	1 9 3 9			1 9 3 8		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS -</u>						
Open hearth - Basic	1,253,176	6,025	1,259,201	1,046,902	301	1,047,203
Electric	71,198	8	71,206	55,891	...	55,891
Other .....	...	...	...	...	...	...
Total Steel Ingots ...	1,324,374	6,033	1,330,407	1,102,793	301	1,103,094
<u>STEEL CASTINGS -</u>						
Open hearth - Basic	2,036	13,976	16,012	1,018	14,507	15,525
Converter .....	...	805	805	...	759	759
Electric	7,041	30,562	37,603	8,314	27,498	35,812
Total Direct Steel Castings	9,077	45,343	54,420	9,332	42,764	52,096
GRAND TOTAL	1,333,451	51,376	1,384,827	1,112,125	43,065	1,155,190

Table 6 - AVERAGE MONTHLY PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS IN CANADA, 1916 - 1939 (In 1000's of long tons)

Year		Monthly Average		Year		Monthly Average	
		Iron	Steel			Iron	Steel
1916	.....	87	106	1928	.....	86	103
1917	.....	87	130	1929	.....	90	115
1918	.....	89	139	1930	.....	62	84
1919	.....	68	77	1931	.....	35	56
1920	.....	81	92	1932	.....	12	28
1921	.....	50	56	1933	.....	19	34
1922	.....	32	40	1934	.....	34	63
1923	.....	73	73	1935	.....	50	78
1924	49	55	1936	57	93
1925	48	63	1937	75	117
1926	63	65	1938	59	96
1927	59	76	1939	63	115



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Table 7 - PRODUCTION OF PIG IRON, BY MONTHS and BY PROVINCES, and STEEL INGOTS and CASTINGS, BY MONTHS, 1939 and 1940. (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	
	1939	1940	1939	1940	1939	1940	1939	1940
January	16	34	42	71	58	105	78	166
February	13		28		41		77	
March	12		29		41		96	
April	19		27		46		100	
May	25		33		58		121	
June	24		29		53		108	
July	23		36		59		111	
August	23		43		66		122	
September	24		42		66		125	
October	24		62		86		150	
November	25		63		88		147	
December	32		63		95		150	
TOTAL FOR YEAR ...	260	34	497	71	757	105	1,385	166

Table 8 - IRON BLAST FURNACES IN CANADA

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

Table 9 - DESCRIPTION OF FURNACES AT END OF JANUARY, 1940.

Condition of furnaces	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	8	3,375	85
Banked .....	..	...	..
Blown out	2	600	15
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.