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

Dominion Statistician: R. H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.)
Chief - Mining, Metallurgical and Chemical Branch: W. H. Losee, B.Sc.

MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

FEBRUARY, 1939

PIG IRON - Production of pig iron in Canada at 41,333 tons during February represented a decline of 21 per cent from the daily rate in the previous month when the total was 57,660 tons. Lower outputs were general to all grades - basic iron going to 40,932 tons from 44,505 tons and malleable iron to 401 tons from 2,980 tons, while no foundry iron was made against 10,175 tons of this grade in January.

Furnace charges during the month included 70,684 long tons of iron ore, 20,800 short tons of coke, and 39,615 short tons of limestone, to make total charges for the year to date of 164,390 tons of ore, 53,175 tons of coke, and 96,169 tons of limestone. From this material, 98,993 tons of pig iron were made against 136,309 tons during the first two months of 1938.

FERRO-ALLOYS - Output of 5,299 tons of ferro-alloys in February showed an increase over the total of 2,855 tons made in the previous month and the 4,436 tons made in February, 1938. This month's tonnage was composed of three grades, as follows, listed according to volume - spiegeleisen, ferromanganese and ferrosilicon.

STEEL INGOTS AND CASTINGS - Production of steel ingots and castings totalled 77,179 tons in February compared with 78,198 tons in January and 98,980 tons in February of a year ago. During the first two months of this year the cumulative output amounted to 155,377 tons against 211,360 tons made during the two months ending February, 1938.

PRICES - A somewhat easier tone obtained in Canadian iron and steel markets in February. Price reductions for steel sheets ranged between 5¢ and 15¢ per cwt. and there was a decline in quotations for corrugated iron sheets of 20¢ per 100 sq.ft.. The volume of business transacted indicated slow but steady improvement with most interest shown in structural steel, builders' hardware and requirements for auto manufacturing. The wholesale price index number for "Iron and Its Products" on the base 1926 = 100 moved down from 97.6 in January to 97.4 in February, due entirely to losses in the rolling mill products group. Quotations for foundry pig iron were unchanged. No. 1 foundry was \$25.00 per long ton, delivered at Montreal, and \$23.00 per long ton, delivered at Toronto.

UNITED STATES - According to the "Iron Age" the production of coke pig iron in the United States averaged 73,578 tons a day in February, an increase of 4.8 per cent over the 70,175 tons a day in January. During the month seven stacks were put in blast and four blown out or banked.

(a) PIG IRON and FERRO-ALLOYS -2-

Table 1 - PRODUCTION during FEBRUARY and JANUARY, 1939. (Tons of 2,240 pounds)

	FEBRUARY			JANUARY		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON -						
Basic	39,941	991	40,932	40,823	3,682	44,505
Foundry .....	...	...	...	...	10,175	10,175
Malleable .....	...	401	401	...	2,980	2,980
TOTAL	39,941	1,392	41,333	40,823	16,837	57,660
Ferro-alloys .....	...	5,299	5,299	...	2,855	2,855

Table 2 - CUMULATIVE PRODUCTION FOR THE TWO MONTHS ending FEBRUARY, 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	80,764	4,673	85,437	107,825	1,558	109,383
Foundry .....	...	10,175	10,175	...	11,995	11,995
Malleable .....	...	3,381	3,381	582	14,349	14,931
TOTAL	80,764	18,229	98,993	108,407	27,902	136,309
Ferro-alloys .....	...	5,154	5,154	...	9,933	9,933

Table 3 - IRON BLAST FURNACE CHARGES DURING FEBRUARY and JANUARY, 1939.

		FEBRUARY	JANUARY	Two Months ending FEBRUARY
Imported iron ore	Long ton	70,684	93,706	164,390
Coke	Short ton	20,800	32,375	53,175
Limestone	Short ton	39,615	56,554	96,169

(b) STEEL INGOTS AND CASTINGS

Table 4 - PRODUCTION FOR FEBRUARY and JANUARY, 1939. (Tons of 2,240 pounds)

	FEBRUARY			JANUARY		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
STEEL INGOTS -						
Open hearth - Basic	71,247	104	71,351	71,766	...	71,766
Electric	2,685	...	2,685	3,106	...	3,106
Other .....	...	...	...	...	...	...
Total Steel Ingots	73,932	104	74,036	74,872	...	74,872
STEEL CASTINGS -						
Open hearth - Basic	160	432	592	184	728	912
Bessemer .....	...	24	24	...	50	50
Electric	580	1,947	2,527	500	1,864	2,364
Total Direct Steel Castings	740	2,403	3,143	684	2,642	3,326
GRAND TOTAL	74,672	2,507	77,179	75,556	2,642	78,198

Table 5 - CUMULATIVE PRODUCTION FOR THE TWO MONTHS ending FEBRUARY, 1939 and 1938.

	1	9	3	9		1	9	3	8
	For own	For		TOTAL	For own	For		TOTAL	
	use	sale			use	sale			
STEEL INGOTS -									
Open hearth - Basic	143,013	104		143,117	190,051	90		190,141	
Electric	5,791	...		5,791	12,744	...		12,744	
Other .....	...	...		...	...	...		...
Total Steel Ingots	148,804	104		148,908	202,795	90		202,885	
STEEL CASTINGS -									
Open hearth - Basic	344	1,160		1,504	372	2,215		2,587	
Bessemer .....	...	74		74	...	121		121	
Electric	1,080	3,811		4,891	2,090	3,677		5,767	
Total Direct Steel Castings	1,424	5,045		6,469	2,462	6,013		8,475	
GRAND TOTAL	150,228	5,149		155,377	205,257	6,103		211,360	

Table 6 - AVERAGE MONTHLY PRODUCTION OF PIG IRON, STEEL INGOTS and CASTINGS IN CANADA, 1916 - 1938. (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	91	115
1918	89	140	1930	62	84
1919	68	77	1931	36	56
1920	81	92	1932	12	29
1921	50	56	1933	19	34
1922	32	40	1934	34	63
1923	73	74	1935	50	78
1924	49	54	1936	56	93
1925	48	63	1937	75	117
1926	63	64	1938	59	96
1927	59	76			

Table 7 - PRODUCTION OF PIG IRON, BY MONTHS and BY PROVINCES, and STEEL INGOTS AND CASTINGS, BY MONTHS, 1938 and 1939. (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	
	1938	1939	1938	1939	1938	1939	:		1938	1939
January	29	16	46	42	75	58			113	78
February	24	13	37	28	61	41			99	77
Two Months Total.	53	29	83	70	136	99			212	155
March	28		38		66				119	
April	28		38		66				116	
May	29		43		72				115	
June	19		45		64				109	
July	13		38		51				84	
August	14		36		50				83	
September	13		37		50				74	
October	16		35		51				76	
November	15		31		46				90	
December	15		38		53				79	
TOTAL FOR YEAR ..	243		462		705				1,156	



Table 8 - IRON BLAST FURNACES IN CANADA.

Name of Company	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	Port Colborne, Ont.	1	350
The Steel Company of Canada, Ltd.	Hamilton, Ont.	2	825
The Algoma Steel Corporation	Sault Ste. Marie, Ont.	4	1,600

Table 9 - DESCRIPTION OF FURNACES AT END OF FEBRUARY, 1959.

Condition of Furnaces	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	3	1,650	42
Banked .....	...	...	...
Blown out	7	2,325	58
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.