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

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

FEBRUARY, 1940

PIG IRON - Production of pig iron in Canada amounted to 87,032 tons in February against 104,703 tons in January of this year and 41,333 tons in February of a year ago. This month's total included 72,893 tons of basic iron, 3,572 tons of foundry iron and 10,567 tons of malleable iron.

On February 26th a 450 ton furnace was banked at Sault Ste. Marie, Ontario, with the result that 7 furnaces were in blast on February 29. These active furnaces had a capacity of 2,925 long tons a day and represented 74 per cent of the Canadian total.

FERRO-ALLOYS - Output of ferro-alloys totalled 7,711 tons in February compared with 8,065 tons in the previous month and 5,299 tons in February, 1939. This month's total was made up of four different grades listed according to tonnage, as follows - ferrosilicon, ferromanganese, silicomanganese and ferrochrome.

STEEL INGOTS AND CASTINGS - Production of steel ingots and castings amounted to 140,343 tons in February compared with 166,496 tons reported for January and 77,179 tons for February, 1939. This month's output included 133,772 tons of ingots and 6,571 tons of direct castings.

PRICES - Price changes for iron and steel products were narrow in February and the index for Iron and Its Products remained unchanged at 102.6. This compared with an index of 97.4 in February, 1939. Demand held good throughout the month and much new and diversified business developed. Placing of large war orders further augmented backlogs and sizable orders for imported steel were also placed in the United States. Foundry pig iron (No. 1), delivered at Toronto, was quoted at \$26.00 per long ton, the same price as prevailed in January. This was \$3.00 per ton over the January, 1939 quotation.

PRODUCTION IN UNITED STATES - The "Iron Age" reports that the production of pig iron in the United States averaged 101,954 long tons a day in February, a drop of 12.2 per cent from 116,126 tons a day in January. During the month 27 furnaces were blown out or banked and 7 were put in operation, a net loss of 20 active furnaces.

(a) PIG IRON AND FERRO-ALLOYS

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

	FEBRUARY, 1940			JANUARY, 1940		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>PIG IRON -</u>						
Basic	67,752	5,141	72,893	87,826	...	87,826
Foundry .....	...	3,572	3,572	...	12,533	12,533
Malleable .....	...	10,567	10,567	...	4,344	4,344
TOTAL	67,752	19,280	87,032	87,826	16,877	104,703
Ferro-alloys .....	...	7,711	7,711	...	8,065	8,065

Table 2 - CUMULATIVE PRODUCTION FOR THE TWO MONTHS ENDING FEBRUARY, 1940 and 1939
(tons of 2,240 pounds)

	1 9 4 0			1 9 3 9		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>PIG IRON -</u>						
Basic	155,578	5,141	160,719	80,764	4,673	85,437
Foundry .....	...	16,105	16,105	...	10,175	10,175
Malleable .....	...	14,911	14,911	...	3,381	3,381
TOTAL	155,578	36,157	191,735	80,764	18,229	98,993
Ferro-alloys .....	...	15,776	15,776	...	5,154	5,154

Table 3 - IRON BLAST FURNACE CHARGES DURING FEBRUARY and JANUARY, 1940 and TWO MONTHS
ENDING FEBRUARY, 1940

	Unit	FEBRUARY	JANUARY	TWO MONTHS
Iron ore	Long ton	147,347	186,296	333,643
Limestone	Short ton	38,131	46,164	84,295
Coke	Short ton	89,109	108,239	197,348

(b) STEEL INGOTS AND CASTINGS

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

	F E B R U A R Y			J A N U A R Y		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS -</u>						
Open hearth - Basic	124,202	52	124,254	149,859	53	149,912
Electric	9,518	...	9,518	9,666	...	9,666
Other .....	...	...	...	...	...	...
Total Steel Ingots	133,720	52	133,772	159,525	53	159,578
<u>STEEL CASTINGS -</u>						
Open hearth - Basic	212	2,044	2,256	283	2,339	2,622
Converter .....	...	118	118	...	111	111
Electric	918	3,279	4,197	794	3,391	4,185
Total Direct Steel Castings	1,130	5,441	6,571	1,077	5,841	6,918
GRAND TOTAL	134,850	5,493	140,343	160,602	5,894	166,496

Table 5 - CUMULATIVE PRODUCTION for the TWO MONTHS ending FEBRUARY, 1940 and 1939

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	For own use	For sale	TOTAL		For own use	For sale	TOTAL	
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<u>STEEL INGOTS -</u>								
Open hearth - Basic	274,061	105	274,166		143,013	104	143,117	
Electric	19,184	...	19,184		5,791	...	5,791	
Other	
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Total Steel Ingots	293,245	105	293,350		148,804	104	148,908	
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<u>STEEL CASTINGS -</u>								
Open hearth - Basic	495	4,383	4,878		344	1,160	1,504	
Converter	229	229		...	74	74	
Electric	1,712	6,670	8,382		1,080	3,811	4,891	
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Total Direct Steel Castings	2,207	11,282	13,489		1,424	5,045	6,469	
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GRAND TOTAL	295,452	11,387	306,839		150,228	5,149	155,377	

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

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	23	28	64	41	87	77	140
Total Two Months	29	57	70	135	99	192	155	306



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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) - Concluded

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
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		497		757		1,385	

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 FEBRUARY, 1940

Condition of furnaces	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	7	2,925	74
Banked	1	450	11
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.