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OTTAWA - CANADA

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## MONTHLY REPORT

## PRODUCTION OF IRON AND STEEL IN CANADA

## OCTOBER, 1939.

PIG IRON - Output of pig iron in Canada at 85,758 tons in October reached the highest monthly level since January 1930 when the total was 87,079 tons. This month's tonnage compares with 65,954 tons made in the previous month and 50,657 tons in October 1938, and included 62,718 tons of basic iron, 21,329 tons of foundry iron and 1,711 tons of malleable iron.

During the first ten months of this year a total of 995,493 long tons of iron ore, 285,555 short tons of limestone and 589,524 short tons of coke were charged to iron blast furnaces in Canada to make 573,740 tons of pig iron. For the corresponding period of last year a total output of 605,502 tons was reported. On October 6th a blast furnace with a capacity of 550 tons a day was blown in at Sault Ste Marie, Ont., making a total of 7 furnaces active on October 31. These furnaces represent 76 per cent of the total blast furnace capacity in Canada.

FERRO ALLOYS Production of ferro alloys amounted to 6.357 tons in October against 10,406 tons in September and 2 194 tons in October, 1938. This month's output included five different grades listed according to tonnage as follows: spiegeleisen, ferrosilicon, ferromanganese, high carbon ferrochrome and silico manganese.

STEEL INGOTS AND CASTINGS - Output of steel ingots and direct castings at 149,890 tons in October compares with 124 384 tons in the next preceding month and 76,256 tons in October of a year ago.

Cumulative production for the ten months ending October totalled 1,087,583 tons including 1,047,546 tons of ingets and 40,037 tons of castings. During the first ten months of last year the total was 987,261 tons.

IRON AND STEEL An index of wholesale prices of iron and steel products rose from 99.3 in September to 100.6 in October Malleable pig iron moved up another \$3.00 per gross ton and higher prices obtained also for galvanized and corrugated iron sheets and certain items of hardware. Business was transacted in good volume, which included orders for \$25,000,000 in railway rolling stock. There was also active demand from the building trades. To meet the growing demand for steel sheets, production schedules were increased considerably during October.

## (a) PIG IRON AND FERRO-ALLOYS

(4)	TAG STROET	RMD I IM	TO MINIOTO				
Table I - Production during Oct	ober and	Septembe	r, 1939.	(Ton	s of 2,24	O pounds)	
	OCTOBER			SEPTEMBER			
	For own	- For	TOTAL	For own	For	TOTAL	
	use	sale	TOTAL	use	sale	TUTAL	
PIG IRON							
Basic	62,255	463	62,718	51,850	3,409	55,259	
Foundry	-	21,329	21,329	019000	7,326	7,326	
Malleable		1,711	1,711	ano	3,369	3,369	
TOTAL	62,255	23,503	85,758	51,850	14,104	65,954	
Ferro-alloys	este	6,357	6,357		10,406	10,406	
Table 2 - Cumulative Production		TEN MONT		OCTOBER, 19	939 and 1	.938	
		1939			1938		
	For own	For	mom a r	For own	For	MOMAT	
	use	sale	TOTAL	use	sale	TOTAL	
PTC TRON							
PIG IRON -	485,001	18,155	503,156	473,757	14,319	488,076	
Foundry	700 9 CO I	54,110	54,110	4109101	64,185	e,	
Malleable	cus	16,474	16,474	582	52,659	53,241	
TOTAL	485,001	88,739	573,740	474,359	131,163	605,502	
Ferro-allays	40	57,455	57,455	8/3	44,513	44,513	
Table 3 - Iron Blast Furnace Ch		ing OCTO BER, 193		MBER, and	PEN MONTH	S ending	
	Unit	,	OCTOBER	SEPTEM	BER TE	N MONTHS	
Iron ore	Long t	on	151,104	120,26	37	995,493	
Limestone	Short		41,014	30,94		285,555	
Coke	Short		88,173	68,4		589,524	
(b)	STERL IN	GOTS AND	CASTINGS				
Table 4 - PRODUCTION FOR AUGUST	AND SEPT	EMBER, 1	939。	(Tons	of 2,24	O pounds)	
	0	CTOB	ER		PTEM	The state of the s	
	For ow	m For		For own			
	use	sale	TOTAL	use	sale	TOTAL	
CONSTITUTORO	And the second section of the second section of						
Open hearth - Basic	129,69	4 5 31	2 135,006	112,85	5 26	112,881	
Electric	8,79	-	8,795			7,355	
Other	-	tor.	w <sub>3</sub>			-	
Total Steel Ingots	138,48	9 5,31	2 143,801	120,20	2 34	120,236	
STEEL CASTINGS -					ed emilionali rechaalimedya elizeretee e	Les régles Les effre dans discretisement region de	
Open hearth - Basic	24	9 1,86	7 2,116	114	981	1,095	
Converter		8			87	87	
Electric	60	5 3,28	4 3,889	342	and in the contract of the property of the contract of	Annalment metallikanskred valution	
Total Direct Steel Castings	85	4 5,23	5 6,089	456	-	4,148	
GRAND TOTAL	139,34	5 10,54	7 149,890	120,658	3,726	124,384	

Table 5 - CUMULATIVE PRODUCTION for the TEN MONTHS ending OCTOBER, 1939 and 1938.

		1939			1938	
	For own	For sale	TOTAL	For own	For sale	TOTAL
STEEL INGOTS -						
Open hearth - Basic	986,958	5,918	992,876	892,525	247	892,772
Electric	54,662	8	54,670	49,159	4.0	49,159
Other	Note:	es .	with	V7	cio	6.5
Total Steel Ingots	1,041,620	5,926	1,047,546	941,684	247	941,931
STEEL CASTINGS -						
Open hearth - Basic	1,429	9,088	10,517	1,441	13,347	14,788
Converter	-	615	615	ero	546	546
Electric	5,515	23,390	28,905	5,290	24,706	29,996
Total Direct Steel Castings	6,944	33,093	40,037	6,731	38,599	45,330
GRAND TOTAL	1,048,564	39,019	1,087,583	948,415	38,846	987,261

Table 6 - AVERAGE MONTHLY PRODUCTION OF PIG IRON, STEEL INGOTS and CASTINGS IN CANADA.
1916-1938. (In 1000's of long tons)

Year	Monthly A	verage	Year	Monthly	Average
	Iron	Steel		Iron	Steel
1916	87	106	1928	86	105
1917	87	130	1929	91	115
1918	89	140	1930	62	84
1919	68	77	1931	56	56
1920	81	92	1932	12	29
1921	50	56	1933	19	54
1922	32	40	1934	34	65
1923	73	74	1955	50	78
1924	49	54	1936	56	95
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)

						P	THE RESERVE AND ADDRESS OF
	P :	I G	IR	0 N	:	STE	EL
NOVA S	COTIA	ONT	ARIO	TOTAL	CANADA	TOTAL C	ANADA
1938	1939	1938	1939	1938	1939	1938	1939
29	16	46	42	75	58	113	78
24	13	37	28	61	41.	99	77
28	12	38	29	66	41	119	96
28	19	38	27	66	46	116	1.00
29	25	43	33	72	58	115	121
19	24	45	29	64	53	109	108
13	23	38	36	5.1.	59	84	111
14	23	36	45	50	66	85	122
13	24	37	42	50	66	74	125
16	24	35	62	51	86	76	150
213	203	393	371	606	574	988	1,088
15		31		46		90	
15		38		53		77	
243		462		705	Millionighandhanna mela zorthuoreku, abi ireni ire	1,155	andimetrick introduction
	1938  29 24 28 28 29 19 13 14 13 16 213	NOVA SCOTIA  1938 1939  29 16 24 13 28 12 28 19 29 25 19 24 13 23 14 23 13 24 16 24 213 203	1938         1939         1938           29         16         46           24         13         37           28         12         38           28         19         38           29         25         43           19         24         45           13         23         38           14         23         36           13         24         37           16         24         35           213         203         393           15         31           15         38	NOVA         SCOTIA         ONTARIO           1938         1939         1938         1939           29         16         46         42           24         13         37         28           28         12         38         29           28         19         38         27           29         25         43         33           19         24         45         29           13         23         38         36           14         23         36         43           13         24         37         42           16         24         35         62           213         203         393         371           15         31         38	NOVA         SCOTIA         ONTARIO         TOTAL           1938         1939         1938         1939         1938           29         16         46         42         75           24         13         37         28         61           28         12         38         29         66           28         19         38         27         66           29         25         43         35         72           19         24         45         29         64           13         23         38         36         51           14         23         36         43         50           13         24         37         42         50           16         24         35         62         51           213         203         393         371         606           15         31         46           15         38         53	NOVA SCOTIA         ONTARIO         TOTAL CANADA           1938         1939         1938         1939           29         16         46         42         75         58           24         13         37         28         61         41           28         12         38         29         66         41           28         19         38         27         66         46           29         25         43         33         72         58           19         24         45         29         64         53           13         23         38         36         51         59           14         23         36         43         50         66           13         24         37         42         50         66           16         24         35         62         51         86           213         203         393         371         606         574           15         31         46         53         53	NOVA SCOTIA         ONTARIO         TOTAL CANADA         TOTAL C           1938         1939         1938         1939         1938         1939         1938           29         16         46         42         75         58         113           24         13         37         28         61         41         99           28         12         38         29         66         41         119           28         19         38         27         66         46         116           29         25         43         35         72         58         115           19         24         45         29         64         53         109           13         23         38         36         51         59         84           14         23         36         43         50         66         83           13         24         37         42         50         66         74           16         24         35         62         51         86         76           213         203         393         371         606         574         9



Table 8 - IRON BLAST FURNACES	11/	CANADA	Ą.
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Name of Company	Location of furnace	Number of Stacks	Total Daily Capacity (Long tons)
Dominion Steel and Coal Corp. Ltd. Canadian Furnace Limited	Sydney, N.S. Port Colborne,	3 1	1,200 350
The Steel Company of Canada, Ltd. The Algoma Steel Corporation	Hamilton, Ont. Sault Ste. Marie, Ont.	2 4	825 1,600

Table 9 - DESCRIPTION OF FURNACES AT END OF OCTOBER, 1939.

Condition of furnaces	Number of	Total Daily	Total Daily Capacity		
Condition of Tarnetes	furnaces	Long tons	Per cent		
In blast	7	3,025	76		
Banked	-	~ ~	-		
Blown out	3	950	24		
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.