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OTTAWA - CANADA

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

JULY - 1941

PIG IRON - Production of pig iron in Canada averaged 3,290 tons a day in July to make a total for the month of 102,005 tons. In the previous month the daily average was 3,744 tons and in July a year ago it was 3,094 tons. This month's total included 84,879 tons of basic iron, 6,208 tons of foundry iron and 10,918 tons of malleable iron.

Furnace charges during July included 177,250 tons of iron ore, 48,789 short tons of limestone and 102,503 short tons of coke. For the first seven months of this year a total of 1,282,236 tons of ore, 344,830 short tons of limestone and 726,241 short tons of coke were charged to iron blast furnaces in Canada. Pig iron production for the year to date amounted to 727,556 tons compared with 645,551 tons during the corresponding period of last year.

FERRO-ALLOYS - Output of 17,599 tons of ferro-alloys in July compares with 14,699 tons made in June and 9,257 tons in July, 1940. This month's total included nine main grades, listed according to tonnage, as follows: ferrosilicon, ferrochrome, ferromanganese, silicomanganese, ferrochrome, silicon, spiegeleisen, silico-spiegel, calcium silicon and ferrophosphorus.

STEEL INGOTS AND CASTINGS - In July Canada produced 188,169 tons of steel ingots and 9,147 tons of steel castings, a total for the month of 197,316 tons. In the previous month output totalled 187,163 tons and in July of 1940 it was reported at 169,577 tons.

During the first seven months of this year 1,345,751 tons of steel were produced against 1,127,823 tons and 691,290 tons during the corresponding periods of 1940 and 1939, respectively.

PRICES - The Canadian iron and steel market held firm in July. The Bureau's index of wholesale prices moved up slightly from 111.8 in June to 111.9, due to higher prices for shovels and spades which advanced the index for hardware from 92.5 to 92.8. Continued active demand for iron and steel products brought mill backlogs to an all time peak, although operations of steel plants and rolling mills were estimated at capacity levels. Pig iron prices remained unchanged, No. 1 foundry delivered at Montreal and Toronto being quoted at \$27.50 and \$26.50 per ton respectively.

PRODUCTION IN THE UNITED STATES (From "The Iron Age") - In the United States the production of coke pig iron averaged 153,896 short tons a day in July, when the operating rate was 97.3 per cent of capacity. This compared with an operating rate of 95.9 per cent and a daily average of 151,772 short tons in June. During the month two furnaces were blown in and two were taken off blast.

(a) PIG IRON AND FERRO-ALLOYSTable 1 - PRODUCTION DURING JULY AND JUNE, 1941 (Tons of 2,240 pounds)

	JULY, 1941			JUNE, 1941		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>PIG IRON -</u>						
Basic	84,879	-	84,879	96,491	699	97,190
Foundry	-	6,208	6,208	-	5,016	5,016
Malleable	-	10,918	10,918	-	10,107	10,107
TOTAL	84,879	17,126	102,005	96,491	15,822	112,313
Ferro-alloys	-	17,599	17,599	-	14,699	14,699

Table 2 - CUMULATIVE PRODUCTION FOR THE SEVEN MONTHS ENDING JULY, 1941 and 1940.

	1 9 4 1			1 9 4 0		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
(tons of 2,240 pounds)						
<u>PIG IRON -</u>						
Basic	605,983	5,451	611,434	526,214	14,618	540,832
Foundry	-	54,091	54,091	99	57,818	57,917
Malleable	647	61,784	62,031	52	46,770	46,782
TOTAL	606,630	120,926	727,556	526,365	119,166	645,551
Ferro-alloys	-	150,479	150,479	-	67,501	67,501

Table 3 - IRON BLAST FURNACE CHARGES DURING JULY AND JUNE AND SEVEN MONTHS ENDING JULY, 1941.

Unit	JULY, 1941	JUNE 1941	SEVEN MONTHS ending JULY, 1941
Iron ore Long tons	177,250	195,537	1,282,236
Limestone Short tons	48,789	54,248	344,830
Coke Short tons	102,503	113,236	726,241

STEEL INGOTS AND CASTINGS

Table 4 - PRODUCTION DURING JULY AND JUNE, 1941 (Tons of 2,240 pounds)

	JULY, 1941			JUNE, 1941		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS -</u>						
Open hearth - Basic	158,604	15,849	174,453	154,225	12,047	166,272
Electric	11,359	2,357	13,716	10,614	1,689	12,303
Total Steel Ingots	169,963	18,206	188,169	164,839	13,736	178,575
<u>STEEL CASTINGS -</u>						
Open hearth - Basic	228	1,833	2,061	234	1,887	2,121
Converter	-	200	200	-	208	208
Electric	2,022	4,864	6,886	1,851	4,408	6,259
Total Steel Castings	2,250	6,897	9,147	2,085	6,503	8,588
GRAND TOTAL	172,213	25,103	197,316	166,924	20,239	187,163

Table 5 - CUMULATIVE PRODUCTION FOR THE SEVEN MONTHS ENDING JULY, 1941 and 1940.

	1 9 4 1			1 9 4 0		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
(Tons of 2,240 pounds)						
<u>STEEL INGOTS -</u>						
Open hearth - Basic	1,136,831	73,312	1,210,143	993,194	21,938	1,015,132
Electric	74,344	5,064	79,408	69,931	-	69,931
Total Steel Ingots..	1,211,175	78,376	1,289,551	1,063,125	21,938	1,085,063
<u>STEEL CASTINGS -</u>						
Open hearth - Basic	1,552	12,287	13,839	1,767	11,222	12,989
Converter	-	1,245	1,245	-	833	833
Electric	12,375	28,741	41,116	7,275	21,663	28,938
Total Steel Castings ..	13,927	42,273	56,200	9,042	22,718	42,760
GRAND TOTAL	1,225,102	120,649	1,345,751	1,072,167	55,656	1,127,823

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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Iron and Steel

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Table 7 - PRODUCTION OF PIG IRON, BY MONTHS AND BY PROVINCES, and STEEL INGOTS AND CASTINGS, BY MONTHS, 1940 and 1941. (In 1000's of long tons)

	P I G		I R O N		S T E E L			
	NOVA SCOTIA		ONTARIO		TOTAL CANADA		TOTAL CANADA	
	1940	1941	1940	1941	1940	1941	1940	1941
January	34	36	71	67	105	103	167	186
February	23	29	64	62	87	91	140	173
March	34	33	58	69	92	102	157	195
April	31	34	53	69	84	103	153	201
May	37	34	56	80	93	114	175	206
June	33	31	56	81	89	112	166	187
July	34	28	62	74	96	102	170	197
TOTAL - 7 MONTHS	226	225	420	502	646	727	1,128	1,345
August	34		55		89		172	
September	32		73		105		165	
October	35		74		109		185	
November	33		77		110		176	
December	35		75		110		185	
TOTAL	395		774		1,169		2,011	

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, Ontario	1	350
The Steel Company of Canada, Ltd.	Hamilton, Ont.	2	975
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	4	1,600

Table 9 - DESCRIPTION OF FURNACES AT END OF JULY, 1941

Condition of Furnaces	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	8	3,275	79.4
Banked	-	-	-
Blown out	2 (x)	850	20.6
Total Furnaces Reporting	10	4,125	100.0

(x) One furnace has not operated for some years.

NOTE - Figures in this report are the latest available at time of printing. Where necessary, date for earlier months have been revised.
Unless otherwise specified, a ton equals 2,240 pounds.