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

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

JUNE - 1941

PIG IRON - Production of pig iron in Canada averaged 3,744 tons per day in June to make a total for the month of 112,313 tons. In May, the previous month, the daily average was 3,665 tons and in June of a year ago it was 2,955 tons. This month's total included 97,190 tons of basic iron, 5,016 tons of foundry iron and 10,107 tons of malleable iron.

During the month of June, 195,537 tons of ore, 54,248 short tons of limestone and 113,236 short tons of coke were charged to iron blast furnaces in Canada to make a cumulative charge for the first half of the year of 1,104,986 tons of ore, 296,041 short tons of limestone and 623,738 short tons of coke. Output of pig iron totalled 625,551 tons in the first six months of 1941 as against 549,627 tons and 296,521 tons during the corresponding periods of 1940 and 1939, respectively.

FERRO-ALLOYS - Output of 14,699 tons of ferro-alloys in June compares with 15,117 tons in May of this year and with 10,128 tons during June, 1940. This month's total was made up of five main grades, listed according to tonnage, as follows: ferrosilicon, ferrochrome, silicomanganese, ferromanganese and ferrophosphorus.

STEEL INGOTS AND CASTINGS - Production of steel ingots and steel castings amounted to 187,163 tons in June compared with 206,110 in the previous month and 166,213 tons in June of last year. This month's total included 178,575 tons of ingots and 8,588 tons of castings.

During the first half of 1941 a total of 1,148,435 tons of steel ingots and castings were produced in Canada as against 958,246 tons and 580,141 tons reported for the first six months of 1940 and 1939, respectively.

PRICES - The Canadian iron and steel market held firm in June and an index of wholesale prices remained at 111.8(x). Indexes of the various sections of the iron and steel group were as follows: pig iron and steel billets, 101.7; rolling mill products, 117.0; pipe, 124.4; hardware, 92.5; wire, 100.4; scrap, 114.4, and miscellaneous iron and steel products, 112.5. Prices of pig iron and steel billets and miscellaneous products held close to the levels established in the early part of 1938. Business continued to expand and backlogs of sheets and plates were more than sufficient to tax mill capacity for the balance of the year. No. 1 foundry pig iron delivered at Montreal and Toronto remained unchanged at \$27.00 and \$26.00 per ton respectively.

(x) Revised.

On June 25, the United States Office of Price Administration and Civilian Supply established maxima prices for the sale of pig iron

UNITED STATES PRODUCTION (From the "Iron Age") - Production of coke pig iron in the United States averaged 151,772 net tons a day in June, a gain of 2.3 per cent over the May average of 148,386 net tons. There was an increase of five active furnaces during the month with the result that about 95.9 per cent of the total capacity was in blast on July 1.

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

	June, 1941			May, 1941		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>PIG IRON</u> -						
Basic	96,491	699	97,190	96,636	148	96,784
Foundry .....	...	5,016	5,016	...	9,177	9,177
Malleable .....	...	10,107	10,107	...	7,663	7,663
TOTAL	96,491	15,822	112,313	96,636	16,988	113,624
Ferro-alloys .....	...	14,699	14,699	...	15,117	15,117

Table 2 - CUMULATIVE PRODUCTION FOR THE SIX MONTHS ENDING JUNE, 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	521,104	5,451	526,555	445,985	13,259	459,244
Foundry .....	...	47,883	47,883	99	51,648	51,747
Malleable	647	50,466	51,113	52	38,584	38,636
TOTAL	521,751	103,800	625,551	446,136	103,491	549,627
Ferro-alloys .....	...	87,880	87,880	...	58,244	58,244

Table 3 - IRON BLAST FURNACE CHARGES DURING JUNE AND MAY AND SIX MONTHS ENDING JUNE, 1941

Unit	JUNE, 1941	MAY, 1941	SIX MONTHS ending JUNE, 1941
Iron ore Long tons	195,537	198,409	1,104,986
Limestone Short tons	54,248	52,986	296,041
Coke Short tons	113,236	111,904	623,738

STEEL INGOTS AND CASTINGS

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

	JUNE, 1941			MAY, 1941		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
STEEL INGOTS -						
Open hearth - Basic	154,225	12,047	166,272	167,129	17,938	185,067
Electric	10,614	1,689	12,303	11,561	486	12,047
Total Steel Ingots	164,839	13,736	178,575	178,690	18,424	197,114
STEEL CASTINGS -						
Open hearth - Basic	234	1,887	2,121	222	2,287	2,509
Converter .....	...	208	208	...	158	158
Electric	1,851	4,408	6,259	1,931	4,398	6,329
Total Steel Castings	2,085	6,503	8,588	2,153	6,843	8,996
GRAND TOTAL	166,924	20,239	187,163	180,843	25,267	206,110

Table 5 - CUMULATIVE PRODUCTION FOR THE SIX MONTHS ENDING JUNE, 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)						
STEEL INGOTS -						
Open hearth - Basic	978,227	57,463	1,035,690	844,333	17,292	861,625
Electric	62,985	2,707	65,692	58,937	...	58,937
Total Steel Ingots	1,041,212	60,170	1,101,382	903,270	17,292	920,562
STEEL CASTINGS -						
Open hearth - Basic	1,324	10,454	11,778	1,534	10,329	11,863
Converter .....	...	1,045	1,045	...	707	707
Electric	10,353	23,877	34,230	6,034	19,080	25,114
Total Steel Castings	11,677	35,376	47,053	7,568	30,116	37,684
GRAND TOTAL	1,052,889	95,546	1,148,435	910,838	47,408	958,246

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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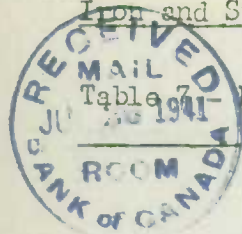


Table 7 - PRODUCTION OF PIG IRON, BY MONTHS AND BY PROVINCES, and STEEL INGOTS AND CASTINGS, BY MONTHS, 1940 and 1941 (In 1000's of long tons)

	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
TOTAL - 6 MONTHS ..	192	197	358	428	550	625	958	1,148
July	34		62		96		170	
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 JUNE, 1941

Condition of Furnaces	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	9	3,825	92.8
Banked .....	...	...	...
Blown out	1(x)	300	7.2
Total Furnaces Reporting	10	4,125	100.0

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

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