

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

JULY, 1939

PIG IRON - July production of pig iron in Canada amounted to 59,587 tons. In June the output was 52,805 tons, and in July of a year ago 51,238 tons.

During the current month, 99,649 long tons of iron ore, 28,400 short tons of limestone and 60,964 short tons of coke were charged to iron blast furnaces in Canada. The total charges for the first seven months of this year amounted to 607,762 tons of ore, 183,200 tons of limestone and 361,902 tons of coke; from these materials a total of 356,108 tons of pig iron were produced. In the first seven months of last year, the output totalled 455,396 tons.

FERRO-ALLOYS - Output of ferro-alloys amounted to 6,475 tons during July compared with 10,015 tons in the previous month and 4,129 tons in July, 1938. Ferro-silicon made up the bulk of this month's tonnage, the balance being spiegeleisen.

STEEL INGOTS AND CASTINGS - The July production of steel ingots and direct steel castings amounted to 111,149 tons, which was 3 per cent more than the total of 107,902 tons made in the previous month. The output of steel ingots rose to 107,810 tons from 103,953 tons in June and steel castings dropped to 3,339 tons from 3,949 tons.

During the first seven months of this year 691,290 tons of steel were produced against 754,668 made during the corresponding period of last year.

PRICES - Prices of iron and steel products held generally steady in the Canadian market in July. There was some shading off in domestic orders due chiefly to seasonal slackness in the automobile industry. Building trades, however, furnished good support and a fairly well sustained demand, from manufacturers of electric refrigerators and stoves also was reported. Export business was well maintained. The Dominion Bureau of Statistics index number of wholesale prices of Iron and Its Products on the base of 1926 = 100 was 97.4, the same as in the previous month. Foundry pig iron delivered f.o.b. cars Montreal remained at \$24.00 per gross ton, unchanged since July 1938.

(a) PIG IRON and FERRO-ALLOYS

Table 1 - Production during July and June, 1939. (Tons of 2,240 pounds)

	J U L Y			J U N E		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON -						
Basic	53,093	6,494	59,587	50,118	60	50,178
Foundry	-	-	-	-	399	399
Malleable	-	-	-	-	2,228	2,228
TOTAL	53,093	6,494	59,587	50,118	2,687	52,805
Ferro-alloys	-	6,475	6,475	-	10,015	10,015

Table 2 - Cumulative Production for the SEVEN MONTHS ending JULY, 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	318,688	11,229	329,917	376,899	3,946	380,845
Foundry	-	17,742	17,742	-	33,887	33,887
Malleable	-	8,449	8,449	582	40,082	40,664
TOTAL	318,688	37,420	356,108	377,481	77,915	455,396
Ferro-alloys	-	37,379	37,379	-	37,288	37,288

Table 3 - Iron Blast Furnace Charges during JULY, JUNE, and SEVEN MONTHS ending JULY, 1939

	Unit	JULY	JUNE	SEVEN MONTHS
Imported iron ore	Long ton	99,649	90,744	607,762
Limestone	Short ton	28,400	27,125	183,200
Coke	Short ton	60,964	55,795	361,902

(b) STEEL INGOTS and CASTINGS

Table 4 - PRODUCTION FOR JULY and JUNE, 1939 (Tons of 2,240 pounds)

	J U L Y			J U N E		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
STEEL INGOTS -						
Open hearth - Basic	101,754	-	101,754	97,301	210	97,511
Electric	6,056	-	6,056	6,442	-	6,442
Other	-	-	-	-	-	-
Total Steel Ingots	107,810	-	107,810	103,743	210	103,953
STEEL CASTINGS -						
Open hearth - Basic	91	452	543	97	678	775
Converter	-	63	63	-	90	90
Electric	612	2,121	2,733	717	2,367	3,084
Total Direct Steel Castings	703	2,636	3,339	814	3,135	3,949
GRAND TOTAL	108,513	2,636	111,149	104,557	3,345	107,902

Table 5 - Cumulative Production for the SEVEN MONTHS ending JULY, 1939 and 1938

	1 9 3 9			1 9 3 8		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS -</u>						
Open hearth - Basic	632,849	555	633,404	680,974	247	681,221
Electric	31,321	-	31,321	37,494	-	37,494
Other	-	-	-	-	-	-
Total Steel Ingots	664,170	555	664,725	718,468	247	718,715
<u>STEEL CASTINGS -</u>						
Open hearth - Basic	967	5,683	6,650	1,164	11,372	12,536
Converter	-	374	374	-	388	388
Electric	4,247	15,294	19,541	4,341	18,688	23,029
Total Direct Steel Castings	5,214	21,351	26,565	5,505	30,448	35,953
GRAND TOTAL	669,384	21,906	691,290	723,973	30,695	754,668

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
January	29	16	46	42	75	58
February	24	13	37	28	61	41
March	28	12	38	29	66	41
April	28	19	38	27	66	46
May	29	25	43	33	72	58
June	19	24	45	29	64	53
July	13	23	38	37	51	60
TOTAL - SEVEN MONTHS	170	132	285	225	455	357
August	14		36		50	
September	13		37		50	
October	16		35		51	
November	15		31		46	
December	15		38		53	
TOTAL FOR YEAR	243		462		705	
						1,155



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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, Ltd.	Hamilton, Ont.	2	825
The Algoma Steel Corporation	Sault Ste. Marie, Ont.	4	1,600

Table 9 - DESCRIPTION OF FURNACES AT END OF JULY, 1939

Condition of furnaces	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	5	2,300	58
Banked
Blown out	5	1,675	42
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.