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DEPARTMENT OF TRADE AND COMMERCE
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OTTAWA - CANADA

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

SEPTEMBER, 1938

PIG IRON - Production of pig iron in Canada totalled 49,972 long tons in September compared with 49,477 tons made in the previous month and 76,180 tons in September of 1937. This month's output included 33,056 tons of basic iron, 9,434 tons of foundry iron and 7,482 tons of malleable iron.

During the month 83,892 long tons of iron ore, 51,214 short tons of coke and 24,902 short tons of limestone were charged to iron blast furnaces in Canada to make a total charge for the first nine months of this year of 978,066 tons of ore, 551,430 tons of coke and 278,185 tons of limestone. From these materials a total of 554,845 tons of pig iron was produced. During the corresponding period of last year production was reported at 654,438 tons.

FERRO-ALLOYS - September output of ferro-alloys at 3,174 tons compares with the 1,857 tons of August and 7,720 tons in September of a year ago. This month's total included spiegeleisen, ferrosilicon and ferromanganese.

STEEL INGOTS AND CASTINGS - Production of steel ingots and castings amounted to 73,556 tons in September. In the previous month the tonnage was reported at 82,781 tons and in September 1937 at 114,622 tons.

For the nine months ending September 1938 the cumulative production was 911,005 tons against 1,077,462 made in the corresponding period of a year ago.

PRICES - With the passing of the holiday season, trade on iron and steel products showed steady improvement and prices held firm. Sales of spot tonnages increased with demand originating mostly from mining concerns and from plants manufacturing agricultural implements while automobile manufacturers also showed more interest. No large contracts were reported but most mills had sufficient backlogs to maintain operations at about 80 p.c. capacity. Scrap iron and steel were in better demand and price advances ranging from 50¢ to \$1.00 per ton for this material were recorded. The Dominion Bureau of Statistics index number of wholesale prices on the base 1926=100 rose from 98.0 in August to 98.2 in September. Foundry pig iron delivered f.o.b. cars at Montreal was unchanged at \$24.00 per gross ton.

UNITED STATES - In the United States the production of coke pig iron in September, on a daily basis, increased 16.2 per cent over that in August, or from 48,193 tons a day to 56,015 tons, and was the highest daily rate since November last year, when it was 66,891 tons. During the month, nine furnaces were put in blast and two taken off, a net gain of seven active furnaces.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - PRODUCTION DURING SEPTEMBER AND AUGUST, 1938. (Tons of 2,240 pounds)

	SEPTEMBER, 1938			AUGUST, 1938		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON ..						
Basic	33,056	...	33,056	30,205	8,430	38,635
Foundry .....	...	9,434	9,434	...	7,448	7,448
Malleable .....	...	7,482	7,482	...	3,394	3,394
TOTAL	33,056	16,916	49,972	30,205	19,272	49,477
Ferro-alloys .....	...	3,174	3,174	...	1,857	1,857

Table 2 - CUMULATIVE PRODUCTION FOR THE NINE MONTHS ending SEPTEMBER, 1938 and 1937.

(Tons of 2,240 pounds)

	1938			1937		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON ..						
Basic	440,160	12,376	452,536	505,895	30,368	536,263
Foundry .....	...	50,769	50,769	40	72,868	72,908
Malleable	582	50,958	51,540	1,642	43,625	45,267
TOTAL	440,742	114,103	554,845	507,577	146,861	654,438
Ferro-alloys .....	...	42,319	42,319	...	55,636	55,636

Table 3 - IRON BLAST FURNACE CHARGES DURING SEPTEMBER, AUGUST, and YEAR TO DATE.

	Unit	SEPTEMBER	AUGUST	YEAR TO DATE
Imported iron ore	Long ton	83,892	88,558	978,066
Coke	Short ton	51,214	49,669	551,430
Limestone	Short ton	24,902	24,503	278,185

(b) STEEL INGOTS and CASTINGS

Table 4 - PRODUCTION FOR SEPTEMBER and AUGUST, 1938. (Tons of 2,240 pounds)

	SEPTEMBER, 1938			AUGUST, 1938.		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
STEEL INGOTS ..						
Open hearth - Basic ..	66,766	...	66,766	74,572	...	74,572
Electric	4,007	...	4,007	3,914	...	3,914
Other .....	...	...	...	...	...	...
TOTAL STEEL INGOTS ..	70,773	...	70,773	78,486	...	78,486
STEEL CASTINGS ..						
Open hearth - Basic ..	86	578	664	94	1,117	1,211
Bessemer .....	...	51	51	...	46	46
Electric	342	1,726	2,068	254	2,784	3,038
TOTAL DIRECT STEEL CASTINGS	428	2,355	2,783	348	3,947	4,295
GRAND TOTAL	71,201	2,355	73,556	78,834	3,947	82,781

Table 5 - CUMULATIVE PRODUCTION FOR THE NINE MONTHS ENDING SEPTEMBER, 1938 and 1937.

	1 9 3 8			1 9 3 7		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
STEEL INGOTS -						
Open hearth - Basic ...	822,312	247	822,559	980,129	266	980,395
Electric	45,415	...	45,415	43,455	...	43,455
Other .....	...	...	...	...	...	...
TOTAL STEEL INGOTS ...	867,727	247	867,974	1,023,584	266	1,023,850
STEEL CASTINGS -						
Open hearth - Basic ...	1,344	13,067	14,411	1,674	18,935	20,609
Bessemer .....	...	485	485	...	748	748
Electric	4,937	23,198	28,135	4,199	28,056	32,255
TOTAL DIRECT STEEL CASTINGS	6,281	36,750	43,031	5,873	47,739	53,612
GRAND TOTAL	874,008	36,997	911,005	1,029,457	48,005	1,077,462

Table 6 - AVERAGE MONTHLY PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS IN CANADA, 1916 - 1937. (In 1000's of long tons)

Year	Monthly Average		Year	Monthly Average	
	Iron	Steel		Iron	Steel
1916	87	106	1927	59	76
1917	87	130	1928	86	103
1918	89	140	1929	91	115
1919	68	77	1930	62	84
1920	81	92	1931	36	56
1921	50	56	1932	12	29
1922	32	40	1933	19	34
1923	73	74	1934	34	63
1924	49	54	1935	50	78
1925	48	63	1936	56	93
1926	63	64	1937	75	117

Table 7 - PRODUCTION OF PIG IRON, BY MONTHS and BY PROVINCES, and STEEL INGOTS and CASTINGS, BY MONTHS, 1937 and 1938. (In 1000's of long tons)

Month	PIG IRON						S T E E L	
	NOVA SCOTIA		ONTARIO		TOTAL CANADA		: TOTAL CANADA	
	1937	1938	1937	1938	1937	1938	1937	1938
January	28	29	38	46	66	75	115	112
February	25	24	37	37	62	61	112	99
March	29	28	42	38	71	66	125	119
April	28	28	40	38	68	66	121	116
May	27	29	51	43	78	72	121	115
June	27	19	51	45	78	64	119	109
July	26	13	54	38	80	51	123	84
August	26	14	49	35	75	49	127	83
September	26	13	50	37	76	50	115	74
TOTAL FOR NINE MONTHS	242	197	412	357	654	554	1,078	911
October	25		56		81		115	
November	27		54		81		111	
December	28		53		81		98	
TOTAL FOR YEAR	322		575		897		1,402	



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Table 8 - IRON BLAST FURNACES IN CANADA, 1937.

Names of Companies	Location of Furnaces	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 SEPTEMBER, 1938.

Condition of furnaces	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	5	2,175	55
Banked	0	0	0
Blown out	5	1,800	45
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.