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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

SEPTEMBER, 1939.

PIG IRON - Production of pig iron in Canada amounted to 65,954 tons during September compared with 65,920 tons in the previous month and 49,972 tons in September of last year. Output in the current month included 55,259 tons of basic iron, 7,326 tons of foundry iron and 3,369 tons of malleable iron.

For the first nine months of this year a total of 844,389 long tons of iron ore, 244,541 tons of limestone and 501,351 tons of coke were charged to iron blast furnaces in Canada to produce 487,982 tons of pig iron. Output during the first three quarters of 1938 amounted to 554,845 tons and during the corresponding period of 1937 to 654,438 tons.

FERRO-ALLOYS - Output of ferro-alloys advanced sharply in September to 10,406 tons from 3,313 tons in the previous month and 3,174 tons in September, 1938. This month's total included four grades listed according to tonnage as follows: spiegeleisen, ferrosilicon, ferromanganese and ferrochrome.

STEEL INGOTS AND CASTINGS - Production of steel ingots and castings totalled 124,384 in September compared with 122,019 in August of this year and with 73,556 tons in September of a year ago. This month's output included 120,236 tons of ingots and 4,148 tons of castings.

During the nine months ending September the cumulative output of steel ingots and castings totalled 937,693 tons against 911,005 tons and 1,077,462 tons during the corresponding periods of 1938 and 1937, respectively.

PRICES -- Gauged by the composite price index, iron and steel products advanced about 2 per cent between mid August and September. Major gains occurred for pig iron which moved up \$3.00 per ton and scrap iron which rose \$1.00 per ton. Steel sheets, tinplate, tankplates, structural steel shapes and scrap steel also moved forward in varying amounts. Both export and domestic sales were well maintained, with the latter being supported chiefly by substantial orders from auto manufacturing firms and continued activity in the building trades. During the month, an embargo was placed on exports of scrap iron and steel except to war-time allies. Exports of other scrap metals were allowed only by special licence. No. 1 foundry pig iron, f.o.b. cars Montreal rose from \$24.00 per long ton in August to \$27.00 per long ton in September.

Pig iron figures in the United States show an average output of 95,952 tons a day in September or an increase of 11.8 per cent over the rate in August of 85,800 tons per day. During the month 31 additional furnaces were put in blast. No furnaces were blown out or banked..(Taken from the "Iron Age".)

(a) PIG IRON AND FERRO-ALLOYS

Table I - Production during September and August, 1939. (Tons of 2,240 pounds)

	S E P T E M B E R			A U G U S T		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>PIG IRON</u> -						
Basic .....	51,850	3,409	55,259	52,208	3,054	55,262
Foundry .....	-	7,326	7,326	-	7,713	7,713
Malleable .....	-	3,369	3,369	-	2,945	2,945
TOTAL .....	51,850	14,104	65,954	52,208	13,712	65,920
Ferro-alloys .....	-	10,406	10,406	-	3,313	3,313

Table 2 - Cumulative Production for the NINE MONTHS ending SEPTEMBER, 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
<u>PIG IRON</u> -						
Basic .....	422,746	17,692	440,438	440,160	12,376	452,536
Foundry .....	-	32,781	32,781	-	50,769	50,769
Malleable .....	-	14,763	14,763	582	50,958	51,540
TOTAL .....	422,746	65,236	487,982	440,742	114,103	554,845
Ferro-alloys .....	-	51,098	51,098	-	42,319	42,319

Table 3 - Iron Blast Furnace Charges during SEPTEMBER, AUGUST, and NINE MONTHS ending SEPTEMBER, 1939.

	Unit	SEPTEMBER	AUGUST	NINE MONTHS
Iron ore .....	Long ton	120,267	116,360	844,389
Limestone .....	Short ton	30,948	30,393	244,541
Coke .....	Short ton	68,414	71,035	501,351

(b) STEEL INGOTS and CASTINGS

Table 4 - PRODUCTION FOR SEPTEMBER AND AUGUST, 1939. (Tons of 2,240 pounds)

	S E P T E M B E R			A U G U S T		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u> -						
Open hearth - Basic .....	112,855	26	112,881	111,560	25	111,585
Electric .....	7,347	8	7,355	7,199	-	7,199
Other .....	-	-	-	-	-	-
Total Steel Ingots .....	120,202	34	120,236	118,759	25	118,784
<u>STEEL CASTINGS</u> -						
Open hearth - Basic .....	114	981	1,095	99	557	656
Converter .....	-	87	87	-	70	70
Electric .....	342	2,624	2,966	321	2,188	2,509
Total Direct Steel Castings	456	3,692	4,148	420	2,815	3,235
GRAND TOTAL .....	120,658	3,726	124,384	119,179	2,840	122,019

Table 5 - CUMULATIVE PRODUCTION for the NINE MONTHS ending SEPTEMBER, 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 .....	857,264	606	857,870	822,312	247	822,559
Electric .....	45,867	8	45,875	45,415	-	45,415
Other .....	-	-	-	-	-	-
Total Steel Ingots .....	903,131	614	903,745	867,727	247	867,974
<u>STEEL CASTINGS -</u>						
Open hearth - Basic .....	1,180	7,221	8,401	1,344	13,067	14,411
Converter .....	-	531	531	-	485	485
Electric .....	4,910	20,106	25,016	4,937	23,198	28,135
Total Direct Steel Castings	6,090	27,858	33,948	6,281	36,750	43,031
GRAND TOTAL .....	909,221	28,472	937,693	874,008	36,997	911,005

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

Year	Monthly Iron	Average Steel	Year	Monthly Iron	Average 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 1929. (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	1938	1939
January .....	29	16	46	42	75	58	113	78
February .....	24	13	37	28	61	41	99	77
March .....	28	12	38	29	66	41	119	96
April .....	28	19	38	27	66	46	116	100
May .....	29	25	43	33	72	58	115	121
June .....	19	24	45	29	64	53	109	108
July .....	13	23	38	37	51	60	84	111
August .....	14	23	36	43	50	66	83	122
September .....	13	24	37	42	50	66	74	125
TOTAL - NINE MONTHS .....	197	179	358	310	555	489	912	938
October .....	16		35		51		76	
November .....	15		31		46		90	
December .....	15		38		53		77	
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 SEPTEMBER, 1939.

Condition of furnaces	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast .....	6	2,475	62
Banked .....	-	-	-
Blown out .....	4	1,500	38
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.