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CENSUS OF INDUSTRY  
MINING, METALLURGICAL AND CHEMICAL BRANCH  
OTTAWA - CANADA

DOMINION BUREAU OF STATISTICS

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

SEPTEMBER, 1936.

PIG IRON - Production of 51,892 long tons of pig iron in Canada during September represented an increase of 35 per cent over the 38,570 tons of August which in turn was 10 per cent over the low for the year of 34,988 tons in July. Data for September when compared with figures for the previous month showed an improvement in the output of all grades; basic iron advanced to 33,179 tons from 27,884 tons, foundry iron to 9,764 tons from 6,203 tons and malleable iron to 8,949 tons from 4,483 tons.

During the month one additional furnace was blown in at Sydney, Nova Scotia, with the result that 5 furnaces were in blast on September 30th. The active furnaces had a capacity of 2,075 tons a day, or about 49 per cent of the total capacity of all the iron furnaces in Canada, and were located as follows: 2 at Sydney, N.S., 2 at Hamilton, Ont., and 1 at Port Colborne, Ont.

For the nine months ending September 30, 1936, the cumulative production of pig iron totalled 465,785 tons against 419,064 tons and 279,090 tons made in the corresponding periods of 1935 and 1934, respectively.

FERRO-ALLOYS - Output of ferro-alloys at 5,027 tons in September compares with 9,290 tons in the previous month and 4,513 tons in September, 1935. This month's tonnage included three grades - spiegeleisen, ferromanganese and ferrosilicon.

STEEL INGOTS AND CASTINGS - Production of 86,077 tons of steel ingots and direct steel castings in Canada during September was 7 per cent higher than the 80,164 tons of August and 5 per cent lower than the 90,952 tons reported for September of a year ago.

For the first nine months of this year production totalled 813,734 tons, comparable figures for the corresponding periods of other years amounting to 647,704 tons and 585,162 tons in 1935 and 1934, respectively.

PRICES - No special developments in the iron and steel industry were recorded, prices remained firm and the general undertone was regarded as strong. Little contract buying was reported but minor gains were shown in spot sales, due chiefly to steady and increased orders for requirements of the mining and automobile manufacturing industries. The Dominion Bureau of Statistics index number of "Iron and Its Products" on the base 1926 - 100, rose from 87.9 in August to 88.2 in September, owing mainly to higher quotations for scrap steel. Prices of foundry pig iron were unchanged from the previous month. No. 1 foundry was quoted at \$22.00 per long ton delivered at Montreal and at \$21.50 delivered at Toronto. No. 2 foundry delivered at these respective points was \$21.50 and \$21.00 per long ton.

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UNITED STATES - Production of pig iron in the United States during September averaged 91,010 tons a day, a gain of 4.2 per cent over the 87,475 tons per day in August. 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, 1936. (Tons of 2,240 lb.)

	SEPTEMBER, 1936			AUGUST, 1936.		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON -						
Basic .....	33,179	...	33,179	27,884	...	27,884
Foundry .....	...	9,764	9,764	...	6,203	6,203
Malleable .....	43	8,906	8,949	...	4,483	4,483
TOTAL .....	33,222	18,670	51,892	27,884	10,686	38,570
Ferro-alloys .....	...	5,027	5,027	...	9,290	9,290

Table 2 - Cumulative Production for the NINE MONTHS ending SEPTEMBER, 1936 and 1935. (Tons of 2,240 lb.)

	1936				1935			
	1	9	3	6	1	9	3	5
	For own use	For sale	TOTAL		For own use	For sale	TOTAL	
PIG IRON -								
Basic .....	357,622	984	358,606	319,592	13,271	332,863		
Foundry .....	1,300	57,204	58,504	...	43,945	43,945		
Malleable .....	1,997	46,678	48,675	...	42,256	42,256		
TOTAL .....	360,919	104,866	465,785	319,592	99,472	419,064		
Ferro-alloys .....	...	56,087	56,087	...	37,867	37,867		

Table 3 - Iron Blast Furnace Charges, SEPTEMBER, AUGUST, and YEAR TO DATE, 1936.

	SEPTEMBER	AUGUST	YEAR TO DATE
Imported iron ore .....	89,228	65,834	827,140
Canadian limestone .....	11,019	10,765	87,268
Imported limestone .....	13,505	7,687	148,020
Coke made in Canada -			
From Canadian coal .....	18,156	13,369	208,640
From imported coal .....	22,137	22,287	210,624
Imported coke .....	10,234	2,652	46,578



(B) STEEL INGOTS AND DIRECT CASTINGS.

Table 4 - Production for SEPTEMBER and AUGUST, 1936. (Tons of 2,240 lb.)

	SEPTEMBER, 1936			AUGUST, 1936		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic .....	80,597	...	80,597	74,755	...	74,755
Electric .....	2,879	...	2,879	3,091	...	3,091
Other .....	...	...	...	...	...	...
Total Steel Ingots .....	83,476	...	83,476	77,846	...	77,846

<u>STEEL CASTINGS</u>						
Open hearth - Basic .....	87	672	759	99	557	656
Bessemer .....	...	25	25	...	38	38
Electric .....	218	1,599	1,817	150	1,474	1,624
Total Direct Steel Castings ...	305	2,296	2,601	249	2,069	2,318
GRAND TOTAL .....	83,781	2,296	86,077	78,095	2,069	80,164

Table 5 - Cumulative Production for the NINE MONTHS ending SEPTEMBER, 1936 and 1935.

	1 9 3 6			1 9 3 5		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic .....	757,299	105	757,404	603,032	710	603,742
Electric .....	30,190	...	30,190	23,027	...	23,027
Other .....	...	...	...	...	...	...
Total Steel Ingots .....	787,489	105	787,594	626,059	710	626,769

<u>STEEL CASTINGS</u>						
Open hearth - Basic .....	998	7,003	8,001	1,108	4,627	5,735
Bessemer .....	...	347	347	...	430	430
Electric .....	2,751	15,041	17,792	2,508	12,262	14,770
Total Direct Steel Castings ..	3,749	22,391	26,140	3,616	17,319	20,935
GRAND TOTAL .....	791,238	22,496	813,734	629,675	18,029	647,704

Table 6 - Average Monthly Production of Pig Iron, Steel Ingots and Castings in Canada, 1916 - 1935. (In 1000's of long tons)

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

Table 7 - Production of Pig Iron by Months and by Provinces, and Steel Ingots and Castings, by Months, 1935 and 1936. (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	TOTAL CANADA	TOTAL CANADA		
	1935	1936	1935	1936	1935	1936		
January .....	17	18	27	43	44	61	60	100
February .....	16	21	21	35	37	56	56	94
March .....	17	22	28	32	45	54	58	101
April .....	16	23	27	31	43	54	69	107
May .....	16	27	29	32	45	59	73	95
June .....	15	27	30	29	45	56	73	82
July .....	17	12	34	23	51	35	86	69
August .....	17	11	37	28	54	39	82	80
September .....	17	15	37	37	54	52	91	86
October .....	11		35		46		95	
November .....	23		42		65		94	
December .....	26		45		71		99	
TOTAL .....	208	176	392	290	600	466	936	814
Monthly Average ....	17	20	33	32	50	52	78	90

Table 8 - Iron Blast Furnaces in Canada, 1936.

Names of Companies	Location of furnaces	Number of stacks	Total Daily Capacity (long tons)
Dominion Steel & Coal Corp. Ltd.	Sydney, N.S.	4	1,450
Canadian Furnace Co. Ltd.	Port Colborne, Ont.	1	350
The Steel Company of Canada, Limited	Hamilton, Ont.	2	825
Algoma Steel Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,600

Table 9 - Description of Furnaces at end of September, 1936.

Condition of furnace	Number of furnaces	TOTAL DAILY CAPACITY	
		Long tons	Per cent
In blast .....	5	2,075	49
Banked .....	1	450	11
Blown out .....	5	1,700	40
Total Furnaces reporting .....	11	4,225	100

NOTE - Figures in this report are the latest available at time of printing. Where necessary, data for earlier months have been revised.