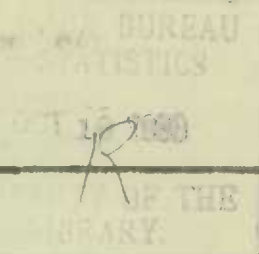


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DOMINION BUREAU OF STATISTICS



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Monthly Report

on

**PRODUCTION OF IRON AND STEEL**

in Canada

SEPTEMBER 1930

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

**DOMINION BUREAU OF STATISTICS, CANADA**  
**DOMINION STATISTICIAN -- R. H. COATS, B. A., F. S. S. (Hon.), F.R.S.C.**

W. H. LOSEE, B. Sc. -- Chief of the  
**MINING, METALLURGICAL AND CHEMICAL BRANCH**

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**PRODUCTION OF IRON AND STEEL IN CANADA**

**SEPTEMBER 1930**

**PIG IRON.**— Production of pig iron in Canada during September amounted to 48,395 long tons. This was the fourth successive month to show a new low for the year to date, the tonnage for September being 16 per cent under the total of 57,459 tons for August, 51 per cent less than the 98,816 tons made in September of a year ago, and the lowest reported for any corresponding month since September, 1925, when the output was only 34,609 tons. The decline from August was mostly in the foundry grade which dropped to 1,991 tons from 14,114 tons but there was also a slight falling off in basic iron to 35,044 tons from 36,067 tons; these losses were partially offset by the advance in malleable iron to 11,360 tons from 7,278 tons.

For the first three quarters of this year the cumulative production of pig iron was 621,716 tons as compared with 829,687 tons in the first nine months of last year, and 745,473 tons during the corresponding period of 1928. This year's output to date included 432,172 tons of basic iron, 131,532 tons of foundry iron, and 58,012 tons of malleable iron.

Blast furnace charges during the month under review included 83,459 long tons of iron ore, 27,459 short tons of limestone and 51,381 short tons of coke. Furnace charges for the year to date included 1,100,813 tons of imported iron ore, 239,530 tons of imported limestone, 91,700 tons of Canadian limestone, 57,646 tons of imported coke, 198,746 tons of coke made from Canadian coal and 401,350 tons of coke made in Canada from imported coal.

During the month one furnace at Hamilton, Ontario, was blown out with the result that only 4 furnaces were active in Canada on September 30, 1930. They had a capacity of 1,750 long tons per day, or about 41 per cent of the total capacity of all iron blast furnaces in Canada and were located as follows: 1 at Sydney, N.S., 1 at Hamilton, Ont., 1 at Port Colborne, Ont., and 1 at Sault Ste. Marie, Ont.

FERRO-ALLOYS.- Production of ferro-alloys in Canada during September at 3,012 tons was slightly under the total of 3,397 tons reported for August. For the nine months ending September, the output totalled 54,703 tons as compared with 64,499 tons and 33,414 tons made during the corresponding period of 1929 and 1928, respectively.

STEEL INGOTS AND CASTINGS.- September production of steel ingots and direct steel castings at 55,808 tons showed little change from the total of 57,626 tons of the previous month but was 44 per cent under the 99,000 tons produced in September, 1929. Output of steel ingots dropped to 53,068 tons from 54,402 tons and steel castings declined to 2,740 tons from 3,224 tons.

For the first nine months of this year the output totalled 810,851 tons, a decline of 25 per cent from the 1,087,951 tons made during the corresponding period of last year which in turn was 18 per cent over the 919,710 tons made during the first three-quarters of 1928. This year's output included 763,726 tons of steel ingots and 47,125 tons of steel castings.

PRICES.- Prices for pig iron remained unchanged with sales showing a slight improvement although orders still continued to be for small lots. No. 1 and No. 2 foundry pig iron delivered at Toronto were quoted at \$22.60 and \$22.10 per gross ton and at Montreal at \$24.00 and \$23.50 per gross ton. The Bureau's index number for Iron and Its Products fell fractionally from 90.8 to 90.6, chiefly on account of reductions in the prices of steel tank plates, automobile body plates, and steel sheets.

UNITED STATES.- In the United States the production of pig iron, declining 6.8 per cent in September, reached the lowest rate since the same month in 1924. The daily average output was 75,890 tons as against 81,417 tons per day in August. During the month 18 furnaces were blown out and 2 were lighted, a net loss of 16.

PIG IRON AND FERRO-ALLOYS IN CANADA

Table 1. PRODUCTION FOR THE CURRENT AND PRECEDING MONTH (Tons of 2240 lb.)

ITEM	SEPTEMBER 1930			AUGUST 1930		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	34,675	369	35,044	35,528	539	36,067
Foundry.....	-----	1,991	1,991	-----	14,114	14,114
Malleable.....	-----	11,360	11,360	-----	7,278	7,278
TOTAL.....	34,675	13,720	48,395	35,528	21,931	57,459
Ferro-alloys .....	-----	3,012	3,012	-----	3,397	3,397

Table 2. CUMULATIVE PRODUCTION FOR THE NINE MONTHS ENDING SEPTEMBER  
(Tons of 2240 lb.)

ITEM	1930			1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	427,604	4,568	432,172	601,441	11,800	613,241
Foundry.....	864	130,668	131,532	6,605	156,429	163,034
Malleable.....	-----	58,012	58,012	758	52,654	53,412
TOTAL.....	428,468	193,248	621,716	608,804	220,883	829,687
Ferro-alloys .....	-----	54,703	54,703	-----	64,499	64,499

Table 3. BLAST FURNACE CHARGES - SEPTEMBER, AUGUST AND YEAR TO DATE.

	SEPTEMBER	AUGUST	YEAR TO DATE
Imported Iron ore..... Long tons	83,459	100,634	1,100,813
Canadian Limestone..... Short tons	6,787	8,744	91,700
Imported Limestone..... " "	20,672	21,201	239,530
Coke made in Canada:-			
From Canadian coal..... " "	17,527	18,786	198,746
From Imported coal..... " "	24,543	32,820	401,350
Imported coke..... " "	9,311	9,426	57,646

# STEEL INGOTS AND CASTINGS IN CANADA

Table 4 PRODUCTION FOR THE CURRENT AND PRECEDING MONTH (Tons of 2240 lb.)

ITEM	September 1930			AUGUST 1930		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	51,050	-----	51,050	52,622	48	52,670
Acid	-----	-----	-----	-----	-----	-----
Electric	1,646	-----	1,646	1,275	-----	1,275
Other	372	-----	372	457	-----	457
TOTAL STEEL INGOTS	53,068	-----	53,068	54,354	48	54,402
STEEL CASTINGS:						
Open Hearth-Basic	116	1,303	1,419	120	1,708	1,828
Acid	-----	-----	-----	-----	-----	-----
Bessemer	4	126	130	4	218	222
Electric	40	1,151	1,191	34	1,140	1,174
TOTAL DIRECT STEEL CASTINGS	160	2,580	2,740	158	3,066	3,224
GRAND TOTAL	53,228	2,580	55,808	54,512	3,114	57,626

Table 5 CUMULATIVE PRODUCTION for the NINE MONTHS ending SEPTEMBER

	1930			1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	737,839	618	738,457	1,015,236	4,047	1,019,283
Acid	-----	-----	-----	-----	-----	-----
Electric	18,228	-----	18,228	8,367	-----	8,367
Other	7,041	-----	7,041	6,204	-----	6,204
TOTAL STEEL INGOTS	763,108	618	763,726	1,029,807	4,047	1,033,854
STEEL CASTINGS:						
Open Hearth-Basic	1,362	22,135	23,497	1,635	19,340	20,975
Acid	-----	-----	-----	24	7,254	7,278
Bessemer	38	1,640	1,678	53	1,986	2,039
Electric	233	21,717	21,950	112	23,693	23,805
TOTAL DIRECT STEEL CASTINGS	1,633	45,492	47,125	1,824	52,273	54,097
GRAND TOTAL	764,741	46,110	810,851	1,031,631	56,320	1,087,951



Table 6 AVERAGE MONTHLY PRODUCTION OF

PIG IRON, STEEL INGOTS AND CASTINGS

IN CANADA, 1916 - 1929.

(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1916	87	106	1923	73	74
1917	87	130	1924	49	54
1918	89	140	1925	48	63
1919	68	77	1926	63	64
1920	81	92	1927	59	76
1921	50	56	1928	86	103
1922	32	40	1929	91	115

TABLE 7 PRODUCTION OF PIG IRON BY MONTHS AND BY PROVINCES, AND STEEL  
INGOTS AND CASTINGS BY MONTHS IN CANADA (In 1000's of  
Long Tons) 1929-1930.

MONTH	PIG IRON				STEEL			
	Nova Scotia		Ontario		Total Canada		Total Canada	
	1929	1930	1929	1930	1929	1930	1929	1930
January	21	23	67	64	88	87	116	115
February	41	19	53	52	94	71	117	107
March	32	22	54	53	86	75	137	117
April	24	21	55	51	79	72	122	103
May	24	19	57	62	81	81	126	92
June	25	16	65	50	90	66	120	95
July	23	16	77	49	100	65	130	68
August	31	16	82	41	113	57	120	58
September	31	16	68	32	99	48	99	56
October	24		67		91		116	
November	22		65		87		94	
December	22		61		83		82	
TOTAL	320	168	771	454	1,091	622	1,379	811
MONTHLY AVERAGE	27	19	64	50	91	69	115	90

Table 8. BLAST FURNACES IN CANADA, 1930.

Name of Company	Location	Number of Stacks	Total Daily Capacity (Long Tons)
British Empire Steel Corporation, Ltd.	Sydney, N.S.	4	1,450
Canadian Furnace Co., Ltd.	Port Colborne, Ont.	1	350
The Steel Company of Canada, Ltd.,	Hamilton, Ont.	2	825
Algoma Steel Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,600
TOTAL		11	4,225

Table 9. DESCRIPTION OF FURNACES AT END OF SEPTEMBER 1930

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	4	1,750	41
Banked.....	—	—	—
Blown out.....	7	2,475	59
Total furnaces reporting.....	11	4,225	100

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