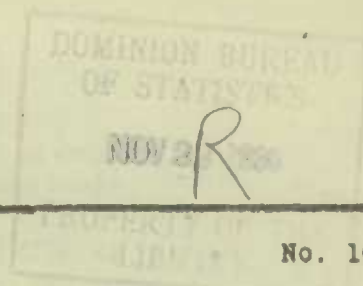


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DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS



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Monthly Report

on

PRODUCTION OF IRON AND STEEL

in Canada

OCTOBER 1930

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PRODUCTION OF IRON AND STEEL IN CANADA
OCTOBER 1930

PIG IRON.— Production of pig iron in Canada during October totalled 40,079 long tons. This was the fifth month in succession in which a new low for the year to date was reported, the tonnage for October being 17 per cent under the total of 48,395 tons for September which in turn was 16 per cent lower than the 57,459 tons for August. The decline from the previous month was mostly in basic iron which dropped to 26,922 tons from 35,044 tons and in the malleable grade which fell off to 2,219 tons from 11,360 tons; foundry iron advanced to 10,938 tons from 1,991 tons.

Blast furnace charges in October included 70,158 long tons of imported iron ore, 23,625 short tons of limestone, and 44,564 short tons of coke. Of the limestone 5,499 tons were mined in Canada and of the coke 41,179 tons, including 18,121 tons from Canadian coal, were carbonized in Canada.

The same 4 furnaces were in blast on October 31 as on September 30 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. These 4 furnaces 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.

For the first ten months of this year, the cumulative production of pig iron amounted to 661,795 long tons as compared with outputs of 921,096 tons and 838,659 tons during the corresponding periods of 1929 and 1928, respectively. This year's total included 459,094 tons of basic iron, 142,470 tons of foundry iron and 60,231 tons of malleable iron.

FERRO-ALLOYS.- Production of ferro-alloys in Canada at 5,174 tons in October was 72 per cent over the 3,012 tons of the previous month. For the year to date the output totalled 59,877 tons as compared with 72,649 tons during the first ten months of last year and 35,541 tons during the corresponding period of 1928.

STEEL INGOTS AND CASTINGS.- Production of steel ingots and castings in Canada during October amounted to 65,431 tons. This output exceeded by 17 per cent the year's low of 55,808 tons in September and marked the first upturn in the seven months since the record for this year was established in March at 117,487 tons. The increase in October over the previous month was in basic open hearth ingots which advanced to 58,454 tons from 51,050 tons and in electric ingots which rose to 4,347 tons from 1,646 tons; steel castings fell off slightly to 2,563 tons from 2,740 tons.

For the first ten months of this year the production of steel ingots and castings totalled 876,282 tons as against 1,203,625 tons and 1,028,697 tons made during the corresponding periods of 1929 and 1928, respectively. This year's output to date included 826,594 tons of ingots and 49,688 tons of castings.

PRICES.- Basic pig iron, following a period of unchanged prices extending back to April of this year, dropped \$2.00 per long ton, f.o.b. plant, in October to \$18.00 the lowest level recorded since 1914. General demand continued to be for small lots to cover immediate needs, while stocks in the hands of melters remained low. No. 1 and No. 2 foundry pig iron in Toronto were unchanged at \$22.60 and \$22.10 per long ton and in Montreal at \$24.00 and \$23.50 per long ton. The Bureau's index number for Iron and Its Products fell from 90.5 to 90.1 due to reductions in the prices of malleable and basic pig iron, mild steel billets and tinplate.

UNITED STATES.- In the United States the rate of pig iron production in October at 69,831 tons a day was 8 per cent lower than in September when the daily average amounted to 75,890 tons. On November 1 pig iron was being made at the rate of 65,965 tons a day. During the month 16 furnaces were blown out and 4 lighted, a net loss of 12.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	OCTOBER 1930			SEPTEMBER 1930		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	25,375	1,547	26,922	34,675	369	35,044
Foundry.....	82	10,856	10,938	-----	1,991	1,991
Malleable.....	-----	2,219	2,219	-----	11,360	11,360
TOTAL.....	25,457	14,622	40,079	34,675	13,720	48,395
Ferro-alloys	-----	5,174	5,174	-----	3,012	3,012

Table 2. CUMULATIVE PRODUCTION FOR THE TEN MONTHS ENDING OCTOBER
(Tons of 2240 lb.)

ITEM	1930			1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	452,979	6,115	459,094	661,740	14,512	676,252
Foundry.....	946	141,524	142,470	6,788	175,560	182,348
Malleable.....	-----	60,231	60,231	758	61,738	62,496
TOTAL.....	453,925	207,870	661,795	669,286	251,810	921,096
Ferro-alloys	-----	59,877	59,877	-----	72,649	72,649

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

			OCTOBER	SEPTEMBER	YEAR TO DATE
Imported Iron ore.....	Long tons		70,158	83,459	1,170,971
Canadian Limestone.....	Short tons		5,499	6,787	97,199
Imported Limestone.....	" "		18,126	20,672	257,656
Coke made in Canada:-					
From Canadian coal.....	" "		18,121	17,527	216,867
From Imported coal.....	" "		23,058	24,543	424,408
Imported coke.....	" "		3,385	9,311	61,031

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	October 1930			September 1930		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	58,405	49	58,454	51,050	-----	51,050
Acid	-----	-----	-----	-----	-----	-----
Electric	4,347	-----	4,347	1,646	-----	1,646
Other	67	-----	67	372	-----	372
TOTAL STEEL INGOTS	62,819	49	62,868	53,068	-----	53,068
STEEL CASTINGS:						
Open Hearth-Basic	163	890	1,053	116	1,303	1,419
Acid	-----	-----	-----	-----	-----	-----
Bessemer	4	168	172	4	126	130
Electric	13	1,325	1,338	40	1,151	1,191
TOTAL DIRECT STEEL CASTINGS	180	2,383	2,563	160	2,580	2,740
GRAND TOTAL	62,999	2,432	65,431	53,228	2,580	55,808

Table 5 CUMULATIVE PRODUCTION for the TEN MONTHS ending OCTOBER

	1930			1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	796,244	667	796,911	1,123,965	4,047	1,128,012
Acid	-----	-----	-----	-----	-----	-----
Electric	22,575	-----	22,575	9,749	-----	9,749
Other	7,108	-----	7,108	6,258	-----	6,258
TOTAL STEEL INGOTS	825,927	667	826,594	1,139,972	4,047	1,144,019
STEEL CASTINGS:						
Open Hearth-Basic	1,525	23,025	24,550	1,819	22,155	23,974
Acid	-----	-----	-----	24	7,254	7,278
Bessemer	42	1,808	1,850	55	2,215	2,270
Electric	246	23,042	23,288	123	25,961	26,084
TOTAL DIRECT STEEL CASTINGS	1,813	47,875	49,688	2,021	57,585	59,606
GRAND TOTAL	827,740	48,542	876,282	1,141,993	61,632	1,203,625

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	15	67	25	91	40	116	65
November	22		65		87		94	
December	22		61		83		82	
TOTAL	320	183	771	479	1,091	662	1,379	676
MONTHLY AVERAGE	27	18	64	48	91	66	115	88

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 OCTOBER 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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