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DEPARTMENT OF TRADE AND COMMERCE

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on

PRODUCTION OF IRON AND STEEL

in Canada

JUNE 1928

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DOMINION BUREAU OF STATISTICS, CANADA
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PRODUCTION OF IRON AND STEEL IN CANADA

JUNE 1928

PIG IRON.— Production of pig iron in Canada during June totalled 97,379 long tons, a gain of 11 per cent over the 87,811 tons made in the previous month and 40 per cent higher than the output of 69,437 tons produced in June of last year. Production of basic iron increased to 69,040 tons from 68,945 tons in May; tonnage of foundry iron advanced to 25,968 tons from 7,667 tons, and the output of malleable iron fell to 2,371 tons from 11,199 tons in the preceding month.

For the first half of 1928 the cumulative production of pig iron was 468,013 long tons as compared with 403,713 tons in the corresponding period of a year ago. This year's output included 355,802 tons of basic iron, 88,076 tons of foundry iron, and 24,135 tons of malleable iron as against 291,222 tons basic, 85,979 tons foundry and 26,512 tons of malleable iron made during the first six months of 1927. The bulk of the basic iron was made for the further use of the producers while most of the foundry and all of the malleable was made for sale.

Furnace charges for the month included 170,329 long tons of imported iron ore, 54,390 short tons of limestone and 105,560 short tons of coke. Of the limestone, 10,355 tons were produced in Canada; and of the coke, 29,631 tons were made in Canada from Canadian coal. For the six months ending June, furnace charges totalled 812,494 long tons of iron ore, 270,670 short tons of limestone and 515,641 short tons of coke.

The number of furnaces in blast on June 30 remained the same as on May 31. The active furnaces had a daily capacity of 3,150 long tons per day or 63 per cent of the total capacity of all blast furnaces in Canada and were located as follows: 2 at Sydney, N.S.; 2 at Hamilton, Ontario; 3 at Sault Ste. Marie, Ontario; and 1 at Port Colborne, Ontario.

FERRO-ALLOYS.- Production of ferro-alloys in Canada during June totalled 4,157 tons or nearly 3 per cent more than the output of 4,049 tons in May. This month's output included ferromanganese and several grades of ferrosilicon.

STEEL INGOTS AND CASTINGS.- Tonnage of steel ingots and castings produced in Canada during June totalled 116,530 long tons, or slightly less than the 117,655 long tons produced in May but 94 per cent greater than the 59,940 tons made in June of 1927. The output of steel ingots was 112,960 tons in June as compared with 113,745 tons in May; production of direct steel castings receded to 3,570 tons from 3,910 tons in the preceding month. Practically all of the steel ingots were intended for the further use of the producers, while the bulk of the castings were made for sale.

For the six months ending June the cumulative production totalled 648,338 tons, an increase of 33 per cent over the 487,310 tons made in the corresponding period of last year. This year's output to date included 625,493 tons of steel ingots and 22,845 tons of direct steel castings.

PRICES.- Pig iron prices were again unchanged in June. No. 1 and No. 2 foundry at Montreal were still quoted at \$25.00 - \$25.50 while at Toronto both grades were again \$23.60 to \$24.10. The Bureau's index for iron and its products (1913 = 100) fell from 141.7 to 140.9 due to slight declines in the prices of steel bars and steel sheets.

UNITED STATES.- According to "Iron Age" the June production of pig iron in the United States showed a decline of about 3 per cent from the figure for May, the average daily output being 102,733 tons in June as against 105,931 in May. There were 6 furnaces blown in and 14 shut down in June leaving 190 in blast on July 1 as against 198 on June 1.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	JUNE 1928			MAY 1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	68,631	409	69,040	67,954	991	68,945
Foundry.....	173	25,795	25,968	151	7,516	7,667
Malleable.....		2,371	2,371		11,199	11,199
TOTAL.....	68,804	28,575	97,379	68,105	19,706	87,811
Ferro-alloys.....		4,157	4,157		4,049	4,049

Table 2. CUMULATIVE PRODUCTION FOR THE SIX MONTHS ENDING JUNE
(Tons of 2240 lb.)

ITEM	1928			1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	349,524	6,278	355,802	282,687	8,535	291,222
Foundry.....	6,923	81,153	88,076	726	85,253	85,979
Malleable.....		24,135	24,135		26,512	26,512
TOTAL.....	356,447	111,566	468,013	283,413	120,300	403,713
Ferro-alloys.....		26,014	26,014		26,958	26,958

Table 3. BLAST FURNACE CHARGES - JUNE, MAY AND YEAR TO DATE

		JUNE 1928	MAY 1928	YEAR TO DATE
Imported Iron ore.....	Long tons	170,329	151,069	812,494
Canadian Limestone.....	Short tons	10,355	10,600	62,819
Imported Limestone.....	" "	44,035	38,517	207,851
Coke made in Canada:-				
From Canadian coal.....	" "	29,631	29,671	179,805
From Imported coal.....	" "	65,875	65,396	325,782
Imported coke.....	" "	10,054		10,054

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	JUNE 1928			MAY 1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	111,324		111,324	112,488		112,488
Acid						
Electric	763	23	786	852	48	900
Other	850		850	357		357
TOTAL STEEL INGOTS	112,937	23	112,960	113,694	48	113,745
STEEL CASTINGS:						
Open Hearth-Basic	208	1,647	1,855	220	1,579	1,799
Acid						
Bessemer	7	150	157	17	121	138
Electric	8	1,550	1,558	12	1,961	1,973
TOTAL DIRECT STEEL CASTINGS	223	3,347	3,570	249	3,661	3,910
GRAND TOTAL	113,160	3,370	116,530	113,946	3,709	117,655

Table 5 CUMULATIVE PRODUCTION for the SIX MONTHS ending JUNE

	1928			1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	616,184		616,184	458,071		458,071
Acid						
Electric	5,155	184	5,339			
Other	3,787	183	3,970	4,322		4,322
TOTAL STEEL INGOTS	625,126	367	625,493	462,393		462,393
STEEL CASTINGS:						
Open Hearth-Basic	1,166	9,342	10,508	1,003	11,497	12,500
Acid						
Bessemer	53	897	950	47	1,117	1,164
Electric	155	11,232	11,387	186	11,067	11,253
TOTAL DIRECT STEEL CASTINGS	1,374	21,471	22,845	1,236	23,681	24,917
GRAND TOTAL	626,500	21,838	648,338	463,629	23,681	487,310

Table 6 AVERAGE MONTHLY PRODUCTION OF

PIG IRON, STEEL INGOTS AND CASTINGS

IN CANADA, 1915 - 1926.

(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1915	68	76	1921	50	56
1916	87	106	1922	32	40
1917	87	130	1923	73	74
1918	89	140	1924	49	54
1919	68	77	1925	48	63
1920	81	92	1926	63	64

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) 1927-1928.

MONTH	PIG IRON				STEEL			
	Nova Scotia		Ontario		Total Canada		Total Canada	
	1927	1928	1927	1928	1927	1928	1927	1928
January	22	22	30	43	52	65	59	84
February	20	24	31	41	51	65	56	99
March	25	26	51	52	76	78	107	118
April	24	25	53	50	77	75	109	113
May	24	24	55	64	79	88	97	118
June	21	24	48	73	69	97	60	117
July	20		31		51		55	
August	16		47		63		77	
September	14		38		52		54	
October	15		23		38		56	
November	21		17		38		81	
December	26		37		63		96	
TOTAL	248	145	461	323	709	468	907	649
MONTHLY AVERAGE	21	24	38	54	59	78	76	108

Table 8. BLAST FURNACES IN CANADA, 1928

Name of Company	Location	Number of Stacks	Total Daily Capacity (Long Tons)
British Empire Steel Corporation, Ltd.	Sydney, N.S.	8	2,475
Canadian Furnace Co., Ltd.	Port Colborne, Ont.	1	325
The Steel Company of Canada, Ltd.,	Hamilton, Ont.	2	725
Algoma Steel Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,500
TOTAL		15	5,025

Table 9. DESCRIPTION OF FURNACES AT END OF JUNE 1928

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	8	3,150	63
Banked.....	-	-	-
Blown out.....	7	1,875	37
Total furnaces reporting.....	15	5,025	100



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