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IRON AND STEEL MILLS

1966

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IRON AND STEEL MILLS
(S.I.C. 2910)

1966

For statistical purposes the industry titled Iron and Steel Mills in the revised Standard Industrial Classification covers four main types of establishments:

(1) Establishments primarily engaged in manufacturing pig iron and ferro-alloys.

(2) Steel plants primarily engaged in manufacturing ingots and stell castings and continuous casting of steel.

(3) Rolling mills primarily engaged in hot and cold rolling of steel into primary shapes.

(4) Coke ovens operate in connection with blast furnaces. In some instances, the blast furnace, steel mill, rolling mill and coke oven or some combination of two or more of them are carried on as one integrated operation and the manufacturing processes may be carried on beyond the rolling mill stage.

Value of shipments and other revenue of the Iron and Steel Mills totalled $1,277.7 millions, an increase of $26.7 millions over 1965. This amount included Coke, Gas and By-products valued at $10.9 millions, Sinter Plant and Blast Furnace products valued at $22.7 millions, Steel Ingots and Steel Castings valued at $106.8 millions, Rolled Steel Products valued at $1,060.9 millions, Ferro-alloy products valued at $25.4 millions, shipments of other products (secondary products) valued at $28.7 millions, and other revenue of $22.3 millions.

This industry's shipments of rolled steel products represented 85 per cent of its manufacturing revenue. Secondary products shipped by this industry in 1966 included carbon and graphite electrodes, lytic anodes, cathode blocks and oil well sucker rods, washers, etc.

The cost of materials and supplies, etc., used in the production of goods of own manufacture increased by $5 millions. Cost of materials and supplies, etc., (inputs) in 1966 represented 48.8 per cent of the value of shipments of own manufacture (outputs), compared to 48.8 per cent in 1965.

NOTE

The detailed "Concepts and Definitions" notes, usually carried each year, have been omitted from this 1966 report for reasons of economy. Reference to these notes may be had by consulting any 1965 report in this series. Failing this, a copy may be obtained free of charge upon application to the Manufacturing and Primary Industries Division of the Bureau.

SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

.. figures not available.
... figures not appropriate or not applicable.
- nil or zero.
-- amount too small to be expressed.
P preliminary figures.
r revised figures.
x confidential to meet secrecy requirements of the Statistics Act.

TABLE 1. PRINCIPAL STATISTICS, 1961-66

Year and province	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000	$'000						$'000		$'000	
1961													
Totals	41	28,408	59,336	152,529	29,670	351,055	774,748	397,331	-	-	34,749	193,712	405,187
1962													
Totals	41	30,101	63,319	165,556	31,639	391,886	860,755	445,501	-	-	36,593	209,171	451,549
1963													
Totals	39	31,112	66,924	180,359	35,082	436,597	963,206	499,303	-	-	38,196	228,217	505,747
1964													
Totals	42	33,911	73,408	200,756	41,442	512,009	1,108,152	561,049	-	-	41,505	253,039	568,680
1965													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	2	x	x	x	x	x	x	x	-	-	x	x	x
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	12	3,223	7,443	18,524	5,678	54,386	98,996	43,415	-	-	4,096	23,452	43,855
Ontario	16	28,155	59,083	173,672	36,843	448,168	1,012,278	550,103	-	-	34,044	217,800	556,032
Manitoba	2	x	x	x	x	x	x	x	-	-	x	x	x
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	3	x	x	x	x	x	x	x	-	-	x	x	x
British Columbia	6	653	1,390	3,824	1,045	12,613	21,625	8,301	-	-	805	4,924	8,253
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	41	36,434	77,202	221,232	47,703	565,741	1,231,765	646,100	-	-	44,274	277,126	653,743
1966													
Newfoundland	1	x	x	x	x	x	x	x	-	-	x	x	x
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	2	x	x	x	x	x	x	x	-	-	x	x	x
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	12	3,410	7,677	19,421	5,899	60,670	111,127	47,551	-	-	4,372	26,116	47,018
Ontario	16	29,302	61,321	187,043	38,702	443,087	1,017,974	543,044	-	-	35,313	235,858	549,350
Manitoba	2	x	x	x	x	x	x	x	-	-	x	x	x
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	4	x	x	x	x	x	x	x	-	-	x	x	x
British Columbia	6	697	1,435	4,235	1,041	14,897	26,461	11,006	-	-	901	5,624	11,018
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	43	37,984	80,205	236,645	49,497	569,019	1,255,192	648,228	-	-	45,999	299,552	654,451

TABLE 2. PRINCIPAL STATISTICS CLASSIFIED BY SIZE GROUP BASED ON VALUE OF SHIPMENTS OF GOODS OF OWN MANUFACTURE, 1965 AND 1966

Size group	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000		$'000					$'000		$'000	
1965													
Under $10,000	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 10,000 to $ 24,999	-	-	-	-	-	-	-	-	-	-	-	-	-
25,000 " 49,999	-	-	-	-	-	-	-	-	-	-	-	-	-
50,000 " 99,999	-	-	-	-	-	-	-	-	-	-	-	-	-
100,000 " 199,999													
200,000 " 499,999	6	299	650	1,530	177	1,315	3,855	2,415	-	-	338	1,792	2,404
500,000 " 999,999													
1,000,000 " 4,999,999	11	1,597	3,474	7,996	1,383	11,952	28,703	15,954	-	-	1,853	9,734	15,965
5,000,000 and over	24	34,538	73,078	211,706	46,143	552,474	1,199,207	627,730	-	-	42,000	265,001	635,398
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	83	599	(24)
Totals	41	36,434	77,202	221,232	47,703	565,741	1,231,765	646,100	-	-	44,274	277,126	653,743
1966													
Under $10,000	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 10,000 to $ 24,999	-	-	-	-	-	-	-	-	-	-	-	-	-
25,000 " 49,999	-	-	-	-	-	-	-	-	-	-	-	-	-
50,000 " 99,999	-	-	-	-	-	-	-	-	-	-	-	-	-
100,000 " 199,999	-	-	-	-	-	-	-	-	-	-	-	-	-
200,000 " 499,999	5	140	351	718	154	880	2,355	1,556	-	-	163	858	1,563
500,000 " 999,999													
1,000,000 " 4,999,999	13	1,893	4,073	9,737	1,306	10,136	33,287	23,180	-	-	2,233	12,015	23,053
5,000,000 and over	25	35,951	75,782	226,190	48,037	558,002	1,219,749	623,492	-	-	43,521	286,040	629,868
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	82	640	(33)
Totals	43	37,984	80,205	236,645	49,497	569,019	1,255,392	648,228	-	-	45,999	299,552	654,451

TABLE 3. PRINCIPAL STATISTICS CLASSIFIED BY SIZE GROUP BASED ON MANUFACTURING VALUE ADDED, 1965 AND 1966

Size group	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000		$'000					$'000		$'000	
1965													
Under $10,000	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 10,000 to $ 24,999													
25,000 " 49,999													
50,000 " 99,999	5	327	714	1,811	406	5,089	6,609	1,125	-	-	379	2,173	1,116
100,000 " 199,999													
200,000 " 499,999													
500,000 " 999,999	3	253	600	1,245	349	9,848	9,871	454	-	-	394	1,638	447
1,000,000 " 4,999,999	19	3,169	7,038	16,448	4,569	53,374	100,065	45,227	-	-	3,883	21,045	45,426
5,000,000 and over	14	32,685	68,850	201,728	42,378	497,431	1,115,220	599,294	-	-	39,535	251,671	606,779
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	83	599	(24)
Totals	41	36,434	77,202	221,232	47,703	565,741	1,231,765	646,100	-	-	44,274	277,126	653,743
1966													
Under $10,000	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 10,000 to $ 24,999	-	-	-	-	-	-	-	-	-	-	-	-	-
25,000 " 49,999	-	-	-	-	-	-	-	-	-	-	-	-	-
50,000 " 99,999	-	-	-	-	-	-	-	-	-	-	-	-	-
100,000 " 199,999													
200,000 " 499,999	4	105	261	500	107	508	1,467	1,033	-	-	126	629	1,043
500,000 " 999,999	6	743	1,680	4,437	1,018	26,321	30,967	4,609	-	-	981	5,891	4,589
1,000,000 " 4,999,999	20	3,467	7,621	19,710	5,405	71,329	127,899	54,692	-	-	4,279	25,493	54,380
5,000,000 and over	13	33,669	70,643	211,999	42,967	470,861	1,095,059	587,894	-	-	40,531	266,898	594,472
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	82	640	(33)
Totals	43	37,984	80,205	236,645	49,497	569,019	1,255,392	648,228	-	-	45,999	299,552	654,451

TABLE 4. PRINCIPAL STATISTICS CLASSIFIED BY SIZE GROUP BASED ON TOTAL VALUE ADDED, 1965 AND 1966

Size group	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Man-hours paid	Manufacturing activity: Production and related workers: Wages	Manufacturing activity: Cost of fuel and electricity	Manufacturing activity: Cost of materials and supplies	Manufacturing activity: Value of shipments of goods of own manufacture	Manufacturing activity: Value added	Total activity: Working owners and partners: Number	Total activity: Working owners and partners: Withdrawals	Total activity: Employees: Number	Total activity: Employees: Salaries and wages	Total activity: Value added
	No.		'000		$'000					$'000		$'000	
1965													
Under $10,000	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 10,000 to $ 24,999													
25,000 " 49,999													
50,000 " 99,999	5	327	714	1,811	406	5,089	6,609	1,125	-	-	379	2,173	1,116
100,000 " 199,999													
200,000 " 499,999													
500,000 " 999,999	3	253	600	1,245	349	9,848	9,871	454	-	-	394	1,738	447
1,000,000 " 4,999,999	19	3,169	7,038	16,448	4,569	53,374	100,065	45,227	-	-	3,883	21,045	45,426
5,000,000 and over	14	32,685	68,850	201,728	42,378	497,431	1,115,221	599,294	-	-	39,535	251,671	606,779
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	83	599	(24)
Totals	41	36,434	77,202	221,232	47,703	565,741	1,231,765	646,100	-	-	44,274	277,126	653,743
1966													
Under $10,000	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 10,000 to $ 24,999	-	-	-	-	-	-	-	-	-	-	-	-	-
25,000 " 49,999	-	-	-	-	-	-	-	-	-	-	-	-	-
50,000 " 99,999	-	-	-	-	-	-	-	-	-	-	-	-	-
100,000 " 199,999	4	105	261	500	107	508	1,467	1,033	-	-	126	629	1,043
200,000 " 499,999													
500,000 " 999,999	6	743	1,680	4,437	1,018	26,321	30,967	4,609	-	-	981	5,891	4,589
1,000,000 " 4,999,999	20	3,467	7,621	19,710	5,405	71,329	127,899	54,692	-	-	4,279	25,493	54,380
5,000,000 and over	13	33,669	70,643	211,999	42,967	470,861	1,095,059	587,894	-	-	40,531	266,898	594,472
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	82	640	(33)
Totals	43	37,984	80,205	236,645	49,497	569,019	1,255,392	648,228	-	-	45,999	299,552	654,451

TABLE 5. PRINCIPAL STATISTICS CLASSIFIED BY SIZE GROUP BASED ON TOTAL EMPLOYED, 1965 AND 1966

Size group	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Man-hours paid	Manufacturing activity: Production and related workers: Wages	Manufacturing activity: Cost of fuel and electricity	Manufacturing activity: Cost of materials and supplies	Manufacturing activity: Value of shipments of goods of own manufacture	Manufacturing activity: Value added	Total activity: Working owners and partners: Number	Total activity: Working owners and partners: Withdrawals	Total activity: Employees: Number	Total activity: Employees: Salaries and wages	Total activity: Value added
	No.		'000		$'000					$'000		$'000	
1965													
Under 5 employed	-	-	-	-	-	-	-	-	-	-	-	-	-
5- 14 "	-	-	-	-	-	-	-	-	-	-	-	-	-
15- 49 "	5	205	448	1,074	142	880	3,084	2,088	-	-	233	1,292	2,081
50- 99 "	14	1,614	3,488	8,813	2,151	40,216	68,259	23,918	-	-	1,951	11,186	23,992
100-199 "	12	2,987	6,910	17,128	5,603	64,995	109,734	45,266	-	-	3,781	21,730	45,460
200-499 "	10	31,628	66,357	194,217	39,806	459,648	1,050,687	574,827	-	-	38,226	242,318	582,235
500 employed and over													
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	83	599	(24)
Totals	41	36,434	77,202	221,232	47,703	565,741	1,231,765	646,100	-	-	44,274	277,126	653,743
1966													
Under 5 employed	-	-	-	-	-	-	-	-	-	-	-	-	-
5- 14 "	-	-	-	-	-	-	-	-	-	-	-	-	-
15- 49 "	6	216	526	1,154	188	1,123	3,535	2,453	-	-	255	1,398	2,455
50- 99 "													
100-199 "	14	1,750	3,810	9,871	1,503	39,994	65,711	25,619	-	-	2,130	12,513	25,651
200-499 "	12	2,942	6,598	16,920	5,623	64,706	111,307	44,171	-	-	3,801	22,641	43,900
500 employed and over	11	33,076	69,272	208,700	42,183	463,195	1,074,838	575,984	-	-	39,731	262,360	582,468
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	82	640	(33)
Totals	43	37,984	80,205	236,645	49,497	569,019	1,255,392	648,228	-	-	45,999	299,552	654,451

TABLE 6. PRINCIPAL STATISTICS CLASSIFIED BY TYPE OF ORGANIZATION, 1965 AND 1966

Type of organization	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000	$'000						$'000		$'000	
1965													
Individual ownerships	-	-	-	-	-	-	-	-	-	-	-	-	-
Partnerships	-	-	-	-	-	-	-	-	-	-	-	-	-
Incorporated companies	41	36,434	77,202	221,232	47,703	565,741	1,231,765	646,100	-	-	44,191	276,527	653,768
Co-operatives	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	83	599	(24)
Totals	41	36,434	77,202	221,232	47,703	565,741	1,231,765	646,100	-	-	44,274	277,126	653,743
1966													
Individual ownerships	-	-	-	-	-	-	-	-	-	-	-	-	-
Partnerships	-	-	-	-	-	-	-	-	-	-	-	-	-
Incorporated companies	43	37,984	80,205	236,645	49,497	569,019	1,255,392	648,228	-	-	45,917	298,912	654,484
Co-operatives	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	82	640	(33)
Totals	43	37,984	80,205	236,645	49,497	569,019	1,255,392	648,228	-	-	45,999	299,552	654,451

TABLE 7. CALCULATION OF OUTPUT, INPUT AND VALUE ADDED, 1965 AND 1966

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1965	1966	1965	1966	1965	1966
	$'000					
Output						
1. Shipments and other revenue	1,231,765	1,255,392	19,119	22,321	1,250,884	1,277,713
Inventories - Goods of own manufacture:						
Add closing - Goods in process	69,354	70,801	...	...	69,354	70,801
Finished goods	52,487	62,585	...	...	52,487	62,585
Deduct opening - Goods in process	50,806	69,537	...	...	50,806	69,537
Finished goods	43,256	52,498	...	...	43,256	52,498
2. Net inventory change	27,779	11,351	...	...	27,779	11,351
3. Gross output (1 + 2)	1,259,544	1,266,743	19,119	22,321	1,278,663	1,289,065
Input						
4. Purchases of goods not of own manufacture	...	...	9,063	11,869	9,063	11,869
Inventories - Goods not of own manufacture:						
Add opening	...	...	375	1,180	375	1,180
Deduct closing	...	...	1,145	895	1,145	895
5. Cost of goods sold (not of own manufacture)	...	...	8,293	12,154	8,293	12,154
6. Materials, supplies, etc.	565,741	569,019	3,182	3,944	568,923	572,963
7. Fuel and electricity	47,703	49,497	...	...	47,703	49,497
8. Gross input (5 + 6 + 7)	613,444	618,516	11,475	16,098	624,919	634,614
Value added (3 - 8)	646,100	648,228	7,643	6,223	653,743	654,451

TABLE 8. EMPLOYMENT AND PAYROLL, 1965 AND 1966

Year and province	Employees										Salaries and wages				
	Production and related workers				Administrative and office		Sales and distribution		Total		Production and related workers		Administrative and office	Sales and distribution	Total
	Manufacturing		Other												
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Manufacturing	Other			
	number										$'000				
1965															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	x	x	x	-	x	x	x	x	x	x	x	x	x	x	x
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	3,215	8	-	-	723	91	49	10	3,987	109	18,524	-	4,540	387	23,452
Ontario	27,956	199	562	9	3,981	887	312	138	32,811	1,233	173,672	3,896	37,109	3,123	217,800
Manitoba	x	x	x	-	x	x	x	x	x	x	x	x	x	x	x
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	x	-	-	-	x	x	x	x	x	x	x	-	x	x	x
British Columbia	653	-	-	-	124	12	14	2	791	14	3,824	-	994	106	4,924
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	36,209	225	582	9	5,583	1,101	401	164	42,775	1,499	221,232	4,006	48,036	3,852	277,126
1966															
Newfoundland	x	-	-	-	x	x	-	-	x	x	x	-	x	-	x
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	x	x	x	-	x	x	x	x	x	x	x	x	x	x	x
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	3,410	-	1	-	770	122	54	15	4,235	137	19,421	2	6,230	462	26,116
Ontario	29,102	200	509	9	4,180	958	255	100	34,046	1,267	187,043	3,979	41,943	2,893	235,858
Manitoba	x	-	-	-	x	x	x	x	x	x	x	-	x	x	x
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	x	-	x	-	x	x	x	x	x	x	x	x	x	x	x
British Columbia	697	-	-	-	148	27	27	2	872	29	4,235	-	1,169	220	5,624
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	37,733	251	543	9	5,764	1,197	368	134	44,408	1,591	236,645	4,168	54,822	3,918	299,552

TABLE 9. EMPLOYEES IN MANUFACTURING OPERATIONS, 1965 AND 1966

Month	1965		1966	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January	34,345	204	36,461	230
February	35,093	204	36,424	241
March	35,328	208	36,905	242
April	35,350	205	37,091	249
May	36,065	212	38,057	252
June	36,316	218	38,794	261
July	37,135	224	39,310	266
August	37,422	226	39,496	267
September	37,472	224	39,389	266
October	37,187	263	38,022	248
November	36,622	255	37,159	242
December	36,130	246	35,651	237
Averages	36,209	225	37,730	250
Establishments reporting annual averages (small establishments only)	-	-	-	-
Average for all establishments	36,209	225	37,730	250

TABLE 10. INVENTORIES, 1966

Province	Manufacturing				Non-manufacturing	Total inventories
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total	Products or materials purchased for resale	
	book value $'000					
Opening						
Newfoundland	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-
Nova Scotia	x	x	x	x	x	x
New Brunswick	-	-	-	-	-	-
Quebec	12,617	11,142	5,266	29,026	519	29,544
Ontario	109,131	55,411	41,634	206,175	446	206,621
Manitoba	x	x	x	x	-	x
Saskatchewan	-	-	-	-	-	-
Alberta	x	x	x	x	x	x
British Columbia	1,812	153	1,643	3,608	49	3,657
Yukon and Northwest Territories	-	-	-	-	-	-
Totals	142,653	69,537	52,498	264,688	1,180	265,867
Closing						
Newfoundland	x	x	x	x	-	x
Prince Edward Island	-	-	-	-	-	-
Nova Scotia	x	x	x	x	x	x
New Brunswick	-	-	-	-	-	-
Quebec	13,166	13,027	6,374	32,567	121	32,688
Ontario	110,491	54,995	48,908	214,394	536	214,930
Manitoba	x	x	x	x	-	x
Saskatchewan	-	-	-	-	-	-
Alberta	x	x	x	x	x	x
British Columbia	2,124	214	2,066	4,403	50	4,453
Yukon and Northwest Territories	-	-	-	-	-	-
Totals	146,131	70,801	62,585	279,517	895	280,411

TABLE 11. [illegible]

Description		1965		1966	
		Quantity	Cost	Quantity	Cost
			$'000		$'000
1. Large establishments reporting commodity detail					
Bituminous coal:					
(a) From Canadian mines	ton	40,724	332	24,824	208
(b) Imported	"	177,303	1,824	196,735	2,096
Sub-bituminous coal (from Alberta mines only)	"	-	-	-	-
Anthracite coal	"	-	-	4,862	66
Lignite coal	"	-	-	-	-
Coke	"	3,785	57	7,164	109
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	1,169,052	327	1,161,164	334
Fuel oil including kerosene or coal oil	"	211,584,007	18,243	199,511,096	17,348
Wood	cord	231	2	166	2
Gas:					
(a) Liquefied petroleum gases	Imp. gal.	497,684	113	771,384	226
(b) Other manufactured gas	M cu. ft.	-	-	-	-
(c) Natural gas	"	13,387,152	6,180	15,328,632	7,006
Other fuel		-	-	...	1
Electricity purchased	kwh.	3,345,187,605	20,624	4,107,231,774	22,102
Steam purchased		-	-	-	-
2. Small establishments not reporting commodity detail					
Estimate for fuel and electricity		-	-	-	-
3. All establishments					
Total fuel and electricity used		...	47,703	...	49,497

TABLE 12. MATERIALS AND SUPPLIES - MANUFACTURING ACTIVITY, 1965 AND 1966

Description		1965		1966	
		Quantity	Cost	Quantity	Cost
			$'000		$'000
1. Materials used:					
Coke, gas and by-products section					
Bituminous coal carbonized in ovens or retorts:					
From Canadian mines	ton	262,921	2,766	150,658	1,683
Imported	"	5,033,297	54,978	5,164,796	59,411
Absorbing and wash oil	Imp. gal.	228,924	60	-	-
Caustic soda	lb.	2,196,681	60	1,874,219	50
Sodium nitrate		-	-	-	-
Sulphur	ton	1	--	-	-
Sulphuric acid, 100%:					
Purchased	"	15,473	280	17,299	301
Own make	"	521	-	-	-
Sinter plant and blast furnace section					
Sinter plant:					
Crude iron ore:					
From Canadian mines	"	547,924	4,927	781,758	6,917
Imported	"	778,489	7,693	436,573	4,795
Pyrite cinder	"	5,215	35	-	-
Mill cinder, scale, flue dust, etc. (not sintered, pelletized, etc.):					
Purchased	"	8,755	93	5,939	75
Own make	"	594,768	-	380,864	-
Scrap iron and steel (own make)		-	-	-	-
Limestone (including fines)	ton	73,857	240	98,736	304
Dolomite (including fines)	"	84,843	247	155,453	325
Coke (including breeze):					
Purchased	"	13,939	119	-	-
Own make	"	62,229	-	28,457	-
Blast furnace:					
Crude iron ore:					
From Canadian mines	"	442,786	4,309	626,012	5,752
Imported	"	1,375,407	15,155	1,070,856	12,687
Iron ore (sintered, pelletized, etc.):					
From Canadian mines	"	3,157,365	41,701	4,245,354	57,867
Imported	"	3,714,208	53,651	2,986,219	43,263
From own processing (does not include mine sinter plant)	"	1,701,493	-	952,353	-
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.):					
Purchased	"	47,766	408	186	2
Own make	"	298,320	-	300,229	-
Scrap iron and steel:					
Purchased	"	91,056	792	130,954	1,338
Own make	"	15,635	-	42,499	-
Limestone:					
From Canadian quarries	"	448,234	1,139	328,504	743
Imported	"	309,536	531	251,308	397
Dolomite	"	544,740	911	536,445	1,031
Coke:					
Purchased	"	403,358	9,454	339,860	7,807
Own make	"	3,544,042	-	3,688,865	-
Firebrick, fireclay and other refractories, n.e.s.		...	791	...	685
Steel ingots and steel castings section					
Pig iron:					
Purchased	ton	25,968	1,227	15,643	855
Own make	"	6,154,753	-	6,273,553	-
Scrap iron and steel:					
Purchased	"	1,963,180	68,906	1,827,041	59,549
Own make	"	2,969,248	-	2,905,171	-
Coke (charged to furnace; not for fuel):					
Purchased	"	1,446	54	1,690	68
Own make	"	1,202	-	840	-
Ferromanganese:					
High carbon (over 3 per cent carbon)	"	61,799	9,941	60,049	9,697
Medium carbon	"	7,091	2,042	6,136	1,740
Low carbon (maximum 0.75 per cent carbon)	"	364	165	593	262
Silico manganese		14,916	2,931	16,201	3,172
Ferrosilicon:					
Low silicon grade (under 45 per cent silicon)	"	205	25	130	13
Medium silicon grade	"	17,774	2,693	17,828	2,677
High silicon grade (over 55 per cent silicon)	"	3,326	896	3,914	1,049
Sil-x	"	94	26	88	26
Ferrochrome (including chrom-X):					
High carbon	"	7,479	2,165	6,413	1,676
Low carbon (maximum 2 per cent carbon)	"	9,911	2,245	10,061	3,499
Ferromolybdenum	"	330	972	286	690
Ferrophosphorus	"	585	74	609	87
Ferroselenium	"	5	39	7	41
Ferrotitanium	"	96	74	100	71
Ferrotungsten	"	99	235	89	315
Ferrovanadium	"	300	1,122	365	1,758
Ferrozirconium	"	72	36	29	11
Calcium silicon	"	742	361	767	385
Calcium manganese silicon	"	247	138	273	157

TABLE 12. MATERIALS AND SUPPLIES - MANUFACTURING ACTIVITY, 1965 AND 1966 - Concluded

Description		1965		1966	
		Quantity	Cost	Quantity	Cost
			$'000		$'000
1. Materials used - Concluded:					
Steel ingots and steel castings section - Concluded					
Other ferro-alloys	ton	1	1,170	...	1,446
Iron ore, crude	"	113,884	1,716	123,181	1,944
Iron ore, calcined, roasted or treated	"	179,952	2,872	167,521	2,664
Chrome ore	"	272	20	314	25
Tungsten ore	"	95	247	173	381
Aluminum ingots, shot, etc.	"	3,862	2,090	3,912	2,127
Copper ingots, cakes, shot, etc.	"	1,130	921	1,112	1,011
Nickel ingots, cathodes, shot, etc.	"	3,646	6,111	3,416	5,722
Other metals		...	376	...	461
Charcoal	ton	115	9	129	25
Bentonite	"	8,801	349	9,355	382
Dolomite:					
Raw, crushed	"	130,505	346	121,663	392
Calcined	"	120,249	3,090	111,022	2,773
Fluorspar	"	37,399	1,373	33,842	1,236
Ganister	"	519	9	2,019	25
Graphite	"	1,584	108	1,005	111
Lime	"	215,901	3,131	223,466	3,326
Limestone	"	323,416	726	300,906	627
Linseed oil	Imp. gal.	8,440	9	13,747	18
Magnesite	ton	12,337	789	8,471	487
Electrodes		...	3,764	...	4,396
Silica sand:					
For moulds	ton	112,200	1,165	108,059	1,123
Other foundry sands		...	277	...	383
Sulphur	ton	263	41	168	27
Firebrick, fireclay and other refractories, n.e.s.		...	18,649	...	18,753
Molybdenum trioxide (molybdic oxide) briquettes	ton	736	2,321	767	2,471
Ingot moulds (including hot tops) and stools		...	13,963	...	14,329
Rolled steel products section					
Steel ingots:					
Purchased	ton	85,646	5,069	139,283	7,648
Own make	"	9,457,010	-	9,407,672	
Steel billets and slabs	"	201,814	18,158	209,621	19,401
Steel bars	"	68,247	10,972	69,690	11,307
Wire rods	"	4,038	623	3,700	581
Rails, old (include reject rails)	"	91,229	4,853	41,932	2,433
Steel sheet and strip	"	102,180	11,717	51,175	8,377
Scrap iron and steel incl. old axles	"	20,810	819	5,573	273
Tin	"	2,634	10,186	2,662	9,698
Zinc spelter	"	31,148	9,047	31,350	9,167
Acids:					
Chromic	lb.	227,500	66	204,610	64
Hydrochloric (muriatic)	"	3,184,268	175	8,229,305	233
Sulphuric, 100%	ton	44,972	951	36,864	830
Cleaners (Pennsalt, etc.)		...	345	...	396
Phenone	lb.	42,620	45	14,600	12
Rolling oils	Imp. gal.	3,669,054	1,581	5,219,432	1,471
Zinc ammonium chloride	ton	234	63	238	65
Firebrick, fireclay and other refractories, n.e.s.		...	1,155	...	1,338
Rolls and dies		...	9,351	...	10,403
Silica sand	ton	7,822	32	7,515	20
Ferro-alloys section					
Coal:					
Anthracite	"	18,808	316	18,800	316
Bituminous	"	48,099	793	56,618	949
Coke:					
Petroleum	"	41,088	685	38,443	639
Other	"	34,048	978	26,930	891
Dolomite	"	5,619	16	5,791	17
Electrodes		...	1,278	...	1,233
Firebrick, fireclay and other refractories, n.e.s.		...	126	...	64
Lime	ton	4,646	66	6,113	93
Limestone	"	3,060	12	2,866	12
Linseed oil	Imp. gal.	14,076	33	14,000	33
Magnesite	ton	141	13	102	7
Millscale	"	8	--	445	8
Pitch	"	10,189	461	10,180	461
Quartzite	"	151,574	938	164,090	983
Silica sand	"	1,742	35	4,421	27
Steel scrap (borings, turnings, etc.)	"	42,199	1,061	40,318	873
Woodchips	"	43,385	339	40,048	322
All other materials and components used		...	17,660	...	23,381
2. Containers and other packaging materials and supplies used		...	6,020	...	6,030
3. Operating, maintenance and repair supplies used (excluding fuel)		...	76,578	...	80,377
4. Amount paid out to others for work done on materials owned by establishments		...	10,774	...	8,686
Totals		...	565,741	...	569,019

TABLE 13. SHIPMENTS OF SELECTED GOODS OF OWN MANUFACTURE - ALL INDUSTRIES, 1965 AND 1966

(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

Product	Total tonnage made	Factory sales	
		Tonnage sold in Canada or for export	Income from tonnage sold
	net tons		$'000
1965			
A. Hot-rolled products			
Semi-finished rolled forms:			
All semi-finished forms intended for further rolling, including blooms, billets, slabs and sheet bars:			
For sale in Canada	..	345,234	32,347
For export	76,026	68,321	4,879
Blooms, billets and axle blanks for forging purposes only, whether for own use or for sale to others including export	291,193	282,648	33,824
Rounds or billets for seamless tubes including export			
Total semi-finished rolled forms	367,219	696,203	71,051
Rails	228,209	220,611	26,458
Wire rods, No. 5 gauge to 47/64 inch in diameter (excluding straight lengths over 5/16 inch in diameter)	433,482	440,178	59,239
Structural steel shapes:			
Heavy, including sheet piling, beams, angles, channels, tees, zees, etc., having one leg or web of 3" and over, and a thickness of 1/8" and over	458,588	443,001	58,144
Light, including light shapes, angles, channels, etc., having a section smaller than that provided under previous item	127,071	122,882	16,643
Total structural steel shapes	585,659	565,883	74,787
Bars:			
Bars, hot-rolled, of all grades and of all sections, including bolt, nut, rivet, spike, chain, horseshoe and other miscellaneous bars, but omitting all bars reported immediately below	791,728	663,357	107,207
Bars for concrete reinforcing, including twisted and other deformed bars	608,093	569,795	68,707
Long angle splice bars, tie plate bars and all other long rail joint bars	32,308	..	..
Total hot-rolled bars	1,432,129	1,233,152r	175,914
Plates (excluding plate for pipes and tubes)	794,639	734,124	98,420
Skelp(1) (hot and cold-rolled plate, sheets, strip and bars for pipes and tubes)	576,187	515,223	61,516
Other hot-rolled sheets and strip including material for further cold reduction and all other hot-rolled forms	3,026,304	832,831	106,069
B. Cold-rolled and coated products(1)			
Bars, cold-rolled and cold-drawn	81,932	80,690	24,018
Cold-rolled strip	72,284	72,347	21,976
Other cold-rolled and coated products, including cold-reduced sheets, black plate for tinning and other black plate, galvanized sheets and strip, tin plate, silicon sheet and strip, but excluding cold-rolled skelp	2,945,939	1,866,996	316,856
C. Other products			
Rail fastenings:			
Rail joints, including splice bars and fish plates	5,590	5,795	902
Tie plates	43,399	43,799	6,272
1966			
A. Hot-rolled products			
Semi-finished rolled forms:			
All semi-finished forms intended for further rolling, including blooms, slabs and sheet bars:			
For sale in Canada	..	352,536	33,112
For export	15,826	15,399	1,041
Blooms, billets and axle blanks for forging purposes only, whether for own use or for sale to others including export	98,804	99,135	13,485
Rounds or billets for seamless tubes including export	167,928	167,096	19,148
Total semi-finished rolled forms	282,558	634,166	66,786
Rails	276,784	274,138	33,436
Wire rods, No. 5 gauge to 47/64 inch in diameter (excluding straight lengths over 5/16 inch in diameter)	438,009	434,019	53,737
Structural steel shapes:			
Heavy, including sheet pilings, beams, angles, channels, tees, zees, etc., having one leg or web of 3" and over, and a thickness of 1/8" and over	447,460	434,099	57,955
Light, including light shapes, angles, channels, etc., having a section smaller than that provided under previous item	122,478	112,928	15,811
Total structural steel shapes	569,938	547,027	73,766
Bars:			
Bars, hot-rolled, of all grades and of all sections, including bolt, nut, rivet, spike, chain, horseshoe and other miscellaneous bars but omitting all bars reported immediately below	706,721	590,083	95,108
Bars for concrete reinforcing, including twisted and other deformed bars	599,308	605,265	71,163
Long angle splice bars, tie plate bars and all other long rail joint bars	62,055	208	30,127
Total hot-rolled bars	1,368,094	1,195,556	196,398
Plates (excluding plate for pipes and tubes)	744,581	734,366	100,614
Skelp(1) (hot and cold-rolled plate, sheets, strip and bars for pipes and tubes)	521,933	481,175	58,615
Other hot-rolled sheets and strip including material for further cold reduction and all other hot-rolled forms	3,216,871	903,385	113,444

(1) Estimates at end of table.

TABLE 13. SHIPMENTS OF SELECTED GOODS OF OWN MANUFACTURE - ALL INDUSTRIES, 1965 AND 1966 - Concluded

Product	Total tonnage made	Factory sales	
		Tonnage sold in Canada or for export	Income from tonnage sold
	net tons		$'000
1966 - Concluded			
B. Cold-rolled and coated products(1)			
Bars, cold-rolled and cold-drawn	84,984	83,237	24,646
Cold-rolled strip	81,208	79,927	23,321
Other cold-rolled and coated products, including cold-reduced sheets, black plate for tinning and other black plata, galvanized sheets and strip, tin plate, silicon sheet and strip, but excluding cold-rolled skelp	2,966,992	1,871,523	321,110
C. Other products			
Rail fastenings:			
Rail joints, including splice bars and fish plates	9,508	9,121	1,445
Tie plates	45,085	43,800	6,153

(1) Note that skelp as listed provides for both hot-rolled and cold-rolled material.

TABLE 14. PRODUCTION(1) OF PIG IRON AND SALES(1) BY PRODUCERS - ALL INDUSTRIES,(2) 1965 AND 1966

Grade	Total tonnage made	Sales	
		Quantity	Income from sales
	net tons		$'000
1965			
Basic	6,315,576	98,817	5,7[illegible]
Foundry(3)	492,610	491,956	22,17[illegible]
Malleable	271,253	318,849	18,0[illegible]
Totals	7,079,439	909,622	45,940
1966			
Basic	6,366,232	59,112	3,435
Foundry(3)	503,019	432,306	21,794
Malleable	347,359	254,617	14,301
Totals	7,216,610	746,035	39,530

(1) Includes the output from smelting of titanium ores.
(2) Includes data from other industries which manufacture, as a secondary activity, the commodities listed here.
(3) Includes silvery pig.

TABLE 15. PRODUCTION(1) OF PIG IRON BY GRADES, 1957-66

Year	Basic	Foundry	Malleable	Total
	net tons			
1957	3,209,411	104,830	404,109	3,718,350
1958	2,665,705	43,755	350,119	3,059,579
1959(2)	3,552,926	228,843	401,006	4,182,775
1960	3,598,595	290,050	410,204	4,298,849
1961	4,203,578	386,644	355,799	4,946,021
1962	4,561,273	254,807	460,673	5,276,753
1963	5,095,081	312,651	525,538	5,933,[illegible]
1964	5,668,176	436,374	446,285	6,550,[illegible]
1965	6,315,576	492,610	271,253	7,079,[illegible]
1966	6,366,232	503,019	347,359	7,216,[illegible]

(1) Includes silvery pig.
(2) Commencing with 1959, includes the output from smelting of titanium ores.

TABLE 16. PRODUCTION(1) OF PIG IRON BY MONTHS, 1965 AND 1966

Month	1965			1966		
	For own use	For sale	Total	For own use	For sale	Total
	net tons					
January	570,243	31,433	601,676	623,944	30,006	653,950
February	479,045	34,574	513,619	556,982	32,253	589,235
March	480,724	62,015	542,739	586,995	59,502	646,497
April	447,782	88,975	536,677	506,411	93,392	599,803
May	535,688	101,461	637,149	573,303	50,373	623,676
June	503,278	89,352	592,630	545,711	50,382	596,093
July	549,090	75,907	624,997	534,406	72,940	607,346
August	574,782	59,823	634,605	496,867	51,402	548,269
September	491,364	94,380	585,744	522,959	83,370	606,329
October	516,621	97,295	613,916	562,972	77,390	640,362
November	497,202	95,332	592,534	509,741	87,793	597,534
December	513,497	74,647	588,594	452,651	50,798	503,449
Totals	6,159,686	905,194	7,064,880	6,472,942	739,601	7,212,543

(1) See footnotes to Table 14.

Note: Above breakdown developed from a special monthly report on primary iron and steel and does not reconcile precisely with total shown on Table 8 or 9 because of the preliminary status of monthly figures.

TABLE 17. SALES(1) OF PIG IRON BY PRODUCERS, 1957-66

Year	Tonnage sold	Income from sales	Year	Tonnage sold	Income from sales
	net tons	$'000		net tons	$'000
1957	734,353	40,953	1962	814,843	42,972
1958	429,708	24,878	1963	758,513	38,311
1959	662,341	36,280	1964	830,743	42,794
1960	676,964	36,160	1965	909,622	45,940
1961	783,188	39,966	1966	746,035	39,530

(1) See footnotes to Table 14.

TABLE 18. STOCKS OF PIG IRON AT YEAR END BY PRODUCERS IN CANADA, 1957-66

Year	Net tons	Year	Net tons
1957	233,569	1962	212,353
1958	239,598	1963	197,630
1959	246,742	1964	184,616
1960	318,063	1965	102,360
1961	369,547	1966	237,358

Note: See also data in Table 14.

TABLE 19. CONSUMPTION OF PIG IRON IN CANADA BY INDUSTRIES AND BY REGIONS, 1965 AND 1966
(AS REPORTED BY CONSUMERS)

	1965	1966
	net tons	
By industries		
Agricultural implements	7,444	12,006
Boiler and plate works	493	62
Electrical products	9,403	5,977
Fabricated structural metal	536	660
Hardware, tool and cutlery	136	393
Heating equipment	4,689	-
Iron and steel mills	6,180,721	6,289,196
Iron foundries	221,711	192,970
Miscellaneous machinery	22,407	40,972
Miscellaneous metal fabricating	18,020	13,267
Motor vehicle parts and accessories	20,686	17,046
Railroad rolling stock	12,480	10,090
Shipbuilding and repair	369	346
Miscellaneous	93,886	58,037
Totals	6,592,981	6,641,022
By regions		
Atlantic	525,152	570,520
Quebec	56,455	43,300
Ontario	5,984,374	5,983,154
Prairies	23,602	18,410
British Columbia	3,398	25,838
Canada	6,592,981	6,641,022

Note: Data in Table 19 by industry reflect classification in accordance with revised Standard Industrial Classification adopted in 1960 and the New Establishment Concept adopted in 1961.

TABLE 20. BLAST FURNACES IN CANADA, 1964-66

Name of company	Location of plant	Number of stacks	Total annual capacity	Number of days in blast		
				1964	1965	1966
			net tons			
Dominion Foundries & Steel Ltd.	Hamilton, Ont.	1	500,000	361	365	330
		1	500,000	365	365	365
		1	550,000	335	365	365
	Totals	3	1,550,000	-	-	-
Dominion Steel & Coal Corporation, Limited	Sydney, Nova Scotia	1	299,000	366	322	341
		1	365,000	365	303	362
	Totals	2	664,000	-	-	-
Canadian Furnace Company, Limited	Port Colborne, Ont.	1	240,000	365	365	365
	Totals	1	240,000	-	-	-
The Steel Company of Canada, Limited	Hamilton	1	2,350,000	365	364	358
		1		365	331	354
		1		361	364	354
		1		322	363	355
	Totals	4	2,350,000	-	-	-
Algoma Steel Corporation, Limited	Sault Ste. Marie, Ont.	1	350,000	314	363	348
		1	325,000	363	362	293
		1	750,000	366	362	350
		1	800,000	359	322	351
	Totals	4	2,225,000	-	-	-
Totals for Canada		14	7,029,000	-	-	-

Note: Data in above table do not include details on other producers of pig iron in Canada as follows:
1. Electric furnace operations used in smelting titanium ores rated at approximately 403,200 tons pig iron per annum operated by Quebec Iron and Titanium Corporation at Sorel, Quebec.
2. Two electric furnaces used in direct reduction of iron ore rated at 110,000 tons pig iron annum operated by the Consolidated Mining and Smelting Co. of Canada Ltd., Kimberley, British Columbia.

TABLE 21. PRODUCTION OF STEEL INGOTS AND STEEL CASTINGS, AND SALES BY THE PRODUCERS - ALL INDUSTRIES,(1) 1965 AND 1966

	1965			1966		
	Total tonnage of steel made (all kinds), including alloys	Sales		Total tonnage of steel made (all kinds), including alloys	Sales	
		Quantity	Income from sales		Quantity	Income from sales
	net tons		$'000	net tons		$'000
Steel ingots						
Basic open-hearth(2)	8,785,476	140,894	9,126	8,662,078	141,027	9,123
Electric	1,117,883	118,762	20,126	1,158,927	163,793	30,893
Totals, steel ingots	9,903,359	259,656	29,252	9,821,005	304,820	40,016
Steel castings						
Basic open-hearth	251	-	-	2,541	-	-
Electric	164,732	155,232	77,223	196,585	173,050	90,247
Totals, steel castings	164,983	155,232	77,223	199,126	173,050	90,247
Totals, steel ingots and castings	10,068,342	414,888	106,475	10,020,131	477,870	130,263
Alloy steel included in above						
Ingots	714,464	18,071	13,183	783,661	12,675	11,700
Castings	46,896	45,242	39,478	50,752	49,380	44,826
Totals	761,360	63,313	52,661	834,413	62,055	56,526

(1) Includes details from other industries which manufacture, as a secondary activity, the commodities listed here.
(2) Includes production from oxygen vessels.

TABLE 22. PRODUCTION OF STEEL INGOTS AND STEEL CASTINGS BY GRADES - ALL INDUSTRIES,(1) 1957-66

Year	Steel ingots		Steel castings			Total steel ingots and castings
	Open-hearth(2)	Electric	Open-hearth	Converter	Electric	
	net tons					
1957	4,500,737	430,673	27,076	20	109,643	5,068,149
1958	3,875,470	386,652	15,880	20	81,444	4,359,466
1959	5,267,282	532,074	14,834	7	87,290	5,901,487
1960	5,089,660	618,943	2,611	-	97,894	5,809,108
1961	5,712,846	663,261	2,830	-	109,370	6,488,307
1962	6,394,451	653,851	3,125	-	122,107	7,173,534
1963	7,321,572	749,390	2,643	-	123,465	8,197,070
1964	8,119,811	847,707	1,351	-	159,590	9,128,459
1965	8,785,476	1,117,883	251	-	164,732	10,068,342
1966	8,662,078	1,158,927	2,541	-	196,585	10,020,131

(1) Includes details from other industries which manufacture, as a secondary activity, the commodities listed here.
(2) Includes production from oxygen vessels.

TABLE 23. PRODUCTION OF STEEL INGOTS AND STEEL CASTINGS, BY MONTHS - ALL INDUSTRIES,(1) 1962-66

Month	1962	1963	1964	1965	1966
	net tons				
January	576,052	660,215	719,039	831,170	872,785
February	533,788	590,780	714,465	742,137	810,350
March	602,810	678,248	784,732	837,221	895,996
April	597,659	702,045	765,993	799,647	860,918
May	603,154	753,625	799,077	894,343	912,478
June	598,708	681,288	755,232	844,360	868,625
July	611,085	657,443	737,995	845,269	847,100
August	651,274	700,273	772,432	875,118	771,814
September	618,726	670,246	748,344	823,749	838,387
October	598,331	698,621	792,461	876,472	858,571
November	607,903	713,685	770,056	840,098	801,760
December	573,985	683,810	770,937	819,315	664,084
Totals	7,173,475	8,190,279	9,130,763	10,028,899	10,002,868

(1) Includes details from other industries which manufacture these commodities, as a secondary activity.
Note: Above breakdown developed from a special monthly report on primary iron and steel and does not reconcile precisely with total shown in Table 21, 22 or 24 because of the preliminary status of monthly figures.

TABLE 24. ANNUAL PRODUCTION OF STEEL INGOTS AND STEEL CASTINGS, BY PROVINCES - ALL INDUSTRIES,(1) 1957-66

Year	Newfoundland and Nova Scotia	Quebec	Ontario	Manitoba and Saskatchewan	Alberta	British Columbia	Canada
	net tons						
1957	740,364	157,251	4,004,620	76,243	43,827	45,844	5,068,149
1958	597,752	117,907	3,504,215	68,921	36,046	34,625	4,359,466
1959	674,226	120,274	4,905,424	98,954	56,235	46,374	5,901,487
1960	796,878	169,672	4,609,221	93,921	68,378	71,038	5,809,108
1961	523,627	179,534	5,431,212	197,100	69,029	87,805	6,488,307
1962	661,883	212,825	5,965,215	176,628	70,218	86,765	7,173,534
1963	795,484	234,118	6,752,541	250,387	73,157	91,383	8,197,070
1964	841,982	292,180	7,581,251	243,581	77,167	92,298	9,128,459
1965	779,441	300,492	8,485,219	284,682	131,279	87,229	10,068,342
1966	759,492	282,264	8,453,480	278,928	123,403	122,564	10,020,131

(1) Includes details from other industries which manufacture these commodities, as a secondary activity.

TABLE 25. SALES OF STEEL INGOTS AND STEEL CASTINGS BY PRODUCERS - ALL INDUSTRIES,(1) 1957-66

Year	Tonnage sold	Income from sales	Year	Tonnage sold	Income from sales
	net tons	$'000		net tons	$'000
1957	187,806	65,553	1962	376,548	75,096
1958	105,251	42,581	1963	392,645	77,369
1959	298,249	59,005	1964	361,666	93,464
1960	312,989	59,192	1965	414,888	106,475
1961	370,060	61,587	1966	477,870	130,263

(1) Includes details from other industries which manufacture these commodities, as a secondary activity.

TABLE 26. PRODUCTION OF ALLOY STEEL INGOTS AND CASTINGS - ALL INDUSTRIES,(1) 1957-66

Year	Ingots	Castings	Total
	net tons		
1957	213,101	29,110	242,211
1958	182,902	19,470	202,372
1959	270,991	22,936	293,927
1960	237,393	24,241	261,634
1961	252,867	26,268	279,135
1962	321,708	32,439	354,147
1963	384,957	34,534	419,491
1964	503,901	42,489	546,390
1965	714,464	46,896	761,360
1966	783,661	50,752	834,413

(1) Includes details from other industries which manufacture these commodities, as a secondary activity.

TABLE 27. METAL, ORE AND FLUX CHARGED TO STEEL FURNACES, 1957-66

Year	Pig iron	Ferro-manganese alloys(1)	Other ferro-alloys	Scrap iron and steel(2)	Iron ore including sinter	Lime-stone	Dolomite	Fluorspar
	net tons							
1957	2,875,324	46,220	21,787	2,625,963	421,755	199,681	190,039	16,935
1958	2,610,517	37,699	15,539	2,112,355	373,143	124,189	152,290	14,539
1959	3,511,207	48,230	22,809	2,951,186	419,945	140,736	188,041	20,063
1960(3)	3,510,892	46,584	23,083	2,887,566	393,036	163,362	164,074	21,029
1961(3)	4,056,763	52,116	20,788	3,183,533	405,893	137,424	194,054	24,310
1962(3)	4,561,952	58,041	24,631	3,520,481	377,431	182,058	203,862	33,824
1963	5,182,670	68,285	26,579	4,065,168	413,758	200,280	236,154	41,822
1964	5,678,060	76,847	32,858	4,629,216	349,008	255,570	255,377	41,533
1965	6,180,721	84,170	38,266	5,236,580	293,836	323,416	250,754	37,399
1966	6,289,196	82,979	39,919	5,013,356	290,702	300,906	232,685	33,842

(1) Including spiegeleisen, sillospiegeleisen, ferromanganese (all grades) and silicomanganese.
(2) Developed from data reported monthly on Primary Iron and Steel.
(3) (a) 1960 does not include materials charged to furnaces by firms reclassified under the new Standard Industrial Classification.
(b) In addition to changes effected in 1960, (see 3 (a) above), totals (except for scrap iron and steel) for 1961 and subsequent years exclude materials charged to furnaces by firms reclassified in accordance with the New Establishment Concept.

TABLE 28. STEEL FURNACES IN CANADA, DECEMBER 31, 1966

	Type	Number of units	Size	Total annual capacity
				tons
Newfoundland				
Newfoundland Steel Co. Ltd., St.John's	Elec.	1	25	60,000
Nova Scotia				
Dosco Steel Ltd., Sydney	O.H.	4	195	1,070,000
	O.H.	2	225	
	Elec.	1	12	30,000
Totals		7	-	1,100,000
Enamel and Heating Products Ltd., Amherst	Elec.	1	8	20,000
Maritime Steel Foundries Ltd., New Glasgow	Elec.	1	4	3,000
Quebec				
Atlas Steels Company, Div. of Rio Algom Mines Ltd., Tracy	Elec.	1	60	70,000
Canadian Unitcast Steel Ltd., Sherbrooke	Elec.	1	4	3,600
Canadian Steel Foundries, Div. of Hawker-Siddeley Canada Ltd., Montreal	Elec.	1	30	82,000
	Elec.	1	4	
	Elec.	1	2 1/2	
Totals		3	-	82,000
Canadian Steel Wheel Ltd., Montreal	Elec.	2	60	145,800
Abex Industries of Canada Ltd., Amsco Joliette Div., Joliette	Elec.	1	3	32,700
	Elec.	1	7	
Totals		2	-	32,700
Dominion Engineering Works Ltd., Lachine	Elec.	1	5	15,000
	Elec.	1	15	
Totals		2	-	15,000
Dosco Steel Ltd., Montreal	Elec.	1	38	156,160
Griffin Steel Foundries Ltd., St.Hyacinthe	Elec.	2	6	52,500
Lynn MacLeod Metallurgy Limited, Thetford Mines	Elec.	2	1 1/2, 3	6,000
Manganese Steel Castings Ltd., Sherbrooke	Elec.	1	3	1,800
Crucible Steel of Canada Ltd., Sorel	Elec.	1	35	48,000
	Elec.	1	15	
	Elec.	1	5	
Totals		3	-	48,000
Sorel Steel Foundries Limited, Sorel	Elec.	2	4, 8	24,000

TABLE 28. STEEL FURNACES IN CANADA, DECEMBER 31, 1966 - Concluded

	Type	Number of units	Size	Total annual capacity
				tons
Ontario				
Algoma Steel Corporation Limited, Sault Ste.Marie	O.H.	4	180	575,000
	O.H.	2	320	575,000
	Oxygen vessels	3	110	1,450,000
Totals		9	-	2,600,000
Atlas Steels Company, Div. of Rio Algom Mines Ltd., Welland	Elec.	1	6	5,400
	Elec.	1	10	9,000
	Elec.	2	30	69,600
	Elec.	2	50	115,200
	Elec. (Induction)	1	2	800
Totals		7	-	200,000
Burlington Steel Co. Ltd., Hamilton	Elec.	2	20	138,000
Canada Electric Castings Ltd., Guelph	Elec.	2	2	5,000
Dominion Foundries and Steel Ltd., Hamilton	Elec.	2	10	5D,850
	Elec.	1	50	
	Elec.	1	2 1/2	
	Oxygen vessels	3	150	2,100,000
Totals		7	-	2,150,850
Fahralloy Canada Limited, Orillia	Elec.	7	1/4 - 2	16,000
Fahralloy - Wisconsin Ltd., Orillia	Elec.	2	1/8, 1/2	4,500
The Indiana Steel Products Co. of Canada Ltd., Kitchener	Elec.	3	1/2, 1, 1 1/2	6,000
Black - Clawson - Kennedy Ltd., Owen Sound	Elec.	3	1 1/2, 1 3/4, 4	14,000
Lake Ontario Steel Co. Ltd., Whitby	Elec.	2	50	200,000
Neelon Steel Limited, Lebel	Elec.	1	6	18,000
Steel Co. of Canada Ltd., Hamilton	O.H.	4	115	4,250,000
	O.H.	5	190	
	O.H.	4	315	
	O.H.	1	500	
Totals		14	-	4,250,000
Welmet Industries Limited, Welland	Elec.	4	3/4, 2, 3 1/2, 6	10,500
	Elec. (Induction)	1		
	Elec. (Induction)	1		
Totals		6	-	10,500
Manitoba				
Dominion Bridge Co. Ltd., (Dominion Rolling Mills Division), Selkirk	Elec.	1	4 1/2	160,000
	Elec.	2	40	
Totals		3	-	160,000
Abex Industries of Canada Ltd., Amsco Joliette Div., Selkirk	Elec.	1	5	4,000
	Elec.	1	3	3,000
Totals		2	-	7,000
Griffin Steel Foundries Limited, Transcona	Elec.	2	8	70,000
Saskatchewan				
Interprovincial Steel and Pipe Corp. Ltd., Regina	Elec.	2	32	150,000
Alberta				
Irving Industries (Foothills Steel Foundry Div.) Ltd., Calgary	Elec.	1	2	2,000
	Elec.	1	2	2,000
Totals		2	-	4,000
Steel Company of Canada Ltd., Edmonton	Elec.	3	25	128,000
Quality Steel Foundries Ltd., Edmonton	Elec.	2	1 1/2	3,600
Western Canada Steel Limited, Calgary	Elec.	1	20	30,000
British Columbia				
A - 1 Steel and Iron Foundry Ltd., Vancouver	Elec.	1	2	5,200
	Elec.	1	1	2,600
Totals		2	-	7,800
Cominco Ltd., Trail	Elec.	1	1/2	3,600
	Elec.	1	3	
Totals		2	-	3,600
Cominco Ltd., Kimberly	Oxy.	1	18	8D,000
Reliance Foundry Co. Ltd., Vancouver	Elec.	1	3	4,400
Esco Ltd., Port Coquitlam	Elec.	1	3	5,400
Victoria Machinery Depot Co. Ltd., Vancouver	Elec.	2	1 1/2, 2	3,000
CAE Summer Ltd., Vancouver	Elec.	2	1, 1	2,000
Hudson Steel Limited, Penticton	Elec.	1	1/4	2,200
Western Canada Steel Limited (Vancouver Steel Div.), Vancouver	Elec.	1	30	90,000

TABLE 29. SUMMARY OF STEEL FURNACE CAPACITY, DECEMBER 31, 1966

	Number of furnaces	Total annual capacity
		net tons
Basic open-hearth	26	6,470,000
Basic oxygen furnace	7	3,630,000
Electric	94	2,084,410
Totals	127	12,184,410
Steel ingots:		
Basic open-hearth	26	6,470,000
Basic oxygen furnace	7	3,630,000
Electric	36	1,680,410
Totals	69	11,780,410
Steel castings	58	404,000
Totals ingots and castings	127	12,184,410

TABLE 30. SUMMARY OF STEEL FURNACE CAPACITY, BY PROVINCES, DECEMBER 31, 1962-66

	Total annual capacity				
	1962	1963	1964	1965	1966
	net tons				
Newfoundland	-	-	-	-	60,000
Nova Scotia	1,003,000	1,003,000	1,023,000	1,115,000	1,123,000
Quebec	508,700	584,350	636,950	654,900	637,560
Ontario	6,546,350	7,361,990	8,634,790	9,409,350	9,612,850
Manitoba	185,000	185,000	185,000	185,000	237,000
Saskatchewan	128,000	121,600	128,000	150,000	150,000
Alberta	110,000	112,600	169,800	165,300	165,600
British Columbia	123,700	110,700	131,296	118,220	198,400
Canada	8,604,750	9,479,240	10,908,836	11,797,770	12,184,410

TABLE 31. NET PRODUCTION(1) IN CANADA OF HOT-ROLLED STEEL PRODUCTS, 1962-66

Item	1962	1963	1964	1965	1966
	net tons				
Blooms, billets and slabs	309,723	314,412	312,806	367,219	282,558
Rails	233,067	342,299	253,674	228,209	276,784
Bars for rail fastenings	65,603	66,006	78,546	32,308	62,055
Wire rods	356,262	389,745	442,023	433,482	438,009
Structural shapes	462,442	509,646	560,606	585,659	569,938
Bars	941,421	1,023,991	1,202,003	1,399,821	1,306,031
Plates(excluding plates for pipes and tubes)	489,968	560,148	622,419	794,639	744,581
Sheets, hoops, bands and strips(excluding skelp)	2,212,511	2,533,194	2,739,084	3,026,304	3,216,871
Other hot-rolled forms(including hot-rolled skelp)	367,106	448,226	546,998	613,448	547,788
Totals	5,438,103	6,187,667	6,758,159	7,480,089	7,444,615

(1) Inter-mill shipments have been excluded.

TABLE 32. ALLOY STEEL PRODUCTS MADE AND SOLD BY ROLLING MILLS, 1965 AND 1966

	1965		1966	
	Tonnage made	Tonnage sold	Tonnage made	Tonnage sold
	net tons			
Bars	215,059	205,613	201,899	188,882
Other products, including plates, billets, forgings, sheet piling and wire rods, etc.	121,899	107,103	137,826	121,817
Total alloy steel	336,958	312,716	339,725	310,699

TABLE 33. PRODUCTS ROLLED FROM AXLES, ETC., 1965 AND 1966

	1965		1966	
	Tonnage made	Tonnage sold	Tonnage made	Tonnage sold
	net tons			
Bars	64,314	62,649	7,487	3,511
Other products	31,473	28,193	44,167	46,803
Totals	95,787	90,842	51,654	50,314

TABLE 34. PRODUCTION AND FACTORY SALES OF STEEL RAILS, 1957-66

Year	Tonnage made	Factory sales	
		Tonnage sold	Income from sales
	net tons		$'000
1957	393,926	383,174	39,979
1958	365,429	377,604	41,587
1959	286,989	286,419	31,637
1960	224,306	223,033	25,385
1961	197,416	190,760	21,556
1962	233,067	225,683	25,404
1963	342,299	334,422	35,707
1964	253,674	270,807	30,856
1965	228,209	220,611	26,458
1966	276,784	274,138	33,436

TABLE 35. PRODUCTION AND FACTORY SALES OF FINISHED RAIL FASTENINGS, 1957-66

Year	Tie plates			Fish plates and splice bars		
	Quantity made	Factory sales		Quantity made	Factory sales	
		Quantity	Income from sales		Quantity	Income from sales
	net tons		$'000	net tons		$'000
1957	78,555	80,575	10,148	17,022	16,793	2,502
1958	56,118	56,189	7,338	14,078	14,088	2,066
1959	70,376	70,351	8,970	14,853	14,818	2,212
1960	36,028	36,108	4,787	11,256	11,133	1,684
1961	44,401	43,022	5,683	7,493	7,736	1,150
1962	53,765	54,554	7,238	10,613	10,624	1,586
1963	50,050	51,781	6,883	13,553	13,476	2,009
1964	59,035	58,539	8,034	13,937	13,310	2,006
1965	43,399	43,799	6,272	5,590	5,795	902
1966	45,085	43,800	6,153	9,508	9,121	1,445

TABLE 36. PRODUCTION AND FACTORY SALES(1) OF WIRE RODS OF IRON OR STEEL, 1957-66

Year	Total tonnage made	Factory sales	
		Tonnage sold	Income from sales
	net tons		$'000
1957	291,300	292,563	34,408
1958	268,848	270,210	30,592
1959	382,106	380,132	46,182
1960	343,052	347,629	42,949
1961	356,574	354,119	46,362
1962	356,262	354,412	46,010
1963	389,745	392,533	52,421
1964	442,023	446,509	58,888
1965	433,482	440,178	59,239
1966	438,009	434,019	59,737

(1) Includes shipments transferred to own mills of producing firms.

TABLE 37. PRODUCTION AND FACTORY SALES OF BLOOMS, BILLETS AND SLABS, 1957-66

Year	Except for forging(1)			For forging(2)		
	Total tonnage made	Factory sales		Total tonnage made	Factory sales	
		Tonnage sold	Income from sales		Tonnage sold	Income from sales
	net tons		$'000	net tons		$'000
1957	(3)	141,062	11,153	156,065	146,407	17,108
1958		101,343	8,245	171,217	166,079	20,274
1959		131,574	11,303	197,415	194,419	21,518
1960		479,229	39,445	149,353	140,885	16,837
1961		326,895	25,690	180,709	156,637	18,461
1962		332,363	26,197	192,706	181,545	21,832
1963		311,849	26,599	203,048	185,899	22,231
1964		344,162	27,574	255,536	249,002	28,518
1965		413,555	37,226	291,193	282,648	33,825
1966		367,935	34,153	266,732	266,231	32,632

(1) Shipment to other Canadian Rolling mills are included.
(2) Includes blanks or pierced billets for seamless tubes.
(3) Not collected since 1957.

TABLE 38. PRODUCTION AND FACTORY SALES OF HOT-ROLLED BARS OF ALL KINDS, 1957-66

Year	Total tonnage made	Factory sales	
		Tonnage sold	Income from sales
	net tons		$'000
1957	865,533	718,864	107,391
1958	705,073	585,016	86,215
1959	949,865	795,274	116,993
1960	807,775	723,753	105,903
1961	899,795	783,314	107,439
1962	1,007,024	838,140	115,815
1963	1,089,997	936,734	132,304
1964	1,280,549	1,146,878	160,869
1965	1,399,821	1,233,152	175,914
1966	1,306,031	1,195,348	167,271

TABLE 39. PRODUCTION AND FACTORY SALES OF STRUCTURAL STEEL SHAPES,(1) OF ALL KINDS, 1957-66

Year	Total tonnage made	Factory sales	
		Tonnage sold	Income from sales
	net tons		$'000
1957	347,693	341,975	42,823
1958	217,137	225,295	29,140
1959	268,573	265,194	34,528
1960	241,392	234,530	30,075
1961	329,572	318,664	40,412
1962	462,442	450,309	56,659
1963	509,646	496,334	62,370
1964	560,606	577,608	72,927
1965	585,659	565,883	74,809
1966	569,938	547,027	73,766

(1) In 1956 this category was revised to include sheet piling. Data in above table for previous years have been revised to accommodate this change in classification.

TABLE 40. PRODUCTION AND FACTORY SALES OF STEEL PLATE,(1) 1957-66

Year	Total tonnage made	Factory sales	
		Tonnage sold	Income from sales
	net tons		$'000
1957	349,626	344,616	45,017
1958	230,309	226,750	30,618
1959	416,099	408,835	53,394
1960	387,947	387,993	52,275
1961	410,267	403,080	57,543
1962	489,968	491,533	61,815
1963	560,148	545,370	68,363
1964	622,419	621,124	79,352
1965	794,639	734,124	98,429
1966	744,581	734,366	100,614

(1) Excludes plate for pipes and tubes.

TABLE 41. FACTORY SHIPMENTS OF FERRO-ALLOYS - ALL INDUSTRIES,(1) 1957-66

Year	Net tons	Year	Net tons
1957	204,000	1962	142,000
1958	113,000	1963	151,000
1959	136,000	1964	162,000
1960	138,000	1965	175,000
1961	118,000	1966	162,000

(1) Includes shipments from other industries which manufacture these commodities, as a secondary activity.

TABLE 42. PRODUCTION AND FACTORY SHIPMENTS OF COKE OVEN PRODUCTS: IRON AND STEEL MILLS, 1966

Product		Quantity made (including amounts for own use)	Factory shipments	
			Quantity shipped	Value
				$'000
Coke (including breeze)	ton	3,927,570	265,252	2,761
Coke oven gas	M cu. ft.	56,453,172	2,964,383	1,112
Tar	Imp. gal.	x	28,890,059	3,130
Xylol	"	x	630,567	219
All other products				3,636
Total				10,858

Note: Comprehensive details on operations of coke plants, regardless of industrial classification, are published in a monthly report "Coal and Coke Statistics", Catalogue No. 45-002, and in an annual report "The Coal Mining Industry", Catalogue No. 26-206.

TABLE 43. COKE OVENS: IRON AND STEEL MILLS, DECEMBER 31, 1966

Name of company and location of plant	Coke-making equipment, including reserve equipment (Rated annual capacity, in tons of coal carbonized, given in brackets)
The Algoma Steel Corporation Limited, Sault Ste.Marie, Ontario	In use - 87 Wilputte ovens (703,188 tons), and 143 Koppers ovens (1,288,327 tons)
Dominion Foundries and Steel Limited, Hamilton, Ontario	In use - 158 Koppers ovens (1,275,000 tons)
Dominion Steel and Coal Corporation Limited, Sydney, Nova Scotia	In use - 114 Koppers - Becker Underjet (887,214 tons)
The Steel Company of Canada Limited, Hamilton, Ontario	In use - 191 Wilputte ovens (1,770,000 tons)

TABLE 44. PRODUCERS OF FERRO-ALLOYS, 1966

Name of company	Plant location	Kind of ferro-alloy made
Canadian Carborundum Company, Limited	Niagara Falls, Ontario	Ferrosilicon (by-product)
Chromium Mining & Smelting Corp., Limited	Melocheville, Quebec	Ferrosilicon, silico manganese, ferromanganese, chrom-x, chrome sil-x, ferrochrome
Electric Reduction Company of Canada, Limited	(a) Buckingham, Quebec, (b) Varennes, Que.	Ferrophosphorus
Exolon Company, The	Thorold, Ontario	Ferrosilicon (by-product)
Lionite Abrasives Limited	Niagara Falls, Ontario	Ferrosilicon (by-product)
Masterloy Products Ltd.	Gloucester, Ontario	Ferrocolumbium, ferromolybdenum, ferrotungsten, ferrovanadium
Norton Company	Chippawa, Ontario	Ferrosilicon (by-product)
Simonds Canada Abrasive Co., Limited	Arvida, Quebec	Ferrosilicon (by-product)
Union Carbide Canada Ltd, (Metal & Carbon Div.)	(a) Beauharnois, Quebec	Ferrosilicon
	(b) Welland, Ontario	Ferrochrome, ferromanganese, silico manganese, ferrochrome-silicon

LIST OF ESTABLISHMENTS CLASSIFIED TO THIS INDUSTRY, 1966

(Does not include establishments classified to other industries, which as a secondary activity, manufacture products typical of this industry)

Name	Location
Newfoundland	
Newfoundland Steel Co. Ltd.	St. Johns
Nova Scotia	
Dosco Steel Ltd.	Sydney
Enamel and Heating Products Ltd.	Amherst
Quebec	
Abex Industries of Canada Ltd. (Amsco Joliette Div.)	Joliette
Atlas Steels Company, Div. of Rio Algom Mines Ltd.	Tracy
Canadian Steel Foundries Ltd.	Montreal
Canadian Unitcast Steel Ltd.	Sherbrooke
Chromium Mining and Smelting Corpn. Ltd.	Melocheville
Crucible Steel of Canada Ltd.	Sorel
Dosco Steel Ltd.	Contrecoeur
Dosco Steel Ltd.	Montreal
Lynn MacLeod Metallurgy Ltd.	Thetford Mines
Manganese Steel Castings Ltd.	Sherbrooke
Sorel Steel Foundries Ltd.	Sorel
Union Carbide Canada Ltd.	Beauharnois
Ontario	
Atlas Steels Company, Div. of Rio Algom Mines Limited	Welland
Algoma Steel Corpn. Ltd., The, Steel Works Division	Sault Ste. Marie
Algoma Steel Corpn. Ltd., The, Canadian Furnace Division	Port Colborne
Canada Electric Castings Ltd.	Guelph
Canadian Drawn Steel Co., Ltd.	Hamilton
Dominion Foundries and Steel Ltd.	Hamilton
Fahralloy Canada Ltd.	Orillia
Indiana Steel Products Co. of Canada Ltd.	Kitchener
Lake Ontario Steel Co. Ltd.	Whitby
Neelon Steel Ltd.	Sudbury
Slater Steel Industries Ltd., Burlington Steel Co. Div.	Hamilton
Stanley Steel Co., Ltd.	Hamilton
Steel Co. of Canada Ltd., The	Hamilton
Union Carbide Canada Ltd.	Welland
Union Drawn Steel Co., Ltd.	Hamilton
Welmet Industries Ltd.	Welland
Manitoba	
Abex Industries of Canada Ltd. (Manitoba Steel Foundry Div.)	Selkirk
Manitoba Rolling Mills Co. Ltd., Div. of Dominion Bridge Co. Ltd.	Selkirk
Alberta	
Foothills Steel Foundry Div., Irving Industries Ltd.	Calgary
Quality Steel Foundries Ltd.	Edmonton
Steel Co. of Canada Ltd., The	Edmonton
Western Canada Steel Ltd.	Calgary
British Columbia	
A - 1 Steel and Iron Foundry Ltd.	Vancouver
Consolidated Mining and Smelting Co. of Canada Ltd.	Kimberley
Esco Limited, Foundry Div.	Port Coquitlam
Reliance Foundry Co. Ltd.	North Surrey
Western Canada Steel Ltd.	Vancouver
Western Canada Steel Ltd.	Twigg Island, Richmond

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