

# DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

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Memorandum

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## SCRAP IRON AND STEEL, 1956

Consumption of scrap iron and steel in Canadian industry totalled 3,896,992 net tons in 1956. Steel furnaces used 2,865,563 tons; iron foundries used 690,000 tons; iron blast furnaces used 173,914 tons; steel rolling mills, 106,575 tons; ferro-alloy furnaces, 36,895 tons; abrasive furnaces, 14,452 tons and other industries, 9,593 tons. About 38 per cent of the total, or 1,495,589 tons, was home scrap and about 62 per cent, or 2,401,403 tons, was purchased scrap.

Imports of scrap iron and steel amounted to 846,219 tons in 1956 and exports totalled 660,122 tons.

Table 1 - Scrap Iron and Steel Used, 1952-1956

Year	In iron blast furnaces	In steel furnaces	In ferro- alloy furnaces	In rolling mills	In iron foundries	In artificial abrasives furnaces	TOTAL*
(Tons of 2,000 pounds)							
1952 .....	106,754	2,122,270	40,549	62,132	553,000	17,460	2,909,867
1953 .....	85,799	2,200,518	28,659	84,020	552,000	24,506	2,984,387
1954 .....	82,399	1,629,866	16,685	75,992	529,000	16,169	2,357,722
1955 .....	125,845	2,366,197	27,100	95,012	647,000	15,988	3,285,402
1956 .....	173,914	2,865,563	36,895	106,575	690,000	14,452	3,896,992

\* Includes 7,702 tons used in miscellaneous industries in 1952; 8,885 tons in 1953; 7,611 tons in 1954; 8,350 tons in 1955 and 9,593 tons in 1956.

Table 2 - Scrap Iron and Steel Used, 1952-1956

Year	Purchased	Own make	TOTAL
(Tons of 2,000 pounds)			
1952 .....	1,786,866	1,123,001	2,909,867
1953 .....	1,744,120	1,240,267	2,984,387
1954 .....	1,279,972	1,077,750	2,357,722
1955 .....	1,923,339	1,362,063	3,285,402
1956 .....	2,401,403	1,495,589	3,896,992

Prepared in the Metal and Chemical Products Section, Industry and Merchandising Division.

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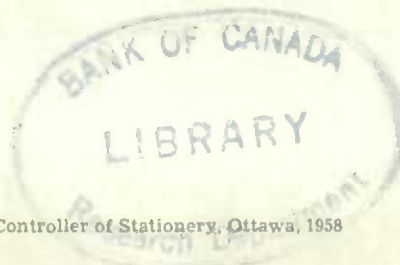


Table 3 - Scrap Iron and Steel Used in Steel Furnaces, 1952-1956

Year	Companies' own make	Purchased	Cost at works of Purchased scrap
	(Tons of 2,000 pounds)		\$
1952 .....	1,027,181	1,095,089	38,075,596
1953 .....	1,150,449	1,050,069	36,089,290
1954 .....	968,044	661,822	17,579,528
1955 .....	1,227,403	1,138,704	36,307,334
1956 .....	1,359,339	1,506,224	67,035,699

Table 4 - Scrap Iron and Steel and Pig Iron Used in Steel Furnaces, 1952-1956

Year	Scrap	Pig iron	Per cent scrap
	(Tons of 2,000 pounds)		
1952 .....	2,122,270	1,958,258	52.0
1953 .....	2,200,518	2,311,378	48.8
1954 .....	1,629,866	1,767,307	48.0
1955 .....	2,366,107	2,554,433	48.0
1956 .....	2,865,563	2,902,367	49.7

Table 5 - Scrap Iron and Steel Used in Iron Foundries, 1952-1956

Year	Companies' own make	Purchased	Cost at works of purchased scrap
	(Tons of 2,000 pounds)		\$
1952 .....	92,000	461,000	15,384,000
1953 .....	79,000	473,000	15,478,000
1954 .....	98,000	431,000	13,678,000
1955 .....	123,000	524,000	16,671,000
1956 .....	122,000	568,000	24,090,000

Table 6 - Scrap Iron and Steel and Pig Iron Used in Iron Foundries, 1952-1956

Year	Scrap	Pig Iron	Per cent scrap
	(Tons of 2,000 pounds)		
1952 .....	553,000	380,000	59.3
1953 .....	552,000	356,000	60.8
1954 .....	529,000	267,000	66.4
1955 .....	647,000	333,000	66.0
1956 .....	690,000	385,000	64.2

Table 7 - Scrap Iron and Steel Used in Iron Blast Furnaces, 1952-1956

Year	Quantity	Cost at works
	(Tons of 2,000 pounds)	\$
1952 .....	106,754	2,829,571
1953 .....	85,799	1,534,963
1954 .....	82,399	856,654
1955 .....	125,845	1,226,914
1956 .....	173,914	3,210,797

Table 8 - Scrap Iron and Steel Used in Rolling Mills, 1952-1956

Year	Companies' own make	Purchased	Cost at works of purchased scrap
	(Tons of 2,000 pounds)		\$
1952 .....	3,820	58,312	2,543,903
1953 .....	10,818	73,202	3,422,717
1954 .....	11,698	64,294	2,755,794
1955 .....	11,660	83,352	3,455,563
1956 .....	14,250	92,325	4,995,283

Table 9 - Scrap Iron and Steel Used in the Manufacture of Ferro-alloys, 1952-1956

Year	Quantity	Cost at works
	(Tons of 2,000 pounds)	\$
1952 .....	40,549	1,401,794
1953 .....	28,659	870,216
1954 .....	16,685	276,812
1955 .....	27,100	594,082
1956 .....	36,895	1,219,143

Table 10 - Scrap Iron used in the Manufacture of Artificial Abrasives, 1952-1956

Year	Quantity	Cost at works
	(Tons of 2,000 pounds)	\$
1952 .....	17,460	555,507
1953 .....	24,506	775,747
1954 .....	16,169	463,665
1955 .....	15,988	391,830
1956 .....	14,452	485,760





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Table 11 - Imports of Scrap Iron and Steel, 1952-1956

Year	Cast scrap		Wrought scrap		Tin plate scrap		Total	
	Tons of 2,000 pounds	\$	Tons of 2,000 pounds	\$	Tons of 2,000 pounds	\$	Tons of 2,000 pounds	\$
1952 .....	46,048	1,500,250	158,734	5,314,687	1,034	25,536	205,816	6,840,473
1953 .....	35,680	1,034,588	64,199	2,435,038	299	8,168	100,178	3,477,794
1954 .....	41,538	1,158,841	22,674	864,519	935	24,997	65,147	2,048,357
1955 .....	64,994	1,955,997	373,060	12,378,572	834	21,070	438,888	14,773,457
1956 .....	66,281	2,557,701	778,479	38,703,768	1,459	39,997	846,219	41,299,466

Table 12 - Exports of Scrap Iron and Steel, 1952-1956

Year	Quantity	\$
	(Tons of 2,000 pounds)	
1952 .....	87,788	4,187,183
1953 .....	410,009	15,877,155
1954 .....	559,271	15,868,467
1955 .....	592,727	20,936,387
1956 .....	660,122	30,427,056

Table 13 - Stocks of Scrap Iron and Steel Held by Consumers on December 31, 1956

	Tons
Iron blast furnaces .....	12,299
Steel furnaces .....	549,975
Iron foundries .....	79,933
TOTAL .....	642,907