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SCRAP IRON AND STEEL, 1961

Consumption of scrap iron and steel in Canadian industry totalled about 3,888,000 net tons in 1961. Steel furnaces used 3,026,000 tons; iron foundries used 633,000 tons; iron blast furnaces used 117,000 tons; steel rolling mills, 67,000 tons; ferro-alloy furnaces, 28,000 tons; abrasives furnaces, 11,000 tons and other industries about 6,000 tons. About 49 per cent of the total, or 1,888,000 tons, was home scrap and about 51 per cent, or 2,000,000 tons, was purchased scrap.

Imports of scrap iron and steel amounted to 357,000 tons in 1961 and exports totalled 805,000 tons.

TABLE 1. Scrap Iron and Steel Used 1956-61

Year	In sinter plant and iron blast furnaces	In steel furnaces	In ferro-alloy furnaces	In rolling mills	In iron foundries	In artificial abrasives	Total(1)
tons of 2,000 pounds							
1956 ....	173,914	2,865,363	36,895	106,575	690,000	14,452	3,896,992
1957 ....	179,629	2,625,963	29,043	101,670	598,000	16,654	3,560,767
1958 ....	126,239	2,112,355	18,152	64,913	605,000	11,000	2,945,315
1959 ....	102,000	2,952,000	28,000	80,000	661,000	13,000	3,843,000
1960 ....	124,000	2,888,000	36,000	71,000	593,000	14,000	3,733,000
1961 ....	117,000	3,026,000	28,000	67,000	633,000	11,000	3,888,000

(1) Includes 9,593 tons used in miscellaneous industries in 1956; 9,333 tons in 1957; 7,656 tons in 1958; 7,000 tons in 1959, 7,000 tons in 1960 and 6,000 tons in 1961.

TABLE 2. Scrap Iron and Steel Used 1956-61

Year	Purchased	Own make	Total
tons of 2,000 pounds			
1956 .....	2,401,403	1,495,589	3,896,992
1957 .....	2,139,593	1,421,174	3,560,767
1958 .....	1,723,246	1,221,782	2,945,315
1959 .....	2,154,000	1,689,000	3,843,000
1960 .....	2,024,000	1,709,000	3,733,000
1961 .....	2,000,000	1,888,000	3,888,000

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TABLE 3. Scrap Iron and Steel Used in Steel Furnaces, 1956-61

Year	Companies'	Purchased	Cost at plant of
	own make	tons of 2,000 pounds	purchased scrap
1956 .....	1,359,339	1,506,224	67,055,699
1957 .....	1,307,068	1,318,895	56,957,262
1958 .....	1,112,744	999,611	32,517,440
1959 .....	1,560,000	1,392,000	49,060,000
1960 .....	1,574,000	1,314,000	44,097,000
1961 .....	1,733,000	1,293,000	42,956,000

TABLE 4. Scrap Iron and Steel and Pig Iron Used in Steel Furnaces, 1956-61

Year	Scrap	Pig iron	Per cent scrap
	tons of 2,000 pounds		%
1956 .....	2,865,563	2,902,367	49.7
1957 .....	2,625,963	2,875,324	47.7
1958 .....	2,112,355	2,610,517	44.7
1959 .....	2,952,000	3,511,000	45.7
1960 .....	2,888,000	3,511,000	45.1
1961 .....	3,026,000	4,057,000	42.7

TABLE 5. Scrap Iron and Steel Used in Iron Foundries, 1956-61

Year	Companies'	Purchased	Cost at plant of
	own make	tons of 2,000 pounds	purchased scrap
1956 .....	122,000	568,000	24,090,000
1957 .....	101,000	497,000	20,220,000
1958 .....	109,000	496,000	18,635,000
1959 .....	129,000	532,000	21,163,000
1960 .....	103,000	490,000	18,701,000
1961 .....	116,000	517,000	19,406,000

TABLE 6. Scrap Iron and Steel and Pig Iron Used in Iron Foundries, 1956-61

Year	Scrap	Pig iron	Per cent scrap
	tons of 2,000 pounds		%
1956 .....	690,000	385,000	64.2
1957 .....	598,000	309,000	65.9
1958 .....	605,000	252,000	70.6
1959 .....	661,000	300,000	68.8
1960 .....	593,000	261,000	69.4
1961 .....	633,000	235,000	72.9

TABLE 7. Scrap Iron and Steel Used in Sinter Plant and Blast Furnaces, 1956-61

Year	Companies' own make	Purchased	Cost at plant of purchased scrap
		tons of 2,000 pounds	\$
1956 .....	(1)	173,914	3,210,797
1957 .....	(1)	179,629	3,432,678
1958 .....	(1)	126,239	1,469,057
1959 .....	(1)	102,000	1,783,000
1960 .....	32,000	92,000	1,319,000
1961 .....	39,000	78,000	778,000

(1) Not available.

TABLE 8. Scrap Iron and Steel Used in Rolling Mills, 1956-61

Year	Companies' own make	Purchased	Cost at plant of purchased scrap
		tons of 2,000 pounds	\$
1956 .....	14,250	92,325	4,995,283
1957 .....	13,007	88,663	5,040,536
1958 .....	-	64,913	3,226,756
1959 .....	-	80,000	4,170,000
1960 .....	-	71,000	3,514,000
1961 .....	-	67,000	3,360,000

TABLE 9. Scrap Iron and Steel Used in the Manufacture of Ferro-alloys, 1956-61

Year	Quantity	Cost at plant
	tons of 2,000 pounds	\$
1956 .....	36,895	1,219,143
1957 .....	29,043	925,856
1958 .....	18,152	413,286
1959 .....	28,000	679,000
1960 .....	36,000	734,000
1961 .....	28,000	498,000

TABLE 10. Scrap Iron Used in the Manufacture of Artificial Abrasives, 1956-61

Year	Quantity	Cost at plant
	tons of 2,000 pounds	\$
1956 .....	14,452	485,760
1957 .....	16,654	563,851
1958 .....	11,000	322,766
1959 .....	13,000	371,000
1960 .....	14,000	383,000
1961 .....	11,900	294,000

TABLE 11. Imports of Scrap Iron and Steel, 1956-61

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	\$
1956 ..	66,281	2,557,701	778,479	38,703,768	1,459	39,997	846,219	41,299,466
1957 ..	47,293	1,568,051	435,669	17,805,053	901	24,560	483,863	19,397,664
1958 ..	59,708	1,792,752	229,697	6,941,168	316	15,321	289,721	9,023,641
1959 ..	85,161	2,628,116	576,574	21,163,510	376	11,347	662,111	23,802,973
1960 ..	107,776	2,862,434	480,273	15,717,343	514	17,800	588,563	18,597,577
1961 ..	96,143	2,706,387	260,614	9,024,065	388	12,400	357,145	11,742,852

TABLE 12. Exports of Scrap Iron and Steel, 1956-61

Year	Quantity		Value
	tons of	2,000 pounds	
1956 ..		660,122	30,427,056
1957 ..		684,166	28,619,566
1958 ..		387,147	12,393,580
1959 ..		382,897	12,781,159
1960 ..		421,448	13,675,451
1961 ..		804,770	26,563,679

TABLE 13. Stocks of Scrap Iron and Steel Held by Consumers on December 31, 1961

	Tons
Iron blast furnaces .....	2,000
Steel furnaces .....	800,000
Iron foundries .....	75,000
Total .....	877,000