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S16-23-9-48

SCRAP IRON AND STEEL, 1946LIBRARY  
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Consumption of scrap iron and steel in Canadian industry totalled more than 2 million net tons in 1946. Steel furnaces used 1,517,014 tons; iron foundries used 424,319 tons; iron blast furnaces, 23,070 tons; steel rolling mills, 52,761 tons; ferro-alloy furnaces, 28,371 tons; abrasives furnaces, 12,367 tons, and other industries 4,551 tons, about 59 per cent of the total, or 1,214,175 tons, was purchased scrap and 41 per cent, or 848,278 tons, was home scrap.

Imports of scrap iron and steel amounted to 195,656 tons in 1946 and exports totalled 12,154 tons.

Table 1 - SCRAP IRON AND STEEL USED IN CANADA, 1937-1946

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)							
1937 ....	18,443	1,003,791	34,405	51,222	306,872	10,025	1,424,758
1938 ....	21,418	747,340	22,328	57,023	247,936	5,651	1,081,696
1939 ....	21,204	927,018	30,736	36,385	268,534	5,993	1,299,870
1940 ....	28,691	1,323,501	45,920	46,050	398,157	9,427	1,851,746
1941 ....	47,271	1,599,124	47,664	54,787	522,890	13,550	2,285,286
1942 ....	64,624	1,826,911	38,959	49,773	522,364	20,830	2,523,461
1943 ....	43,032	1,751,779	40,045	34,895	470,608	20,889	2,361,248
1944 ....	27,604	1,642,250	37,095	43,303	442,838	19,991	2,213,081
1945 ....	37,067	1,741,895	50,550	49,690	453,843	17,799	2,350,844
1946 ....	23,070	1,517,014	28,371	52,761	424,319	12,367	2,062,453(x)

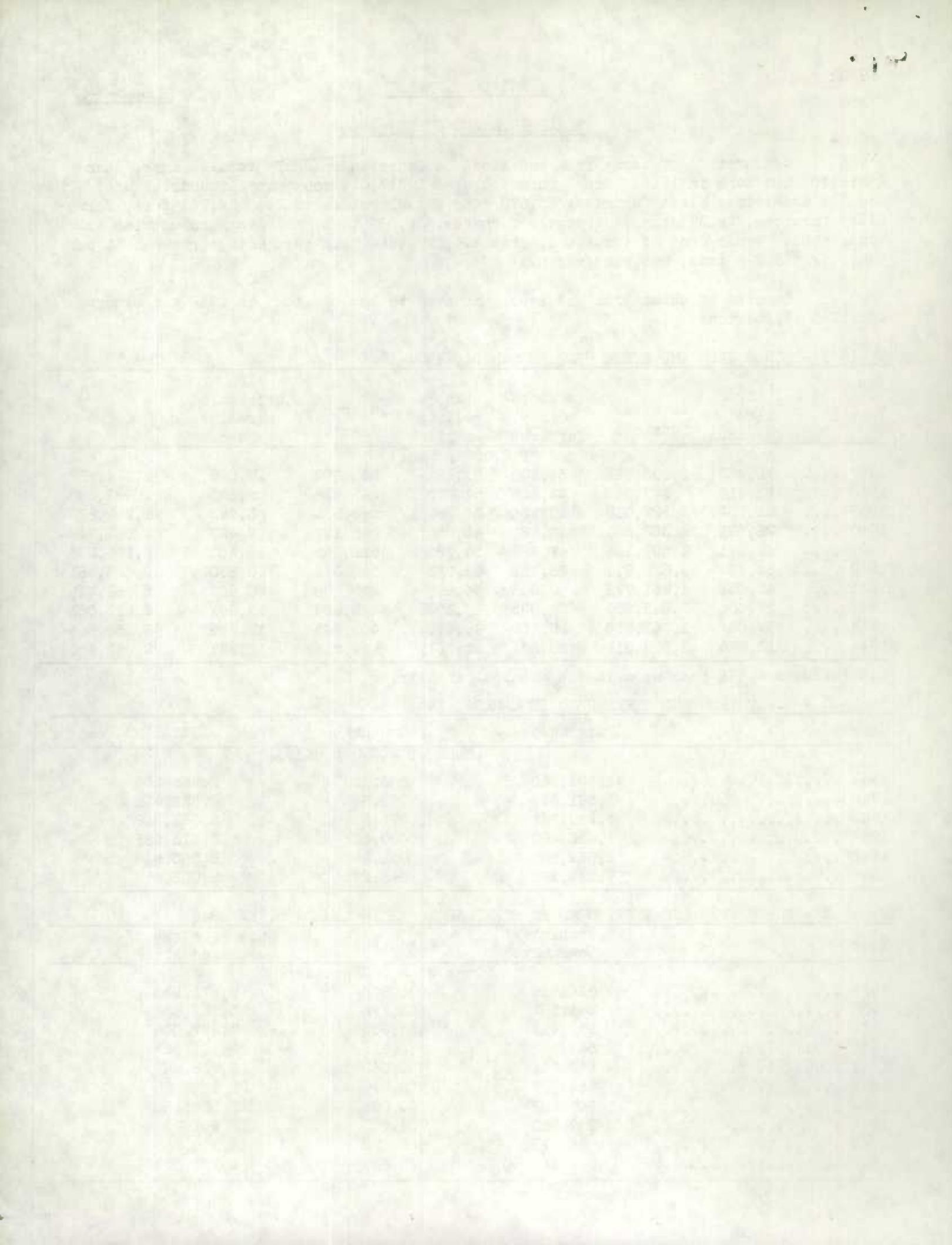
(x) Includes 4,551 tons used in the chemical industries.

Table 2 - SCRAP IRON AND STEEL USED IN CANADA, 1941-1946

Year	Purchased	Own Make	TOTAL
(Tons of 2,000 pounds)			
1941 .....	1,401,959	883,327	2,285,286
1942 .....	1,581,569	941,892	2,523,461
1943 .....	1,289,737	1,071,511	2,361,248
1944 .....	1,212,480	1,000,601	2,213,081
1945 .....	1,369,657	981,187	2,350,844
1946 .....	1,214,175	848,278	2,062,453

Table 3 - SCRAP IRON AND STEEL USED IN STEEL FURNACES IN CANADA, 1937-1946

Year	Companies' own make	Purchased	Cost at works of purchased scrap
(Tons of 2,000 pounds)			
1937 .....	366,919	636,872	\$ 8,371,995
1938 .....	284,562	462,778	5,782,857
1939 .....	372,413	554,605	7,227,009
1940 .....	541,582	781,919	12,421,527
1941 .....	698,761	900,363	18,708,469
1942 .....	864,537	962,374	21,377,022
1943 .....	947,683	804,096	17,554,265
1944 .....	887,513	754,737	15,661,279
1945 .....	876,275	865,620	15,370,285
1946 .....	723,365	793,649	14,701,571



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Table 4 - SCRAP IRON AND STEEL AND PIG IRON USED IN STEEL FURNACES IN CANADA, 1937-1946

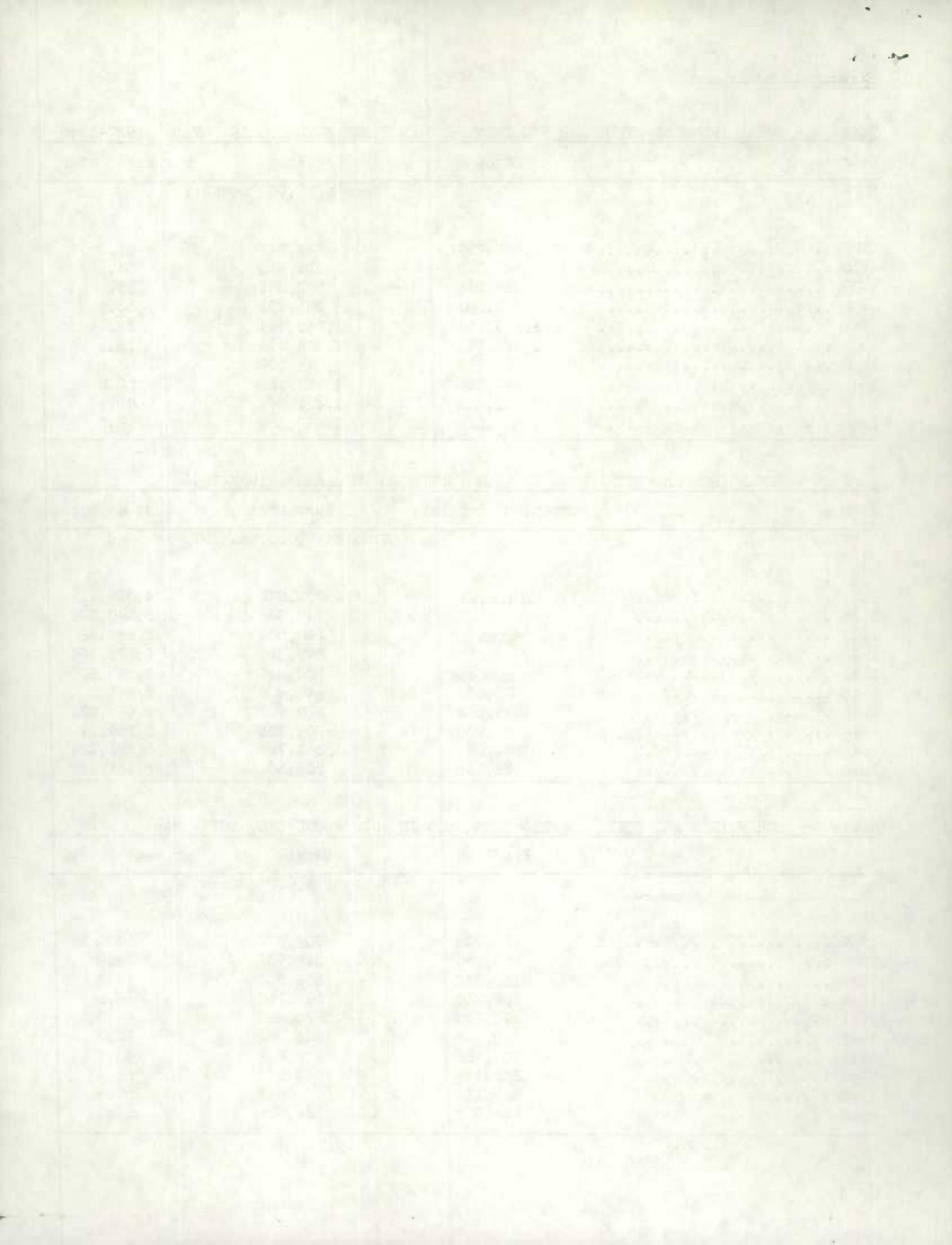
Year	Scrap	Pig Iron	Per cent Scrap
(Tons of 2,000 pounds)			
1937 .....	1,003,791	747,747	57.3
1938 .....	747,340	634,920	54.1
1939 .....	927,018	733,096	55.8
1940 .....	1,323,501	1,083,421	55.0
1941 .....	1,599,124	1,340,441	54.4
1942 .....	1,826,911	1,615,396	53.1
1943 .....	1,751,779	1,518,548	53.6
1944 .....	1,642,250	1,513,586	52.0
1945 .....	1,741,895	1,416,844	55.1
1946 .....	1,517,014	1,085,005	58.3

Table 5 - SCRAP IRON AND STEEL USED IN IRON FOUNDRIES IN CANADA, 1937-1946

Year	Companies' Own Make	Purchased	Cost at works
(Tons of 2,000 pounds) \$			
1937 .....	Included	306,872	4,319,211
1938 .....		247,936	3,440,200
1939 .....	with	268,534	3,680,584
1940 .....		398,157	6,638,181
1941 .....	"Purchased"	522,890	9,797,802
1942 .....	73,434	448,930	8,243,069
1943 .....	119,676	350,932	6,089,431
1944 .....	107,933	334,905	5,517,110
1945 .....	101,060	352,783	5,271,231
1946 .....	122,725	301,594	5,458,761

Table 6 - SCRAP IRON AND STEEL AND PIG IRON USED IN IRON FOUNDRIES, 1937-1946

Year	Pig Iron	Scrap	Per cent Scrap
(Tons of 2,000 pounds)			
1937 .....	196,208	306,872	60.0
1938 .....	140,856	247,936	64.8
1939 .....	150,332	268,534	63.5
1940 .....	188,730	398,157	66.3
1941 .....	291,125	522,890	64.2
1942 .....	315,662	522,364	62.3
1943 .....	304,786	470,608	60.7
1944 .....	313,381	442,838	58.6
1945 .....	343,177	453,843	56.9
1946 .....	328,509	424,319	56.4



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Table 7 - SCRAP IRON AND STEEL USED IN IRON BLAST FURNACES IN CANADA, 1937-1946

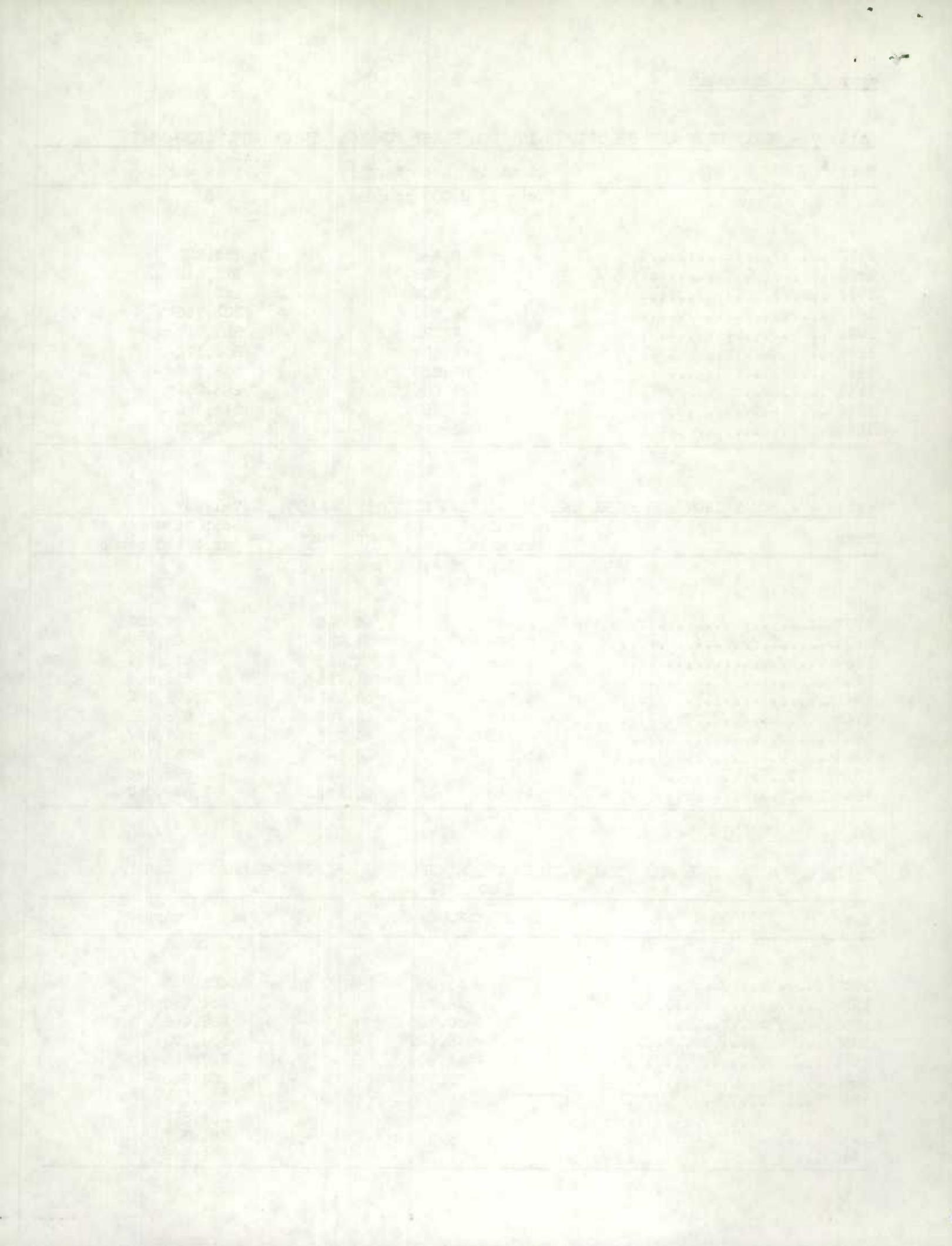
Year	Quantity (net charge) (Tons of 2,000 pounds)	Cost at works \$
1937 .....	18,443	159,825
1938 .....	21,418	175,648
1939 .....	21,204	192,362
1940 .....	28,691	333,768
1941 .....	47,271	581,717
1942 .....	64,624	803,172
1943 .....	43,032	543,930
1944 .....	27,604	283,290
1945 .....	37,067	374,158
1946 .....	23,070	271,000

Table 8 - SCRAP IRON AND STEEL USED IN ROLLING MILLS IN CANADA, 1937-1946

Year	Companies' own make	Purchased	Cost at works of purchased scrap \$
	(Tons of 2,000 pounds)		\$
1937 .....	3,842	47,380	848,807
1938 .....	3,088	33,935	585,992
1939 .....	3,979	42,406	815,291
1940 .....	4,319	41,731	816,944
1941 .....	4,715	50,072	1,107,772
1942 .....	4,281	45,492	898,891
1943 .....	4,152	30,743	527,367
1944 .....	5,155	38,148	752,178
1945 .....	4,027	45,663	899,566
1946 .....	2,188	50,573	1,096,060

Table 9 - SCRAP IRON AND STEEL USED IN THE MANUFACTURE OF FERRO-ALLOYS IN CANADA,  
1937-1946

Year	Tons of 2,000 pounds	Cost at works \$
1937 .....	34,405	425,835
1938 .....	22,328	231,285
1939 .....	30,736	269,462
1940 .....	45,920	554,102
1941 .....	47,664	597,555
1942 .....	38,959	503,860
1943 .....	40,045	516,148
1944 .....	37,095	451,847
1945 .....	50,550	581,317
1946 .....	28,371	401,898



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Table 10 - SCRAP IRON USED IN THE MANUFACTURE OF ARTIFICIAL ABRASIVES IN CANADA,  
1937-1946

Year	Tons of 2,000 pounds	Cost at works
		\$
1937 .....	10,025	107,827
1938 .....	5,651	51,155
1939 .....	5,993	47,996
1940 .....	9,427	108,351
1941 .....	13,550	172,713
1942 .....	20,830	261,304
1943 .....	20,889	283,311
1944 .....	19,991	269,409
1945 .....	17,799	223,808
1946 .....	12,367	179,600

Table 11 - IMPORTS INTO CANADA OF SCRAP IRON AND STEEL, 1937-1946

Year	Tons of 2,000 pounds	\$
		\$
1937 .....	174,907	2,063,838
1938 .....	99,380	849,263
1939 .....	177,564	2,053,687
1940 .....	415,981	5,786,265
1941 .....	295,990	5,034,820
1942 .....	114,917	1,925,911
1943 .....	37,018	691,872
1944 .....	71,440	1,087,695
1945 .....	58,795	798,424
1946 .....	195,656	2,154,176

Table 12 - EXPORTS FROM CANADA OF SCRAP IRON AND STEEL, 1937-1946

Year	Tons of 2,000 pounds	\$
		\$
1937 .....	143,977	1,954,698
1938 .....	85,122	1,008,992
1939 .....	93,837	1,020,642
1940 .....	3,261	47,336
1941 .....	28,089	372,380
1942 .....	57,348	742,461
1943 .....	105,737	1,390,391
1944 .....	68,304	1,017,549
1945 .....	28,459	387,006
1946 .....	12,154	165,563

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