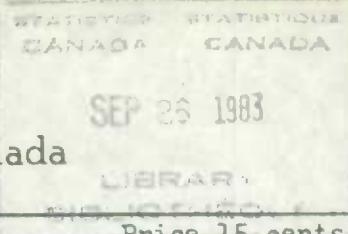


41-212

D.B.S. MEMORANDUM

Dominion Bureau of Statistics, Ottawa, Canada



A83

SCRAP IRON AND STEEL, 1947

Consumption of scrap iron and steel in Canadian industry totalled about 2,295,000 net tons in 1947. Steel furnaces used 1,671,676 tons; iron foundries used 468,627 tons; iron blast furnaces, 39,474 tons; steel rolling mills, 61,328 tons; ferro-alloy furnaces, 33,933 tons; abrasives furnaces, 14,312 tons, and other industries, 5,843 tons. About 56 per cent of the total, or 1,292,576 tons, was purchased scrap and 41 per cent, or 996,774 tons, was home scrap.

Imports of scrap iron and steel amounted to 186,711 tons in 1947 and exports totalled 3,060 tons.

Table 1 - SCRAP IRON AND STEEL USED IN CANADA, 1938-1947

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)							
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
1947 ...	39,474	1,671,676	33,933	61,328	468,627	14,312	(*)2,295,193

(*) Includes 4,551 tons used in the chemical industries in 1946 and 5,843 tons in 1947.

Table 2 - SCRAP IRON AND STEEL USED IN CANADA, 1941-1947

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
1947	1,292,576	996,774	2,295,193

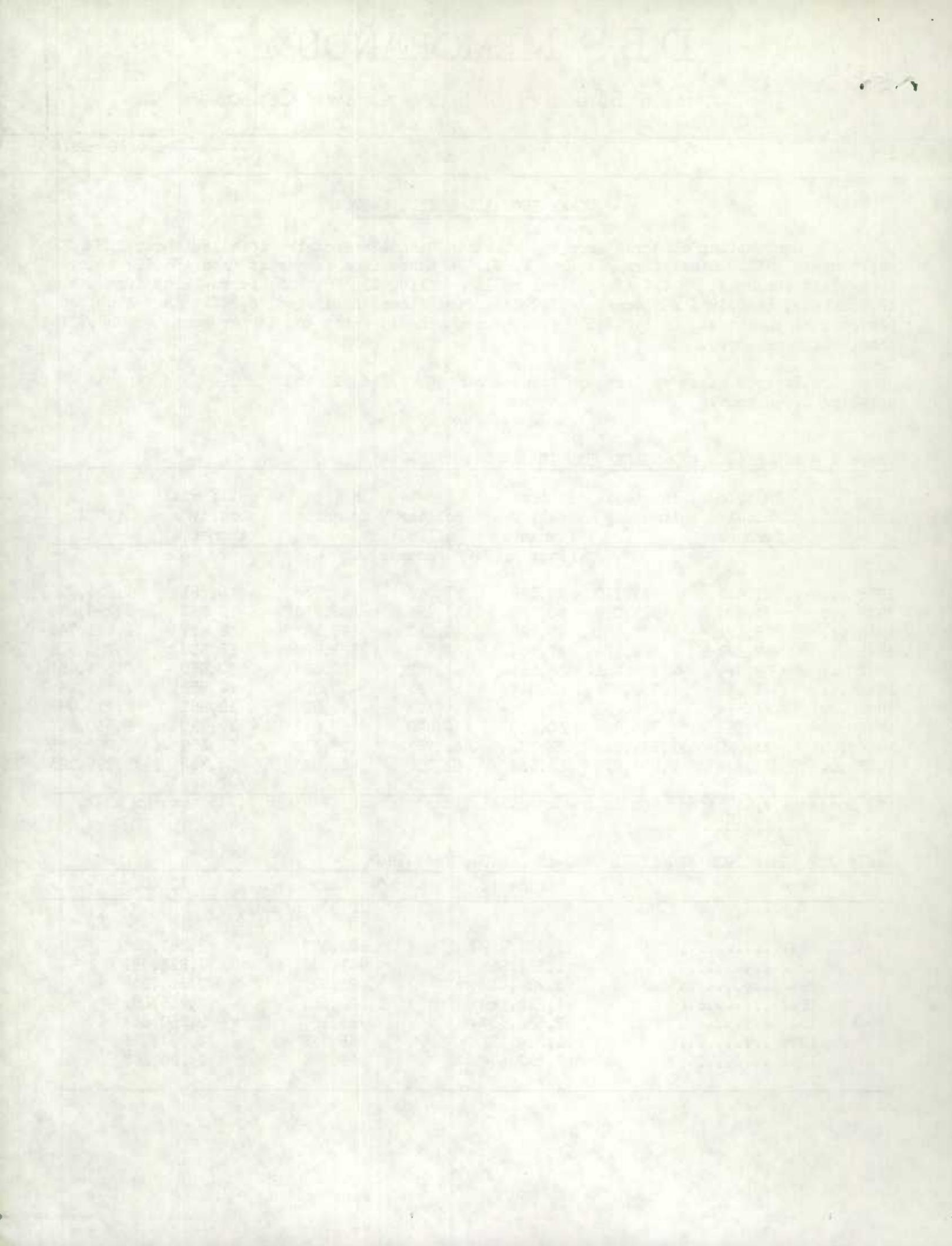


Table 3 - SCRAP IRON AND STEEL USED IN STEEL FURNACES IN CANADA, 1938-1947

Year	Companies' own make	Purchased	Cost at works of purchased scrap
		(Tons of 2,000 pounds)	\$
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
1947	882,958	788,718	19,426,124

Table 4 - SCRAP IRON AND STEEL AND PIG IRON USED IN STEEL FURNACES IN CANADA, 1938-1947

Year	Scrap	Pig iron	Per cent scrap
	(Tons of 2,000 pounds)		
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
1947	1,671,676	1,542,040	52.0

Table 5 - SCRAP IRON AND STEEL USED IN IRON FOUNDRIES IN CANADA, 1938-1947

Year	Companies' own make	Purchased	Cost at works of purchased scrap
		(Tons of 2,000 pounds)	\$
1938	Included	247,936	3,440,200
1939	with	268,534	3,680,584
1940	"Purchased"	398,157	6,638,181
1941		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
1947	105,427	363,200	7,326,125

Scrap Iron and Steel

- 3 -

Table 6 - SCRAP IRON AND STEEL AND PIG IRON USED IN IRON FOUNDRIES, 1938-1947

Year	Pig iron (Tons of 2,000 pounds)	Scrap	Per cent scrap
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
1947	390,792	468,627	54.5

Table 7 - SCRAP IRON AND STEEL USED IN IRON BLAST FURNACES IN CANADA, 1938-1947

Year	Quantity (net charge) (Tons of 2,000 pounds)	Cost at works \$
.. 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
1947	39,474	338,631

Table 8 - SCRAP IRON AND STEEL USED IN ROLLING MILLS IN CANADA, 1938-1947

Year	Companies' own make (Tons of 2,000 pounds)	Purchased	Cost at works of purchased scrap \$
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
1947	8,389	52,939	1,224,112

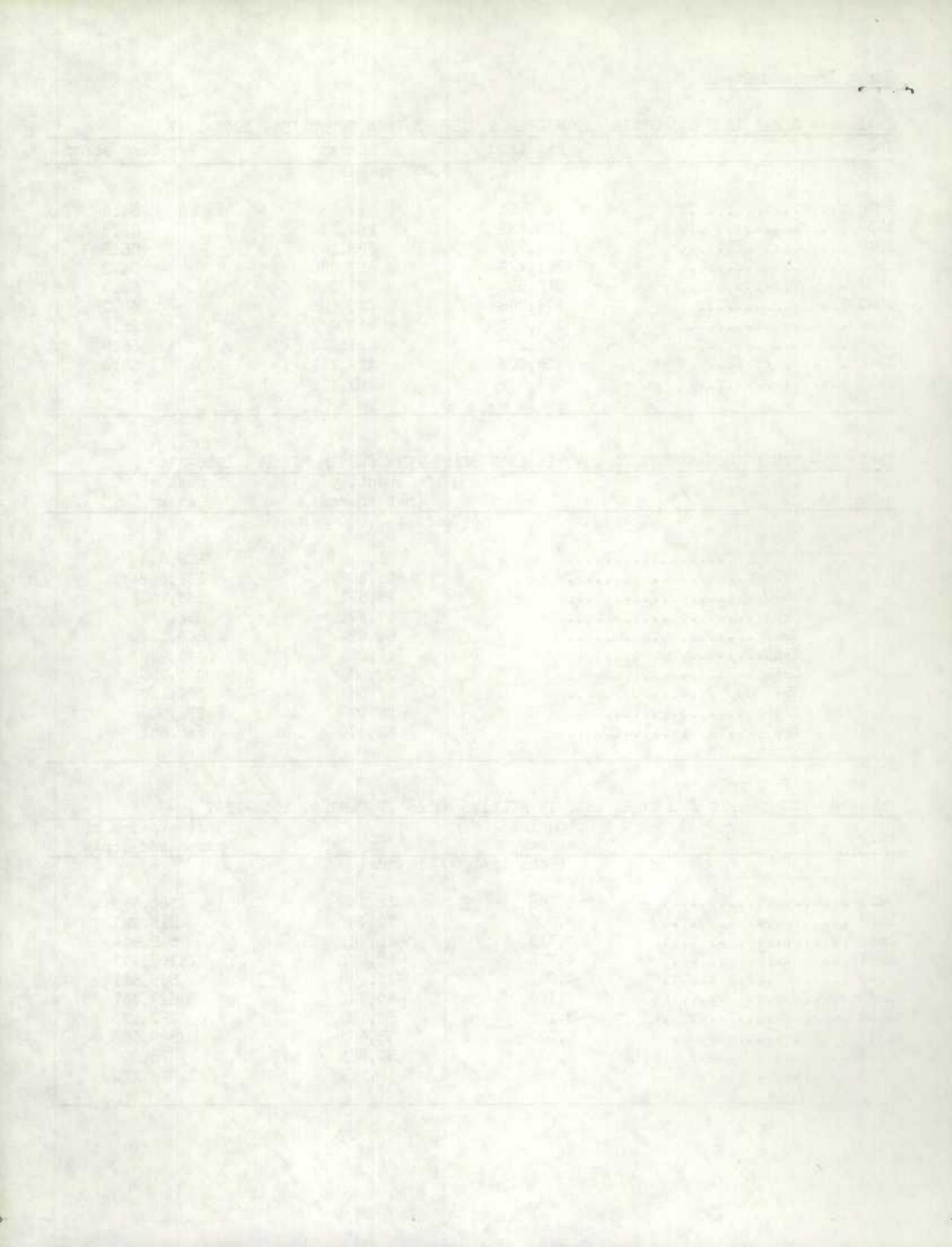


Table 9 - SCRAP IRON AND STEEL USED IN THE MANUFACTURE OF FERRO-ALLOYS IN CANADA,
1938-1947

Year	Tons of 2,000 pounds	Cost at works \$
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
1947	33,933	814,631

Table 10 - SCRAP IRON USED IN THE MANUFACTURE OF ARTIFICIAL ABRASIVES IN CANADA, 1938-1947

Year	Tons of 2,000 pounds	Cost at works \$
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
1947	14,312	204,482

Table 11 - IMPORTS INTO CANADA OF SCRAP IRON AND STEEL, 1938-1947

Year	Tons of 2,000 pounds	\$
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
1947	186,711	4,183,223

STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010699036