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SCRAP IRON AND STEEL - 1949

Consumption of scrap iron and steel in Canadian industry totalled about 2,468,797 net tons in 1949. Steel furnaces used 1,770,758 tons; iron foundries used 525,000 tons; iron blast furnaces, 58,240 tons; steel rolling mills, 65,045 tons; ferro-alloy furnaces, 37,521 tons; abrasives furnaces, 8,469 tons, and other industries, 3,764 tons. About 58 per cent of the total, or 1,419,837 tons, was purchased scrap and 42 per cent, or 1,048,960 tons, was home scrap.

Imports of scrap iron and steel amounted to 284,354 tons in 1949 and exports totalled 39,975 tons.

Table 1 - SCRAP IRON AND STEEL USED, 1945-1949

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)						
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
1948	44,374	1,833,539	30,666	64,779	520,508	12,200	(*)2,509,702
1949	58,240	1,770,758	37,521	65,045	525,000	8,469	(*)2,468,797

(*) Includes 4,551 tons used in the chemical industries in 1946; 5,843 tons in 1947; 3,636 tons in 1948; and 3,764 tons in 1949.

Table 2 - SCRAP IRON AND STEEL USED, 1945-1949

Year	Purchased	Own make	TOTAL
	(Tons of 2,000 pounds)		
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
1948	1,471,614	1,038,088	2,509,702
1949	1,419,837	1,048,960	2,468,797

NOTE: This report was prepared in the Mining, Metallurgical and Chemical Section.

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Scrap

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Table 3 - SCRAP IRON AND STEEL USED IN STEEL FURNACES, 1945-1949

Year	Companies' own make	Purchased	Cost at works of purchased scrap
	(Tons of 2,000 pounds)		\$
1945	876,275	865,620	15,370,285
1946	723,365	793,649	14,701,571
1947	882,958	788,718	19,426,124
1948	934,905	898,634	23,130,302
1949	950,904	819,854	20,960,172

Table 4 - SCRAP IRON AND STEEL AND PIG IRON USED IN STEEL FURNACES, 1945-1949

Year	Scrap	Pig iron	Per cent scrap
	(Tons of 2,000 pounds)		
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
1948	1,833,539	1,696,128	51.9
1949	1,770,758	1,736,824	50.5

Table 5 - SCRAP IRON AND STEEL USED IN IRON FOUNDRIES, 1945-1949

Year	Companies' own make	Purchased	Cost at works of purchased scrap
	(Tons of 2,000 pounds)		\$
1945	101,060	352,783	5,271,231
1946	122,725	301,594	5,458,761
1947	105,427	363,200	7,326,125
1948	90,634	429,874	11,598,760
1949	87,000	438,000	11,900,000

Table 6 - SCRAP IRON AND STEEL AND PIG IRON USED IN IRON FOUNDRIES, 1945-1949

Year	Pig iron	Scrap	Per cent scrap
	(Tons of 2,000 pounds)		
1945	343,177	453,843	56.9
1946	328,509	424,319	56.4
1947	390,792	468,627	54.5
1948	431,520	520,508	54.7
1949	415,000	525,000	55.9

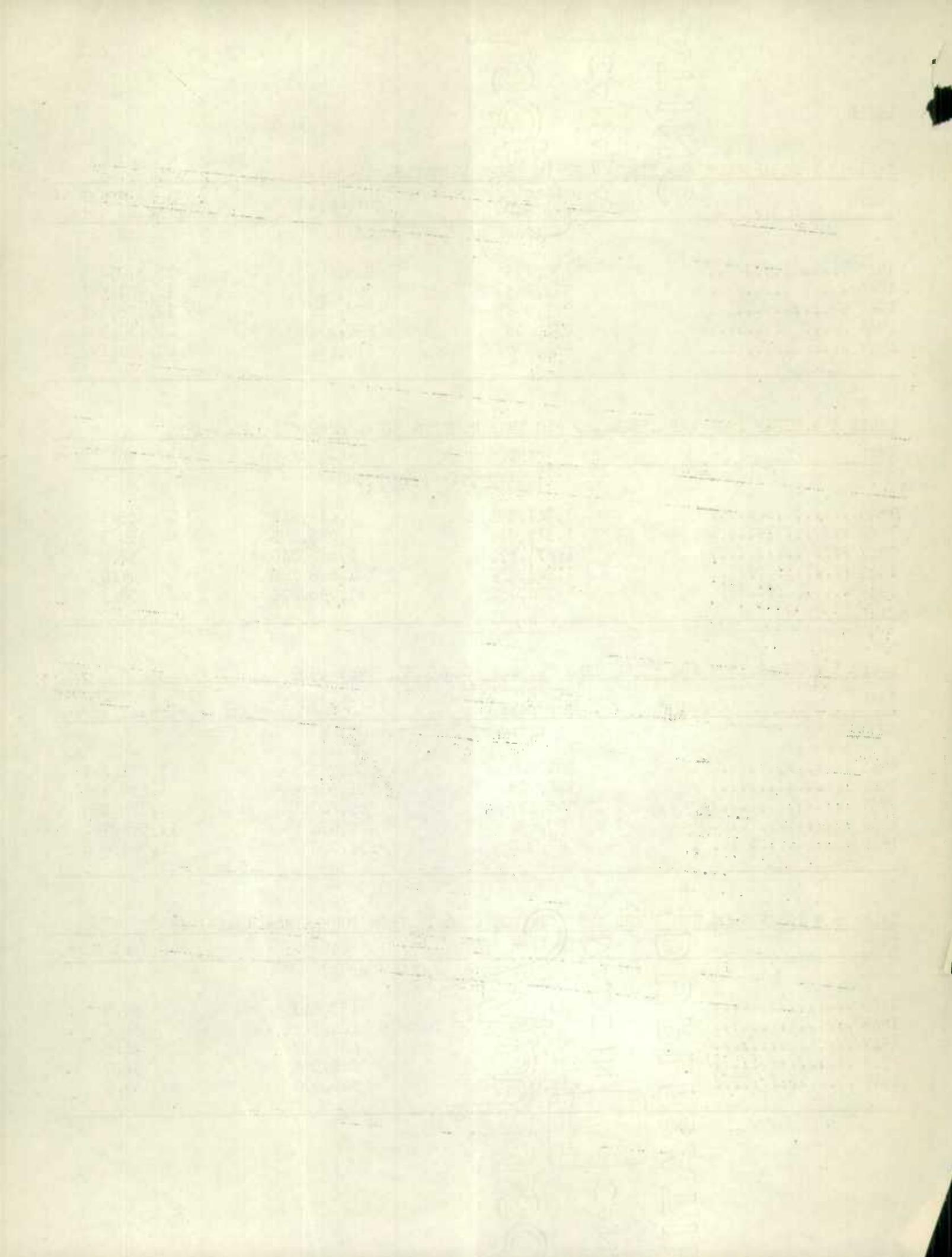


Table 7 - SCRAP IRON AND STEEL USED IN IRON BLAST FURNACES, 1945-1949

Year	Quantity	Cost at
	(net charge)	works
	(Tons of 2,000 pounds)	\$
1945	37,067	374,158
1946	23,070	271,000
1947	39,474	338,631
1948	44,374	748,373
1949	58,240	978,070

Table 8 - SCRAP IRON AND STEEL USED IN ROLLING MILLS, 1945-1949

Year	Companies' own make	Purchased	Cost at works of purchased scrap
		(Tons of 2,000 pounds)	\$
1945	4,027	45,663	899,566
1946	2,188	50,573	1,096,060
1947	8,389	52,939	1,224,112
1948	12,549	52,230	1,377,080
1949	11,056	53,989	1,581,381

Table 9 - SCRAP IRON AND STEEL USED IN THE MANUFACTURE OF FERRO-ALLOYS, 1945-1949

Year	Tons of 2,000 pounds	Cost at works
		\$
1945	50,550	581,317
1946	28,371	401,898
1947	33,933	814,631
1948	30,666	841,986
1949	37,521	776,944

Table 10 - SCRAP IRON USED IN THE MANUFACTURE OF ARTIFICIAL ABRASIVES, 1945-1949

Year	Tons of 2,000 pounds	Cost at works
		\$
1945	17,799	223,808
1946	12,367	179,600
1947	14,312	204,482
1948	12,200	223,867
1949	8,469	172,318

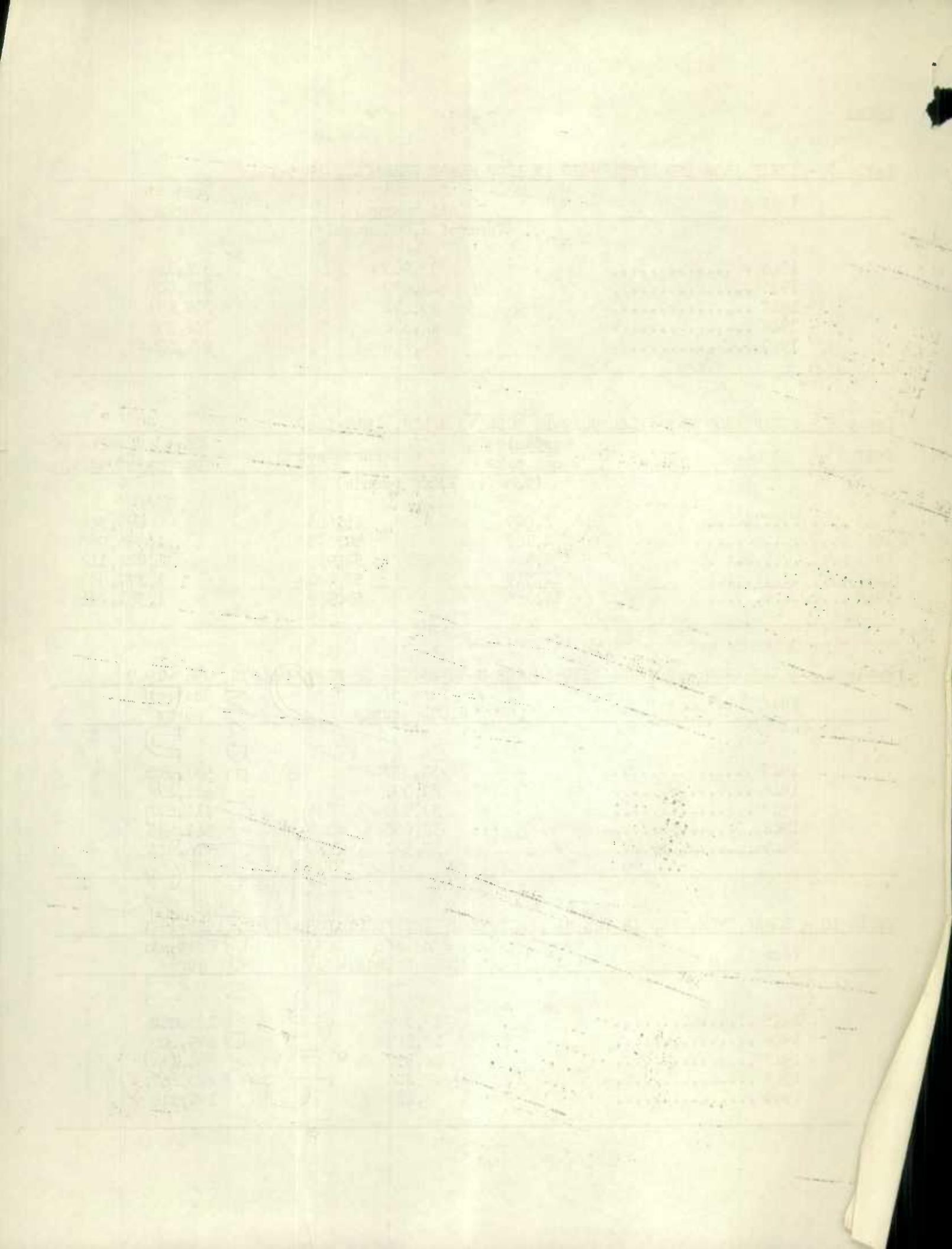


Table 11 - IMPORTS OF SCRAP IRON AND STEEL, 1945-1949

Year	Tons of 2,000 pounds	\$
1945	58,795	798,424
1946	195,656	2,154,176
1947	186,711	4,183,223
1948	315,080	10,437,234
1949	284,354	7,903,207

Table 12 - EXPORTS OF SCRAP IRON AND STEEL, 1945-1949

Year	Tons of 2,000 pounds	\$
1945	28,459	387,006
1946	12,154	165,563
1947	3,060	66,857
1948	5,214	186,640
1949	39,975	1,009,203

Table 13 - STOCKS OF SCRAP IRON AND STEEL HELD BY CONSUMERS ON DECEMBER 31, 1949

	Tons
Iron blast furnaces	2,000
Steel furnaces	528,000
Iron foundries	70,000
TOTAL	600,000



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