

CATALOGUE No.

41-212

ANNUAL

DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Minister of Industry, Trade and Commerce

Price: 25 cents

SCRAP IRON AND STEEL, 1968

Consumption of scrap iron and steel in Canadian industry totalled about 6,426,000 net tons in 1968. Steel furnaces used 4,998,000 tons; iron foundries used 1,203,000 tons; sinter plant and iron blast furnaces used 161,000 tons; steel rolling mills 5,000 tons; ferro-alloy furnaces, 37,000 tons; abrasives furnaces 13,000 tons; and other industries about 9,000 tons. About 53.7 per cent of the total, or 3,452,000 tons, was home scrap and about 46.3 per cent, or 2,974,000 tons, was purchased scrap.

Imports of scrap iron and steel amounted to 641,000 tons in 1968 and exports totalled 448,000 tons.

TABLE 1A. Scrap Iron and Steel Used 1964-1968

Year	In sinter plant and iron blast furnaces	In steel furnaces	In ferro- alloy furnaces	In rolling mills	In iron found- ries (2)	In arti- ficial abrasives furnaces	Total (1)
tons of 2,000 pounds							
1964 ...	128,000	4,326,000	45,000	132,000	924,000	13,000	5,576,000
1965 ...	107,000	4,932,000	42,000	112,000	1,048,000	15,000	6,265,000
1966 ...	173,000	4,732,000	40,000	48,000	1,161,000	16,000	6,179,000
1967 ...	206,000	4,667,000	36,000	44,000	1,104,000	13,000	6,079,000
1968 ...	161,000	4,998,000	37,000	5,000	1,203,000	13,000	6,426,000

(1) Includes 8,000 tons used in miscellaneous industries in 1964; 8,000 tons in 1965; 9,000 tons in 1966; 9,000 tons in 1967; and 9,000 tons in 1968.

(2) Primarily iron foundries; but includes some steel foundries since introduction of revised standard industrial classification.

Manufacturing and Primary Industries Division

February 1971
6506-799



TABLE 1B.(1) Scrap Iron and Steel Used, 1968

Year	Manufacturers of steel ingots and steel castings(2)	Manufacturers of steel castings(3)	Iron foundries(4)	Miscellaneous uses(5)	Total
	tons of 2,000 pounds				
1968	5,089,000	70,000	1,203,000	64,000	6,426,000

(1) Alternate breakdown to Table 1A. (2) Includes Sinter Plant and Blast Furnaces, and Castings made by companies producing steel ingots. (3) Castings produced by companies other than those which produce ingots and castings. (4) Primarily Iron Foundries, but includes some Steel Foundries with the introduction of the revised standard industrial classification concept. (5) Includes ferro-alloy furnaces, artificial abrasives furnaces and miscellaneous furnaces.

TABLE 2. Scrap Iron and Steel Used 1964-1968

Year	Purchased	Own make	Total
	tons of 2,000 pounds		
1964	2,807,000	2,769,000.	5,576,000
1965	3,027,000	3,238,000	6,265,000
1966	2,966,000	3,213,000	6,179,000
1967	2,904,000	3,175,000	6,079,000
1968	2,974,000	3,452,000	6,426,000

TABLE 3. Scrap Iron and Steel Used in Steel Furnaces, 1964-1968

Year	Companies's own make	Purchased	Cost of plant of purchased scrap
	tons of 2,000 pounds		
1964	2,481,000	1,845,000	62,373,000
1965	2,969,000	1,963,000	68,906,000
1966	2,905,000	1,827,000	59,549,000
1967	2,877,000	1,790,000	56,416,000
1968	3,136,000	1,862,000	56,703,000

Note: Excludes some steel foundries now classified to other industries since implementation of revised standard industrial classification.

TABLE 4. Scrap Iron and Steel and Pig Iron Used in Steel Furnaces, 1964-1968

Year	Scrap	Pig iron	Per cent scrap
	tons of 2,000 pounds		
1964	4,326,000	5,678,000	43.2
1965	4,932,000	6,181,000	44.4
1966	4,732,000	6,289,000	42.9
1967	4,667,000	6,135,000	43.2
1968	4,998,000	7,467,000	40.1

See note at Table 3.

TABLE 5. Scrap Iron and Steel Used in Iron Foundries, 1964-1968

Year	Companies' own make	Purchased	Cost at plant of purchased scrap
	tons of 2,000 pounds		
1964	223,000	701,000	25,161,000
1965	253,000	795,000	31,950,000
1966	265,000	896,000	37,327,000
1967	276,000	828,000	31,228,000
1968	300,000	903,000	31,525,000

TABLE 6. Scrap Iron and Steel and Pig Iron Used in Iron Foundries, 1964-1968

Year	Scrap	Pig iron	Per cent scrap
	tons of 2,000 pounds		
1964	924,000	384,000	70.6
1965	1,048,000	410,000	71.6
1966	1,161,000	351,000	76.8
1967	1,104,000	347,000	76.1
1968	1,203,000	395,000	75.3

TABLE 7. Scrap Iron and Steel Used in Sinter Plant and Blast Furnaces, 1964-1968

Year	Companies' own make	Purchased	Cost at plant of purchased scrap
	tons of 2,000 pounds		
1964	65,000	63,000	513,000
1965	16,000	91,000	792,000
1966	42,000	131,000	1,338,000
1967	22,000	185,000	1,326,000
1968	16,000	142,000	1,138,000

TABLE 8. Scrap Iron and Steel Used in Rolling Mills, 1964-1968

Year	Purchased	Cost at plant of purchased scrap
	tons of 2,000 pounds	\$
1964	132,000	5,935,000
1965	112,000	5,673,000
1966	48,000	2,706,000
1967	44,000	2,297,000
1968	5,000	191,000



1010699095

- 4 -

TABLE 9. Scrap Iron and Steel Used in the Manufacture of Ferro-alloys, 1964-1968

Year	Quantity	Cost at plant
	tons of 2,000 pounds	\$
1964	45,000	961,000
1965	42,000	1,061,000
1966	40,000	873,000
1967	36,000	754,000
1968	37,000	697,000

TABLE 10. Scrap Iron Used in the Manufacture of Artificial Abrasives, 1964-1968

Year	Quantity	Cost at plant
	tons of 2,000 pounds	\$
1964	13,000	314,000
1965	15,000	387,000
1966	16,000	401,000
1967	13,000	297,000
1968	13,000	270,000

TABLE 11. Imports(1) of Scrap Iron and Steel, 1964-1968

Year	Quantity	Value
	tons of 2,000 pounds	\$
1964	858,000	27,438,000
1965	1,021,000	36,111,000
1966	718,000	20,951,000
1967	564,000	15,145,000
1968	641,000	14,050,000

(1) Includes cast scrap, wrought scrap and tin plate scrap (not available separately after 1964).

TABLE 12. Exports of Scrap Iron and Steel, 1964-1968

Year	Tin plate scrap		Scrap iron and steel		Total	
	tons of 2,000 pounds	value \$	tons of 2,000 pounds	value \$	tons of 2,000 pounds	value \$
1964	28,000	470,000	621,000	20,125,000	649,000	20,598,000
1965	22,000	459,000	240,000	7,806,000	262,000	8,265,000
1966	23,000	568,000	299,000	9,465,000	322,000	10,033,000
1967	24,000	633,000	436,000	14,513,000	460,000	15,146,000
1968	16,000	500,000	432,000	11,590,000	448,000	12,090,000