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SCRAP IRON AND STEEL, 1963

Consumption of scrap iron and steel in Canadian industry totalled about 4,811,000 net tons in 1963. Steel furnaces used 3,726,000 tons; iron foundries used 823,000 tons; sinter plant and iron blast furnaces uses 115,000 tons; steel rolling mills 92,000 tons; ferro-alloy furnaces, 36,000 tons; abrasives furnaces 12,000 tons; and other industries about 7,000 tons. About 51 per cent of the total, or 2,447,000 tons, was home scrap and about 49 per cent, or 2,364,000 tons, was purchased scrap.

Imports of scrap iron and steel amounted to 651,000 tons in 1963 and exports totalled 430,000 tons.

TABLE 1. Scrap Iron and Steel Used 1958-63

| Year                 | In sinter<br>plant and<br>iron blast<br>furnaces | In<br>steel<br>furnaces | In<br>ferro-<br>alloy<br>furnaces | In<br>rolling<br>mills | In<br>iron<br>found-<br>ries | In arti-<br>ficial<br>abrasives<br>furnaces | Total(1)  |
|----------------------|--|-------------------------|-----------------------------------|------------------------|------------------------------|---|-----------|
| tons of 2,000 pounds |  |                         |                                   |                        |                              |   |           |
| 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                 | 586,000                      | 14,000                                      | 3,726,000 |
| 1961 .....           | 117,000  | 3,026,000               | 28,000                            | 67,000                 | 627,000                      | 11,000                                      | 3,882,000 |
| 1962 .....           | 110,000  | 3,190,000               | 32,000                            | 66,000                 | 654,000                      | 15,000                                      | 4,073,000 |
| 1963 .....           | 115,000  | 3,726,000               | 36,000                            | 92,000                 | 823,000                      | 12,000                                      | 4,811,000 |

(1) Includes 7,656 tons used in miscellaneous industries in 1958; 7,000 tons in 1959, 7,000 tons in 1960; 6,000 tons in 1961 and 1962; and 7,000 tons in 1963.

Industry Division

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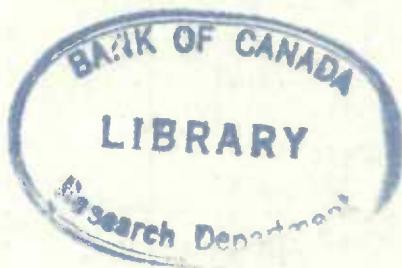


TABLE 2. Scrap Iron and Steel Used 1958-63

| Year       | Purchased            | Own make  | Total     |
|------------|----------------------|-----------|-----------|
|            | tons of 2,000 pounds |           |           |
| 1958 ..... | 1,723,246            | 1,221,782 | 2,945,315 |
| 1959 ..... | 2,154,000            | 1,689,000 | 3,843,000 |
| 1960 ..... | 2,017,000            | 1,709,000 | 3,726,000 |
| 1961 ..... | 1,994,000            | 1,888,000 | 3,882,000 |
| 1962 ..... | 2,008,000            | 2,065,000 | 4,073,000 |
| 1963 ..... | 2,364,000            | 2,447,000 | 4,811,000 |

TABLE 3. Scrap Iron and Steel Used in Steel Furnaces, 1958-63

| Year       | Companies'<br>own make | Purchased | Cost at plant of<br>purchased scrap |
|------------|------------------------|-----------|-------------------------------------|
|            | tons of 2,000 pounds   |           | \$                                  |
| 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                          |
| 1962 ..... | 1,879,000              | 1,311,000 | 46,226,000                          |
| 1963 ..... | 2,166,000              | 1,560,000 | 45,883,000                          |

TABLE 4. Scrap Iron and Steel and Pig Iron Used in Steel Furnaces, 1958-63

| Year       | Scrap                | Pig iron  | Per cent scrap |
|------------|----------------------|-----------|----------------|
|            | tons of 2,000 pounds |           | %              |
| 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           |
| 1962 ..... | 3,190,000            | 4,562,000 | 41.2           |
| 1963 ..... | 3,726,000            | 5,183,000 | 41.8           |

TABLE 5. Scrap Iron and Steel Used in Iron Foundries, 1958-63

| Year       | Companies'<br>own make | Purchased | Cost at plant of<br>purchased scrap |
|------------|------------------------|-----------|-------------------------------------|
|            | tons of 2,000 pounds   |           | \$                                  |
| 1958 ..... | 109,000                | 496,000   | 18,635,000                          |
| 1959 ..... | 129,000                | 532,000   | 21,163,000                          |
| 1960 ..... | 103,000                | 483,000   | 18,474,000                          |
| 1961 ..... | 116,000                | 511,000   | 19,227,000                          |
| 1962 ..... | 143,000                | 512,000   | 18,634,000                          |
| 1963 ..... | 220,000                | 608,000   | 21,651,000                          |

TABLE 6. Scrap Iron and Steel and Pig Iron Used in Iron Foundries, 1958-63

| Year       | Scrap                | Pig iron | Per cent scrap |
|------------|----------------------|----------|----------------|
|            | tons of 2,000 pounds |          | %              |
| 1958 ..... | 605,000              | 252,000  | 70.6           |
| 1959 ..... | 661,000              | 300,000  | 68.8           |
| 1960 ..... | 586,000              | 261,000  | 69.2           |
| 1961 ..... | 627,000              | 249,000  | 71.8           |
| 1962 ..... | 654,000              | 279,000  | 70.3           |
| 1963 ..... | 828,000              | 321,000  | 72.0           |

TABLE 7. Scrap Iron and Steel Used in Sinter Plant and Blast Furnaces, 1958-63

| Year       | Companies'<br>own make | Purchased | Cost at plant of<br>purchased scrap |
|------------|------------------------|-----------|-------------------------------------|
|            | tons of 2,000 pounds   |           | \$                                  |
| 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                             |
| 1962 ..... | 30,000                 | 80,000    | 736,000                             |
| 1963 ..... | 66,000                 | 49,000    | 421,000                             |

(1) Not available.

TABLE 8. Scrap Iron and Steel Used in Rolling Mills, 1958-63

| Year       | Purchased            | Cost at plant of<br>purchased scrap |
|------------|----------------------|-------------------------------------|
|            | tons of 2,000 pounds | \$                                  |
| 1958 ..... | 64,913               | 3,226,756                           |
| 1959 ..... | 80,000               | 4,170,000                           |
| 1960 ..... | 71,000               | 3,514,000                           |
| 1961 ..... | 67,000               | 3,360,000                           |
| 1962 ..... | 66,000               | 3,467,000                           |
| 1963 ..... | 92,000               | 4,604,000                           |

TABLE 9. Scrap Iron and Steel Used in the Manufacture of Ferro-alloys, 1958-63

| Year       | Quantity             | Cost at plant |
|------------|----------------------|---------------|
|            | tons of 2,000 pounds |               |
| 1958 ..... | 18,152               | 413,286       |
| 1959 ..... | 28,000               | 679,000       |
| 1960 ..... | 36,000               | 734,000       |
| 1961 ..... | 28,000               | 498,000       |
| 1962 ..... | 32,000               | 560,000       |
| 1963 ..... | 36,000               | 644,000       |



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TABLE 10. Scrap Iron Used in the Manufacture of Artificial Abrasives, 1958-63

| Year           | Quantity<br>tons of 2,000 pounds | Cost at plant |
|----------------|----------------------------------|---------------|
|                |                                  | \$            |
| 1958 . . . . . | 11,000                           | 322,766       |
| 1959 . . . . . | 13,000                           | 371,000       |
| 1960 . . . . . | 14,000                           | 383,000       |
| 1961 . . . . . | 11,000                           | 294,000       |
| 1962 . . . . . | 15,000                           | 383,000       |
| 1963 . . . . . | 12,000                           | 284,000       |

TABLE 11. Imports of Scrap Iron and Steel, 1958-63

| Year           | Cast scrap                 |           | Wrought scrap              |            |
|----------------|----------------------------|-----------|----------------------------|------------|
|                | tons of<br>2,000<br>pounds | \$        | tons of<br>2,000<br>pounds | \$         |
| 1958 . . . . . | 59,708                     | 1,792,752 | 229,697                    | 6,941,168  |
| 1959 . . . . . | 85,161                     | 2,628,116 | 576,574                    | 21,163,510 |
| 1960 . . . . . | 107,776                    | 2,862,434 | 480,273                    | 15,717,343 |
| 1961 . . . . . | 96,143                     | 2,706,387 | 260,614                    | 9,024,065  |
| 1962 . . . . . | 104,949                    | 2,746,800 | 344,283                    | 9,872,661  |
| 1963 . . . . . | 110,609                    | 2,597,886 | 540,614                    | 15,842,812 |

|                | Tin plate scrap            |        | Total                      |            |
|----------------|----------------------------|--------|----------------------------|------------|
|                | tons of<br>2,000<br>pounds | \$     | tons of<br>2,000<br>pounds | \$         |
| 1958 . . . . . | 316                        | 15,321 | 289,721                    | 9,023,641  |
| 1959 . . . . . | 376                        | 11,347 | 662,111                    | 23,802,973 |
| 1960 . . . . . | 514                        | 17,800 | 588,563                    | 18,597,577 |
| 1961 . . . . . | 388                        | 12,400 | 357,145                    | 11,742,852 |
| 1962 . . . . . | -                          | -      | 449,232                    | 12,619,461 |
| 1963 . . . . . | -                          | -      | 651,223                    | 18,440,698 |

TABLE 12. Exports of Scrap Iron and Steel, 1958-63

| Year           | Quantity<br>tons of 2,000 pounds | Value      |
|----------------|----------------------------------|------------|
|                |                                  | \$         |
| 1958 . . . . . | 387,147                          | 12,393,580 |
| 1959 . . . . . | 382,897                          | 12,781,159 |
| 1960 . . . . . | 421,448                          | 13,675,451 |
| 1961 . . . . . | 804,770                          | 26,563,679 |
| 1962 . . . . . | 390,951                          | 12,132,596 |
| 1963 . . . . . | 429,989                          | 13,038,761 |