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ANNUAL INDUSTRY REPORT

IRON AND STEEL AND THEIR PRODUCTS GROUP

THE IRON CASTINGS INDUSTRY, 1942.

In the annual census of production in Canada the iron and steel group is subdivided into 17 industries, one being the Iron Castings Industry which is reviewed in this bulletin. This industry covers the operations of iron and steel works which were occupied chiefly in making commercial iron castings or iron and steel pipe and tubing. Some machinery, boilers, engines, stoves and furnaces, etc., were made as secondary or minor products.

Some iron foundries have not been included in the Iron Castings Industry but have been classified to other special groups. For example, some makers of agricultural implements operated iron foundries to make castings for their own use and these concerns have, of course, been included in the Farm Implements Industry which is reviewed in a separate bulletin. Similarly, some stove manufacturers operated iron foundries but they have been classified to the Cooking and Heating Apparatus Industry which is covered in a separate report.

In 1942 there were 201 establishments in the Iron Castings Industry distributed, by provinces, as follows - Ontario, 91; Quebec, 52; British Columbia, 20; Nova Scotia, 8; Alberta, 10; New Brunswick, 6; Saskatchewan, 7; Manitoba, 5; Prince Edward Island, 2. Production from these works was valued at \$81,341,609 at factory prices and they employed an average of 16,867 persons, paid out \$28,671,888 for salaries and wages, \$2,289,356 for fuel and electricity, and \$30,330,276 for manufacturing materials.

Tables 1 to 9 inclusive of this report are for the Iron Castings Industry only. Tables 10 and 11 give the total output in Canada, from all industries, of iron and steel pipe and tubing and miscellaneous iron castings.

Iron Castings

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Table 1--PRINCIPAL STATISTICS OF THE IRON CASTINGS INDUSTRY, BY PROVINCES, 1941-1942.

| Province | Number of plants | Capital employed | Average number of employees | Salaries and wages | Cost of fuel and electricity at works | Cost of materials at works | Gross selling value of products at works |
|----------------------------|------------------|------------------|-----------------------------|--------------------|---------------------------------------|----------------------------|--|
| | | \$ | | \$ | \$ | \$ | \$ |
| <u>1941</u> | | | | | | | |
| Prince Edward Island | 3 | 327,367 | 47 | 40,649 | 3,646 | 29,984 | 102,145 |
| Nova Scotia .. | 9 | 1,498,934 | 725 | 1,007,732 | 107,818 | 612,317 | 1,968,369 |
| New Brunswick | 7 | 845,446 | 369 | 597,545 | 27,955 | 137,708 | 1,409,944 |
| Quebec | 50 | 18,019,385 | 3,326 | 4,842,127 | 353,528 | 6,766,925 | 15,966,696 |
| Ontario ... | 90 | 33,215,878 | 9,815 | 15,477,191 | 1,648,926 | 22,826,093 | 52,762,175 |
| Manitoba ... | 5 | 2,380,694 | 574 | 1,013,643 | 50,677 | 649,722 | 2,184,915 |
| Saskatchewan. | 7 | 506,391 | 109 | 144,763 | 8,940 | 52,275 | 410,978 |
| Alberta | 12 | 1,142,901 | 369 | 527,954 | 29,001 | 280,963 | 1,258,637 |
| British Columbia | 20 | 1,539,796 | 536 | 759,549 | 45,020 | 451,966 | 1,574,793 |
| CANADA .. | 203 | 59,576,792 | 15,870 | 24,411,153 | 2,275,511 | 31,807,953 | 77,638,652 |

1942

| | | | | | | | |
|----------------------------|-----|------------|--------|------------|-----------|------------|------------|
| Prince Edward Island | 2) | 1,994,461 | 825 | 1,274,370 | 76,975 | 563,908 | 2,667,183 |
| Nova Scotia .. | 8) | | | | | | |
| New Brunswick | 6 | 687,822 | 206 | 281,959 | 24,968 | 78,085 | 571,025 |
| Quebec | 52 | 18,796,659 | 3,802 | 6,075,689 | 382,057 | 7,058,352 | 17,507,400 |
| Ontario | 91 | 30,976,354 | 10,132 | 17,878,410 | 1,645,151 | 21,188,288 | 53,330,825 |
| Manitoba ... | 5 | 3,542,461 | 689 | 1,239,305 | 60,807 | 504,546 | 2,356,966 |
| Saskatchewan. | 7 | 441,728 | 129 | 184,516 | 11,152 | 51,855 | 339,172 |
| Alberta ... | 10 | 1,494,651 | 493 | 708,521 | 41,849 | 298,656 | 1,817,564 |
| British Columbia | 20 | 1,408,697 | 591 | 1,029,118 | 46,397 | 586,586 | 2,751,474 |
| CANADA .. | 201 | 59,342,833 | 16,867 | 28,671,888 | 2,289,356 | 30,330,276 | 81,341,609 |

NOTE: Profits or losses cannot be calculated from the above figures as data are not available for general expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

Table 2--CAPITAL EMPLOYED, BY PROVINCES, 1941 and 1942 (On the last day of the year)

| Province | Present value of land, buildings, machinery, tools and other equipment | Value of inventories Raw materials, fuel and other supplies on hand and stocks in process | Finished products on hand | Cash, bills and accounts receivable, etc. | TOTAL CAPITAL EMPLOYED |
|----------------------------|--|--|---------------------------|---|------------------------|
| | \$ | \$ | \$ | \$ | \$ |
| <u>1941</u> | | | | | |
| Prince Edward Island | 213,862 | 85,615 | 150 | 27,740 | 327,367 |
| Nova Scotia ... | 708,396 | 214,786 | 87,214 | 488,538 | 1,498,934 |
| New Brunswick .. | 392,012 | 103,988 | 2,369 | 347,077 | 845,446 |
| Quebec | 7,972,302 | 3,306,622 | 731,544 | 6,008,917 | 18,019,385 |
| Ontario | 14,590,771 | 5,306,906 | 2,263,271 | 11,054,930 | 33,215,878 |
| Manitoba | 1,087,950 | 227,521 | 365,748 | 699,475 | 2,380,694 |
| Saskatchewan .. | 315,589 | 116,357 | 16,014 | 58,431 | 506,391 |
| Alberta | 575,961 | 110,252 | 45,291 | 411,397 | 1,142,901 |
| British Columbia | 722,401 | 518,798 | 131,735 | 266,862 | 1,639,796 |
| CANADA | 26,579,244 | 9,990,845 | 3,643,336 | 19,363,367 | 59,576,792 |

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Table 2--CAPITAL EMPLOYED, BY PROVINCES, 1941 and 1942 (Concluded).

| Province | Present value of land, build- ings, machin- ery, tools and other equipment | Value of inventories | | Cash, bills and accounts receivable, etc. | TOTAL CAPITAL EMPLOYED |
|-------------------------------|---|--|---------------------------------|--|------------------------------|
| | | Raw materials, fuel and other supplies on hand and stocks in process | Finished products on hand | | |
| | \$ | \$ | \$ | \$ | \$ |
| <u>1942</u> | | | | | |
| Prince Edward Island | 1,152,756 | 325,006 | 75,473 | 441,226 | 1,994,461 |
| Nova Scotia .. | 480,480 | 25,872 | 898 | 180,572 | 687,822 |
| Quebec | 8,364,645 | 2,891,648 | 1,572,277 | 5,968,089 | 18,796,659 |
| Ontario | 13,732,294 | 5,240,379 | 2,959,831 | 9,043,850 | 30,976,354 |
| Manitoba | 2,074,051 | 622,782 | 110,917 | 734,711 | 3,542,461 |
| Saskatchewan .. | 310,262 | 19,201 | 62,603 | 49,662 | 441,728 |
| Alberta | 897,634 | 167,150 | 33,652 | 396,215 | 1,494,651 |
| British Columbia | 518,682 | 170,004 | 32,297 | 687,714 | 1,408,697 |
| CANADA | 27,530,804 | 9,462,042 | 4,847,948 | 17,502,039 | 59,342,833 |

Table 3--EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1941 and 1942.

| Province | Average Number of Employees | | | | | Salaries | Wages | TOTAL |
|----------------------------|-----------------------------|--------|----------|--------|--------|-----------|------------|------------|
| | On Salaries | | On Wages | | TOTAL | | | SALARIES |
| | Male | Female | Male | Female | | | | and WAGES |
| <u>1941</u> | | | | | | \$ | \$ | \$ |
| Prince Edward Island | 5 | 3 | 39 | ... | 47 | 13,000 | 27,649 | 40,649 |
| Nova Scotia ... | 30 | 15 | 671 | 9 | 725 | 87,416 | 920,316 | 1,007,732 |
| New Brunswick .. | 21 | 11 | 337 | ... | 369 | 65,470 | 532,075 | 597,545 |
| Quebec | 391 | 141 | 2,728 | 66 | 3,326 | 935,849 | 3,906,278 | 4,842,127 |
| Ontario | 515 | 228 | 8,946 | 126 | 9,815 | 1,606,574 | 13,870,617 | 15,477,191 |
| Manitoba | 60 | 26 | 488 | ... | 574 | 143,796 | 869,847 | 1,013,643 |
| Saskatchewan .. | 44 | 4 | 60 | 1 | 109 | 78,188 | 66,575 | 144,763 |
| Alberta | 65 | 11 | 292 | 1 | 369 | 144,108 | 383,846 | 527,954 |
| British Columbia | 48 | 9 | 474 | 5 | 536 | 106,370 | 653,179 | 759,549 |
| CANADA | 1,179 | 448 | 14,035 | 208 | 15,870 | 3,180,771 | 21,230,382 | 24,411,153 |

1942

| | | | | | | | | |
|-------------------------------|-------|-----|--------|-----|--------|-----------|------------|------------|
| Prince Edward Island | 33 | 17 | 766 | 9 | 825 | 102,907 | 1,171,463 | 1,274,370 |
| Nova Scotia ..) | 14 | 4 | 186 | 2 | 206 | 44,138 | 237,821 | 281,959 |
| Quebec | 376 | 166 | 3,012 | 248 | 3,802 | 1,059,744 | 5,015,945 | 6,075,689 |
| Ontario | 588 | 310 | 9,002 | 232 | 10,132 | 1,928,483 | 15,949,927 | 17,878,410 |
| Manitoba | 71 | 45 | 573 | ... | 689 | 170,494 | 1,068,811 | 1,239,305 |
| Saskatchewan ... | 33 | 6 | 88 | 2 | 129 | 65,617 | 118,899 | 184,516 |
| Alberta | 63 | 21 | 407 | 2 | 493 | 133,999 | 574,522 | 708,521 |
| British Columbia | 51 | 11 | 525 | 4 | 591 | 141,666 | 887,452 | 1,029,118 |
| CANADA | 1,229 | 580 | 14,559 | 499 | 16,867 | 3,647,048 | 25,024,840 | 28,671,888 |

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Table 4--WAGE-EARNERS, BY MONTHS, 1941 and 1942 (On the last work-day of each month)

| Month | 1 9 4 1 | | | 1 9 4 2 | | |
|--------------|---------|--------|--------|---------|--------|--------|
| | Male | Female | TOTAL | Male | Female | TOTAL |
| | No. | No. | No. | No. | No. | No. |
| January | 12,575 | 187 | 12,762 | 14,467 | 277 | 14,744 |
| February ... | 12,951 | 193 | 13,144 | 14,927 | 328 | 15,255 |
| March | 13,270 | 195 | 13,465 | 15,046 | 367 | 15,413 |
| April | 13,518 | 206 | 13,724 | 14,841 | 392 | 15,233 |
| May | 14,001 | 205 | 14,206 | 14,615 | 442 | 15,057 |
| June | 13,985 | 205 | 14,190 | 14,579 | 493 | 15,072 |
| July | 14,066 | 204 | 14,270 | 14,382 | 520 | 14,902 |
| August | 14,207 | 206 | 14,413 | 14,091 | 542 | 14,633 |
| September .. | 14,543 | 215 | 14,758 | 14,211 | 616 | 14,827 |
| October ... | 14,867 | 221 | 15,088 | 14,325 | 640 | 14,965 |
| November ... | 15,123 | 223 | 15,346 | 14,589 | 663 | 15,252 |
| December ... | 15,327 | 212 | 15,539 | 14,529 | 690 | 15,219 |
| AVERAGE .. | 14,035 | 208 | 14,243 | 14,559 | 499 | 15,058 |

Table 5--HOURS WORKED PER WEEK BY WAGE-EARNERS, 1941 and 1942 (In one week in month of highest employment; overtime included)

| Hours worked per week | Number of wage-earners | | | | Hours worked per week | Number of wage-earners | | | |
|--------------------------|------------------------|--------|---------|--------|-----------------------------------|------------------------|--------|---------|--------|
| | 1 9 4 1 | | 1 9 4 2 | | | 1 9 4 1 | | 1 9 4 2 | |
| | Male | Female | Male | Female | | Male | Female | Male | Female |
| 30 hours or less | 346 | 9 | 299 | 19 | 55 hours | 638 | 37 | 1,082 | 64 |
| 31-43 hours .. | 712 | 25 | 857 | 50 | 56-64 hours .. | 4,382 | 49 | 4,482 | 50 |
| 44 hours | 726 | 10 | 640 | 15 | 65 hours and over | 1,839 | 1 | 1,442 | 60 |
| 45-47 hours .. | 1,449 | 13 | 1,171 | 36 | TOTAL | 16,057 | 230 | 16,131 | 617 |
| 48 hours | 1,345 | 16 | 1,250 | 257 | Total wages paid in selected week | \$477,279 | 3,266 | 563,900 | 11,974 |
| 49-50 hours .. | 1,731 | 10 | 2,249 | 29 | | | | | |
| 51-54 hours .. | 2,889 | 60 | 2,659 | 37 | | | | | |

Table 6--FUEL AND ELECTRICITY USED, 1941 and 1942.

| Kind | Unit of Measure | 1 9 4 1 | | 1 9 4 2 | |
|--|--------------------|------------|------------------|------------|------------------|
| | | Quantity | Cost at works | Quantity | Cost at works |
| | | | \$ | | \$ |
| Bituminous coal - Canadian | ton | 14,601 | 97,298 | 13,748 | 98,528 |
| Imported | ton | 114,312 | 817,804 | 99,130 | 748,542 |
| Anthracite coal | ton | 1,500 | 15,902 | 2,005 | 22,575 |
| Lignite coal | ton | 2,026 | 8,316 | 2,140 | 9,049 |
| Coke (not including cupola coke) | ton | 10,149 | 128,969 | 8,275 | 99,783 |
| Gasoline | Imp.gal. | 286,879 | 82,047 | 254,893 | 79,668 |
| Kerosene | Imp.gal. | 23,379 | 4,675 | 29,702 | 5,622 |
| Fuel oil | Imp.gal. | 6,673,934 | 464,249 | 6,759,780 | 509,168 |
| Wood | cord | 3,933 | 20,055 | 4,908 | 23,974 |
| Gas - Natural | M cu.ft. | 108,861 | 48,618 | 147,576 | 65,476 |
| Manufactured | M cu.ft. | 7,746 | 5,624 | 17,234 | 9,925 |
| Other fuel | ... | ... | 2,878 | ... | 2,926 |
| Electricity purchased ... | K.W.H. | 63,800,109 | 579,076 | 69,365,210 | 614,120 |
| TOTAL | ... | ... | 2,275,511 | ... | 2,289,356 |
| Electricity generated for own use | K.W.H. | 471,620 | ... | 1,113,436 | ... |

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Table 7--POWER EQUIPMENT, 1941 and 1942.

| | Ordinarily in Use | | In Reserve or Idle | |
|---|-------------------|-------------------------|--------------------|-------------------------|
| | Number of units | Total rated horse power | Number of units | Total rated horse power |
| <u>1 9 4 1</u> | | | | |
| Steam engines and steam turbines | 20 | 1,132 | 7 | 1,075 |
| Diesel engines | 4 | 207 | ... | ... |
| Gasoline, gas and oil engines | 57 | 1,240 | 5 | 65 |
| Total Primary Equipment | 81 | 2,579 | 12 | 1,140 |
| Electric motors run by purchased power | 4,633 | 47,701 | 123 | 1,785 |
| TOTAL | 4,714 | 50,280 | 135 | 2,925 |
| Electric motors run by power generated in the establishment | 43 | 561 | ... | ... |
| Stationary boilers | 66 | 6,482 | 18 | 1,482 |
| <u>1 9 4 2</u> | | | | |
| Steam engines and steam turbines | 30 | 882 | 7 | 865 |
| Diesel engines | 4 | 321 | ... | ... |
| Gasoline, gas and oil engines | 24 | 704 | 6 | 285 |
| Total Primary Equipment | 58 | 1,907 | 13 | 1,150 |
| Electric motors run by purchased power | 5,325 | 49,719 | 269 | 3,785 |
| TOTAL | 5,383 | 51,626 | 282 | 4,935 |
| Electric motors run by power generated in the establishment | 128 | 1,269 | ... | ... |
| Stationary boilers | 71 | 7,039 | 9 | 1,254 |

Table 8--MATERIALS USED, 1941 and 1942.

| Material | Unit of measure | 1 9 4 1 | | 1 9 4 2 | |
|---|--------------------|----------|------------------|----------|------------------|
| | | Quantity | Cost at works | Quantity | Cost at works |
| | | | \$ | | \$ |
| <u>Iron -</u> | | | | | |
| Pig iron, all grades | ton | 157,884 | 3,317,068 | 176,199 | 4,351,110 |
| Wrought iron skelp | ton | 4,493 | 340,212 | 3,088 | 275,211 |
| Iron castings of all kinds .. | ton | 6,931 | 779,401 | 6,922 | 554,565 |
| <u>Steel, hot or cold rolled -</u> | | | | | |
| Steel castings | ton | 3,046 | 452,692 | 1,766 | 293,556 |
| Billets | ton | 41,502 | 2,189,323 | 23,159 | 1,362,097 |
| Bars | ton | 13,751 | 791,406 | 13,067 | 805,246 |
| Forgings | ton | 172 | 21,315 | 75 | 17,427 |
| Plates | ton | 3,295 | 256,896 | 2,867 | 245,214 |
| Shafting | ton | 752 | 76,692 | 279 | 39,674 |
| Sheets - Galvanized | ton | 264 | 29,190 | 136 | 13,367 |
| Plain (black) | ton | 2,299 | 177,211 | 1,330 | 113,902 |
| Polished | ton | 1 | 150 | 1 | 160 |
| Skelp | ton | 172,209 | 9,175,985 | 209,382 | 8,606,707 |
| Strip | ton | 4,626 | 435,097 | 6,822 | 584,669 |
| Stampings | ton | 34 | 7,700 | ... | 169 |
| Structural shapes (channels, angles, etc.) | ton | 2,760 | 243,481 | 1,090 | 92,743 |
| Wire | ton | 3,031 | 164,204 | 3,222 | 203,036 |
| Alloy steel | ... | ... | 105,583 | ... | 280,537 |
| Scrap iron and steel of all kinds | ton | 194,107 | 3,566,084 | 191,915 | 3,461,333 |

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Table 8--MATERIALS USED, 1941 and 1942 (Concluded)

| Material | Unit of measure | 1 9 4 1 | | 1 9 4 2 | |
|--|-----------------|------------|---------------|------------|---------------|
| | | Quantity | Cost at works | Quantity | Cost at works |
| | | | \$ | | \$ |
| Other iron and steel (except finished parts) | ton | ... | 21,971 | ... | 120,351 |
| Ferro-alloys | ... | ... | 217,447 | ... | 218,129 |
| <u>Non-ferrous metals (including scrap) -</u> | | | | | |
| Aluminium | pound | 720,138 | 123,743 | 467,530 | 93,015 |
| Brass and bronze | pound | 3,033,298 | 468,765 | 4,241,040 | 683,423 |
| Copper | pound | 1,679,487 | 219,659 | 1,199,632 | 153,832 |
| Lead | pound | 159,558 | 9,657 | 117,782 | 6,756 |
| Nickel | pound | 76,450 | 29,342 | 145,668 | 43,292 |
| Tin | pound | 88,434 | 51,818 | 18,242 | 11,596 |
| Zinc | pound | 10,408,083 | 538,371 | 8,225,863 | 421,882 |
| Babbitt metals and solders .. | pound | 92,413 | 37,893 | 74,503 | 20,397 |
| Other non-ferrous metals | ... | ... | 19,125 | ... | 24,594 |
| <u>Articles used for further manufacture -</u> | | | | | |
| Parts for stoves, machines, etc. ... | ... | ... | 129,991 | ... | 132,292 |
| Iron and steel pipe, tubings and fittings | ... | ... | 405,022 | ... | 279,442 |
| Bolts, nuts, rivets and screws .. | ... | ... | 163,041 | ... | 191,807 |
| Electrical goods, including motors | ... | ... | 449,051 | ... | 497,595 |
| Frit for enamelling | ... | ... | 193,045 | ... | 192,207 |
| Feldspar | ton | 337 | 7,908 | 279 | 5,863 |
| Paints, oils and varnishes .. | ... | ... | 68,168 | ... | 68,035 |
| <u>Other materials and supplies -</u> | | | | | |
| Foundry coke (used in cupola; not for heat or power) | ton | 62,094 | 962,152 | 67,658 | 1,056,529 |
| Moulding sands | ton | 43,098 | 241,372 | 59,579 | 299,634 |
| Core sands | ton | 72,199 | 169,086 | 90,013 | 207,005 |
| Silica sand for sand-blasting .. | ton | 4,344 | 32,137 | 3,796 | 33,752 |
| Other foundry sands | ton | ... | 24,094 | 3,902 | 23,716 |
| Starch | pound | 1,769 | 85 | 1,949 | 77 |
| Plumbago | pound | 387,424 | 32,379 | 411,759 | 29,067 |
| Other foundry facings | ... | ... | 65,764 | ... | 86,503 |
| Patterns and models | ... | ... | 37,134 | ... | 37,461 |
| Lumber | M ft. b. m. | 6,123 | 257,603 | 6,261 | 241,489 |
| Firebrick | No. | 2,129,380 | 220,247 | 2,030,741 | 208,441 |
| Fireclay | ton | 6,588 | 53,219 | 6,151 | 65,074 |
| Cupola blocks | No. | ... | 43,272 | ... | 52,002 |
| Core oil | Imp. gal. | 169,428 | 104,710 | 199,592 | 131,190 |
| Core compound | pound | ... | 70,583 | ... | 96,672 |
| Sulphuric acid, 66° Bé | pound | 3,221,757 | 33,280 | 1,952,944 | 21,332 |
| Oxygen and acetylene gas | M cu. ft. | 11,629,908 | 119,606 | 10,558,579 | 124,136 |
| Shipping containers | ... | ... | 185,908 | ... | 200,306 |
| All other materials and supplies ... | ... | ... | 3,371,615 | ... | 2,950,659 |
| TOTAL | ... | ... | 31,807,953 | ... | 30,330,276 |

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Table 9—PRODUCTS MADE BY FIRMS INCLUDED IN THE IRON CASTINGS INDUSTRY, 1941 and 1942.

NOTE: Data given in this table cover only the output of firms which were engaged chiefly in making commercial iron castings, iron and steel pipe and fittings, and which have been classified to the Iron Castings Industry. Figures for the individual items do not represent the total output for Canada as in each case there was also a production in other industrial groups. Supplementary tables have been added to show total production in Canada of iron castings and of iron and steel pipe and tubing.

| Product | 1941 | | 1942 | | |
|---|--------------|------------------------|--------------|---------------|------------------------|
| | Tonnage made | Selling value at works | Tonnage made | Factory Sales | Selling value at works |
| | | \$ | | | \$ |
| Commercial castings - | | | | | |
| Aluminium | 288 | 216,414 | 228 | 228 | 294,361 |
| Grey iron | 152,745 | 14,406,764 | 168,563 | 164,697 | 17,219,348 |
| Malleable iron | 43,902 | 6,868,676 | 49,299 | 46,094 | 7,769,940 |
| Brass | 443 | 243,358 | 568 | 566 | 324,358 |
| Bronze | 439 | 235,984 | 374 | 383 | 210,403 |
| Pipe, tubing and fittings, iron and steel | ... | 28,350,120 | 118 | 112 | 26,226,112 |
| Pipe fittings (except iron and steel), and other plumbers' goods (other than valves) | ... | 1,166,252 | ... | ... | 851,756 |
| Sanitaryware, enamelled, cast iron | ... | 3,256,881 | ... | ... | 3,067,294 |
| Heating and cooking apparatus, (stoves, furnaces, etc.) | ... | 992,974 | ... | ... | 1,095,205 |
| Machinery and parts | ... | 4,447,662 | ... | ... | 4,511,009 |
| Valves (iron, steel, brass and bronze) including radiator valves and traps | ... | 1,020,660 | ... | ... | 1,181,136 |
| All other products | ... | 12,163,288 | ... | ... | 14,251,301 |
| Receipts from custom work and repairs | ... | 4,269,619 | ... | ... | 4,339,386 |
| TOTAL | ... | 77,638,652 | ... | ... | 81,341,609 |

Table 10—TOTAL PRODUCTION OF COMMERCIAL IRON CASTINGS (SOLD AS SUCH) IN CANADA, 1940 - 1942 (From All Industries)

| Kind | 1940 | | 1941 | | 1942 (x) | |
|-------------------------------|---------|------------------------|---------|------------------------|-----------|------------------------|
| | Tons | Selling value at works | Tons | Selling value at works | Tons sold | Selling value at works |
| | | \$ | | \$ | | \$ |
| Grey iron castings ... | 162,908 | 14,097,919 | 214,976 | 20,724,132 | 234,938 | 24,699,229 |
| Malleable iron castings | 28,614 | 4,138,212 | 50,124 | 7,757,621 | 54,415 | 8,963,272 |
| TOTAL | 191,522 | 18,236,131 | 265,100 | 28,481,753 | 289,353 | 33,662,501 |

(x) Factory production for 1942 amounted to 238,746 tons of grey iron castings and 57,620 tons of malleable iron castings.



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Table 11—TOTAL PRODUCTION OF IRON AND STEEL PIPE AND TUBING IN CANADA, 1942.

| | Tonnage made | Factory Sales | |
|---|-----------------|-----------------|------------------------------------|
| | | Tonnage sold | Selling Value at works \$ |
| Cast iron soil pipe and fittings | 20,722 | 20,943 | 1,661,647 |
| Cast iron water pipe and fittings | 49,958 | 48,976 | 3,163,065 |
| Cast iron pipe fittings, all kinds, inclu- ding flanges and flange fittings (except those used for water mains) | 9,066 | 8,737 | 1,407,262 |
| Malleable iron pipe fittings of all kinds, including railway fittings | 6,893 | 7,041 | 2,583,649 |
| Genuine wrought iron pipe, butt weld and lap weld, all sizes and fittings | 4,515 | 1,434 | 200,642 |
| Steel pipe, butt weld and lap weld, all sizes | 134,816 | 129,191 | 13,352,335 |
| Steel pipe, welded and rivetted and penstocks | 53 | 53 | 12,041 |
| Steel culvert pipe, formed from galvanized sheets | ... | ... | 539,757 |
| Steel pipe fittings of all kinds | 3,780 | 2,864 | 851,784 |
| Steel tubing, including seamless tubing, boiler tubes, light cold formed tubing, etc. | 24,557 | 24,559 | 4,766,082 |
| TOTAL | ... | ... | 28,538,264 |