

extended to include final refining operations of sufficient capacity to handle the major part of Canadian production. In this field, while no aluminum ores are mined in Canada, with the availability of low-cost hydro-electric power, metallurgical plants for the production, from imported ores, of refined aluminum on a large scale had been established. At the beginning of the War, producers of all these base metals entered into voluntary agreements with the Government of the United Kingdom to sell the surplus above Canadian requirements at practically no advance on the low prices prevailing before the War, thus assuring to Great Britain a supply of these essential materials without the risk of advancing prices.

In the case of fuels, non-metallics other than fuels, and structural materials, productive capacity in Canada before the War for many essential minerals was more than sufficient to provide for the then-existing industrial and civil requirements. Thus the expanding demands of war industries and the construction operations necessitated by various features of the war program were readily met.

Canada's mineral production in 1945 was valued at \$479,587,911; this figure was 1 p.c. lower than the 1944 total of \$485,819,114. The reduction was principally in the metals group. The total value of all metals produced was \$299,000,004, a decrease of 3 p.c. from the production in the previous year; fuels, including coal, natural gas, crude petroleum and peat, amounted to \$95,493,358, a decrease of 2 p.c.; other non-metallics showed a slight increase, the figure being \$38,288,207 in 1945 as against \$37,251,009 in 1944, and the production of other structural materials, including clay products, cement, lime, stone, sand and gravel, at \$46,806,342 was 9 p.c. higher than the preceding year when it amounted to \$42,984,937.

2.—Mineral Production of Canada, 1942-44

| Mineral | 1942 | | 1943 | | 1944 | |
|--|-------------|--------------------|-------------|--------------------|-------------|--------------------------|
| | Quantity | Value | Quantity | Value | Quantity | Value |
| Metallics | | \$ | | \$ | | \$ |
| Antimony..... lb. | 3,041,108 | 516,988 | 1,114,166 | 189,408 | 1,937,933 | 281,000 |
| Arsenic (As ₂ O ₃)..... " | 14,967,874 | 652,041 | 3,153,538 | 254,009 | 2,627,022 | 180,866 |
| Bismuth..... " | 347,556 | 479,627 | 407,597 | 562,484 | 123,875 | 154,844 |
| Cadmium..... " | 1,148,963 | 1,355,776 | 786,611 | 904,602 | 526,700 | 579,667 |
| Chromite..... ton | 11,456 | 343,568 | 29,595 | 919,878 | 27,054 | 748,494 |
| Cobalt..... lb. | 83,871 | 88,444 | 175,961 | 191,407 | 36,283 | 34,106 |
| Copper..... " | 603,661,826 | 60,417,372 | 575,190,132 | 67,170,601 | 547,070,118 | 65,257,172 |
| Gold..... fine oz. | 4,841,306 | 186,390,281 | 3,651,301 | 140,575,088 | 2,922,911 | 112,532,073 ¹ |
| Indium..... oz. | 471 | 4,710 | Nil | - | Nil | - |
| Iron ore..... ton | 545,306 | 1,517,077 | 641,294 | 2,032,240 | 553,252 | 1,909,608 |
| Lead..... lb. | 512,142,562 | 17,218,233 | 444,060,769 | 16,670,041 | 304,582,198 | 13,706,199 |
| Magnesium..... " | 808,718 | 355,836 | 7,153,974 | 2,074,652 | 10,579,778 | 2,576,695 |
| Manganese ore..... ton | 435 | 8,932 | 48 | 985 | Nil | - |
| Mercury..... lb. | 1,035,914 | 2,943,807 | 1,690,240 | 4,559,200 | 735,908 | 1,210,375 |
| Molybdenite concentrates..... " | 227,586 | 134,963 | 784,716 | 549,515 | 2,127,508 | 1,079,698 |
| Nickel..... " | 285,211,803 | 69,998,427 | 288,018,615 | 71,675,322 | 274,598,629 | 69,204,152 |
| Palladium, rhodium, iridium, etc..... fine oz. | 222,573 | 8,270,221 | 126,004 | 5,233,068 | 42,929 | 1,960,085 |
| Platinum..... " | 285,228 | 10,898,561 | 219,713 | 8,458,951 | 157,523 | 6,064,635 |
| Pitchblende products..... " | | | | | | |
| Selenium..... lb. | 495,369 | 951,108 | 374,013 | 654,523 | 298,592 | 537,466 |
| Silver..... fine oz. | 20,695,101 | 8,726,296 | 17,344,569 | 7,849,111 | 13,627,109 | 5,859,656 |
| Tellurium..... lb. | 11,084 | 17,735 | 8,600 | 15,050 | 10,661 | 18,657 |
| Thallium..... " | Nil | - | Nil | - | 128 | 1,690 |
| Tin..... " | 1,237,863 | 643,689 | 776,937 | 450,623 | 516,626 | 299,643 |
| Titanium ore..... ton | 10,331 | 50,906 | 69,437 | 308,290 | 33,973 | 165,195 |
| Tungsten concentrates..... lb. | 520,981 | 406,275 | 1,508,621 | 1,083,538 | 886,745 | 245,780 |
| Zinc..... ton | 580,257,373 | 19,792,579 | 610,754,354 | 24,430,174 | 550,823,353 | 23,685,405 |
| Totals, Metallics..... | | 392,192,452 | | 356,812,760 | | 308,292,161 |

For footnotes, see end of table, p. 321.