World Production of Copper.—World production of copper was estimated at 1,523,200 short tons in 1931, as compared with 2,150,400 tons in 1929, the record year. Canada had an output of 146,152 tons in 1931, producing about 9.4 p.c. of the world's estimated total and standing third among the nations.

16.--Copper Production of the Leading Countries and of the World, 1913-31.

(In short tons of 2,000 pounds.)

Year.	Canada.'	North- ern Rho- desía.	Belgian Congo.	Chile.	Japan.	Mexico.	Peru.	Spain and Portugal.	United States.	World Produc- tion.
1913 1914 1915	38,488 37,868 50,393	•	-	46,574 49,221 57,680	73,283 77,650 83,108	58.185 40.043 34,128	30,600 29,853 38,269	29,652	579,133	1,072,674 1,021,233 1,188,172
1916 1917 1918 1919 1920	54,614	-		78.559 112,985 117,851 87,721 109,075	119,058 99,583 86,468	$\begin{array}{c} 60.751 \\ 52.348 \\ 83.233 \\ 66.661 \\ 49.866 \end{array}$	47,472 49,784 48,944 43,243 36,356	45,084 50,596 38,581	961,016 968,687 604,642	$1,533,294 \\1,579,675 \\1,569,523 \\1,069,437 \\1,082,652$
1921 1922 1923 1924	21,440 43,441 52,229			65,299 142,830 201,042 209.855	59,663 70,315 69,378	49.150	38,495	40,234 57,115 60,713	819,000	
1925 1926 1927 1928 1928	55,725 66,547 70,074 101,348 124,060	793 3,685 6,642 6,122	99,323 88,889 98,278 123,962 151,007	209.654 223.015 264.242 316.141 353.434	72,277 73,381 75,214 83,190	62.303 63,760 72.280 95.409	41,180 46,703 52,438 62,233 61,855	63,983 60,351 61,600 75,040	878,000 847,419 904,898 997,555	1,637,489 1,682,361 1,892,800 2,150,400
1930 1931	151,739 146,152	7.021	153,164	242,865 247,520	87,119	80,922 59,757	52,416 48,832	73,920	705,073	1,769,600 1,523,200

¹ From the Imperial Institute except in the case of the production for Canada, where the official figures of the Dominion Bureau of Statistics are used.

Subsection 4.-Lead.

Lead is obtained in Canada largely from the deposits of British Columbia. From 88,665 lb. in 1891 the production advanced to over 39,000,000 lb. in 1897. Owing to the low price of silver in 1898 and labour troubles in the Slocan in 1899, the output in the latter year fell to 21,900,000 lb., but rose to 63,200,000 lb. in 1900. The output fell to 18,100,000 lb. in 1903, owing to the condition of the market affecting the production of the low-grade silver-lead ores of the East Kootenay district. An Act of October, 1903, provided for the payment of bounties on lead contained in lead-bearing ores mined in Canada and, as a direct result of the bounty, the output increased to 56,900,000 lb. in 1905 but fell off gradually to 23,800,000 lb. in 1911. A marked increase has since been experienced, a record total of 337,946,688 lb. being reached in 1928, while production in 1929 and 1930 continued at nearly the same level. Owing to the very low price to which the metal has since declined, production has fallen off, the preliminary estimate for 1932 being 255,949,960 lb.

British Columbia.—In the East and West Kootenay districts there are many important mines, the principal of which is the Sullivan lead-zinc mine near Kimberley. The ore averages about 11 p.c. lead, 7 p.c. zinc and 5 ounces of silver to the ton. The successful solving by the Consolidated Mining and Smelting Co. of the metallurgical problems connected with the separation and reduction of these lead-zinc ores accounts to a considerable extent for the rapid growth in lead pro-