

Of the total production in 1911 \$46,197,428, or 45 p.c., represents the value of metals and \$56,094,258, or 55 p.c., non-metallic products. Of the principal metals the value of gold was \$9,762,096, compared with \$10,205,835 in 1910. Silver amounted to 32,740,748 oz., value \$17,452,128, compared with 32,869,264 oz., \$17,580,455 in 1910; nickel to 34,098,744 oz., \$10,229,623, against 37,271,033 oz., \$11,181,310 in 1910; copper to 55,848,665 lb., \$6,911,831, against 55,692,369 lb., \$7,094,094 in 1910; lead to 23,525,050 lb., \$818,672, against 32,987,508 lb., \$1,216,249 in 1910; and pig iron to 917,535 tons, \$12,306,860, against 800,797 tons, \$11,245,622 in 1910. The production of coal in 1911 was 11,291,553 tons of the value of \$26,378,477, against 12,909,152 tons, \$30,909,779 in 1910.

Yield and value of principal metals and of coal.

Mr. Thomas W. Gibson, Deputy Minister of Mines for the province of Ontario, has supplied a special statement as to mines and minerals in the province during the calendar year. He writes that the products of the mines and mineral works of Ontario for the year 1911 had a value of \$41,975,427, based on the selling price at the point of production in the form produced. As compared with 1910 this was an increase of \$2,661,532.

Mineral production of Ontario, 1911.

The silver output of Ontario in 1911 was 31,507,880 oz., the total for Canada being about 2,000,000 oz. more. Ontario's yield comes from the mines of Cobalt, which since their opening in 1904 have yielded in all 125,572,069 oz. of silver, having a value of \$64,317,458. A feature of the year was the growth in shipments of bullion from the mine, bars being sent out containing 3,141,976 oz., as compared with 980,633 oz. in 1910. The concentration of low grade ores is now a regular practice, concentrates shipped amounting to 9,375 tons as against 6,845 tons in 1910. This development of treatment processes has had the natural effect of reducing the gross shipments from the camp, which were 26,653 tons in 1911 as compared with 34,282 tons in 1910. The mines of Cobalt are now operated almost wholly by hydraulically generated electric power derived from the falls on the Montreal and Matabitchuan rivers. The works for treating the Cobalt silver ores at Copper Cliff, Deloro, Thorold and Orillia handled 9,330 tons in 1911, recovering therefrom 17,756,651 oz. of silver. Cobalt oxide aggregating 62,859 lb. was shipped for consumption mostly in Europe and the United States, and 388,139 lb. of the mixed oxides of cobalt and nickel. Including the refineries 3,494 employees were engaged in the silver industry last year, earning wages amounting to \$2,921,751. Dividends to the extent of \$8,733,958 were paid to shareholders in silver mining companies in 1911, making a total since mining began in 1904 of \$31,122,867 not including privately owned mines or close corporations.

Silver.

The nickel mines of the Sudbury district are operated by two companies, the Canadian Copper Co. and the Mond Nickel Co. The former obtained its ores from the Creighton, Crean Hill

Nickel.