

of South Africa. In 1884, C. R. C. Tichborne ("On an argentiferous galenitic blende at Ovoca," R.G.S.I., vol. 6, p. 296, 1886) made a careful examination of the Irish "bluestone," and from one analysis estimated the composition as ZnS 37·68, PbS 29·07, and Ag<sub>2</sub>S 00·275 per cent. The silver was equal to 8·6 oz. to the ton, and the author lays stress on this as a source of profit. His paper is the best critical account of "kilmacooite," and includes a note (p. 298) by A. Ryder on the working of the material at Connary, at a time when it had been tested for about 120 fathoms eastward.

Min. Stat. record Connary as a zinc mine in 1877 (p. 172), worked by W. G. Du Bedat and Co., and give (p. 42) an output of 110 tons of ore, value £396. In 1878, 100 tons of ore were raised, and 184 in 1879. In 1885 the record is resumed with 98 tons from the bluestone, value £160; but it then ceases. A zinc record from "Wicklow" in Min. Stat. 1872 and 1873 (29 and 30 tons of ore respectively) probably refers to Connary.

**Castletown.** Lists of Mines 1862-5 give Castletown as a mine both of zinc and lead. The reference is probably to the northern mine of this name in 1" 123, 6" Clare 10 N.W. and S.W. See under Lead.

**Ballyvergin.** 1" 133. 6" Clare 26 S.E. Blende is said to have been raised here, as from other lead mines in the neighbourhood. See under Lead.

**Carrahin (Carrahan).** 1" 133. 6" Clare 34 N.E. This lead mine, in Lassana townland, is said to have raised blende. See under Lead.

**Crowhill.** 1" 133. 6" Clare 34 N.E. Blende is said to have been raised here with the galena. See under Lead.

**Milltown.** 1" 133. 6" Clare 35 N.W. Blende and galena are scattered here in the great calcite lode. The importance of the blende was pointed out in a report to the proprietors by Jas. Paull, who described the lode as 14 to 18 feet wide, with quartz, blende, limestone (presumably calcite), and argentiferous lead ore. At the part then reached, there were 4 tons of blende and 15 tons of galena per fathom, and it was held that the blende would pay expenses while further search for underlying galena was being made. I am indebted to Mr. E. R. Woakes, A.R.S.M., of Messrs. John Taylor and Sons, London, for lending the above report. Min. Stat. for 1858, record 14 tons 16 cwt. of zinc ore, value £164 10s.; this is the first mention of zinc from Ireland. In 1859 and 1860, 40 tons were raised each year. The record then ceases.