

Admiral Count Albini acted as the directors in Italy of the Armstrong Pozzuoli Company.

Mr. Rendel was elected a Member of the Institution on the 14th April, 1863. In 1874 he contributed to the Proceedings an account of the work which had been done at Elswick in the form of a Paper entitled, "Gun-Carriages and Mechanical Appliances for working Heavy Ordnance."¹

WILLIAM AUGUSTUS RICHARDSON, Water Engineer to the County Borough of Birkenhead, died on the 3rd April, 1902, at his residence, The Valley Lodge, Birkenhead, after a long and painful illness.

Mr. Richardson was born at Moate, County Westmeath, Ireland, on the 25th May, 1823, and was educated at various schools and under a private tutor. After being for five years on the Ordnance Survey of England, he entered the service of the Liverpool Corporation in 1851 as a Surveyor. In 1853 he became an Assistant to the late Mr. James Newlands, Borough Engineer, and three years later he was appointed Surveyor to the Waterloo-with-Seaforth Local Board, for which he carried out a new sewerage scheme. In 1860 he was appointed Surveyor to the late Tranmere Local Board, for which he designed and carried out schemes of sewerage and road-making. He also acted as Resident Engineer, under the late Sir (then Mr.) Robert Rawlinson, Past-President, on the Tranmere Waterworks, and he was afterwards appointed Water Engineer to the Board, in which capacity he designed and carried out various works, including wells, headings, boreholes and an engine-house.

In December, 1880, after the incorporation of the late Tranmere Local Board, Mr. Richardson was appointed Water Engineer to the Borough of Birkenhead, and since that time carried out various extensive works, including two new pumping-stations, pumping-engines, wells, boreholes, headings and a reservoir. He also carried out a complete scheme for the prevention of waste of water by means of the Deacon differentiating-meter—one of the first large installations of that system—and reduced the consumption per head per day by about one-third.

He was elected a Member of the Institution on the 7th December, 1897.

¹ Minutes of Proceedings Inst. C.E., vol. xxxviii. p. 85.