

superintended the erection of ironwork at the Waverley Bridge and new Waverley station, Edinburgh, and College Street station, Glasgow, for the North British Railway Company; and erected new gasworks at Dawsholm and Dalmarnock for the Glasgow Corporation. He was also employed on the Ottawa bridge, Canada, for the late Mr. S. Keefer.

In 1873, on the recommendation of the late Sir John Coode, Consulting Engineer for the works, he received the appointment of Resident and Executive Engineer on the Colombo breakwater and harbour works. These works were carried to completion without the aid of a contractor, and were described in a communication¹ presented by Mr. Kyle to the Institution in 1886, for which he was awarded a Telford premium. In the following year, he was appointed Resident Engineer to the Cart Navigation Trust, Paisley, in which capacity he constructed the new harbour and carried out improvement works in the river from Paisley to the Clyde. In 1888 he joined the staff of the Manchester Ship Canal, and was placed in charge of the Salford section, including the whole of the terminal docks at the Manchester end of the Canal, and later of the Barton section also, as District Engineer. On the completion of these works in 1893, he went to Dover as Resident Engineer on the new Prince of Wales' Pier, under Messrs. Coode, Son and Matthews, Consulting Engineers. He retained this position until 1903, after which he lived practically in retirement until his death, which took place, after a short illness, on the 24th June, 1905, in his sixty-eighth year.

Mr. Kyle was elected an Associate of the Institution on the 6th May, 1873, and was transferred to the class of Members on the 7th April, 1876.

WILLIAM LLOYD was born on the 12th October, 1822, and after being privately educated, served a pupilage of 5 years to the late Mr. Joseph Gibbs. On completing his articles in 1842 he was deputed by Mr. Gibbs to make a survey of ironworks at Marquise in France, and to lay out a line thence to the port of Ambleteuse, having completed which he obtained a post as Resident Engineer on a section of the Great Northern Railway of France, then in course of construction. Returning to England in 1844, he was actively

¹ "The Colombo Harbour Works, Ceylon." Minutes of Proceedings Inst. C.E., vol. lxxxvii, p. 76.

engaged during the next 8 years, chiefly under Mr. George Robert Stephenson and Mr. George Parker Bidder, upon the survey and construction of some of the many railway lines then in process of execution in all parts of the country. In 1853 he took part in the surveys for the Swedish Government Railways, and in the following year, on the recommendation of Mr. Robert Stephenson, he was appointed Engineer to the Chilian Government, to carry out railways in that country. During the next 10 years he was engaged on the location and construction of railways and other public works for Chili and Peru, including the Santiago and Valparaiso line, for an account of which, presented to the Institution in 1864,¹ he was awarded a Telford medal and premium.

Upon the completion of the Chilian Railways in 1864, he was appointed Director for the execution of the Mexican Railway, 300 miles in length, between Vera Cruz and Mexico, a line presenting, amongst other unusual features, a gradient of 1 in 25 twenty-three miles in length. He built the greater part of this line before the Revolution arrested the works.

After interesting himself in projects for the construction of railways in Argentina and Guatemala, he next undertook, as one of the concessionaires, an extensive exploration and railway survey for the Brazilian Government, extending from Curitiba to Matto Grosso, a distance of 1,000 miles, traversing for the most part almost unknown and dense primeval forest. A copy of his Report on this survey is in the Library of the Institution.

In 1881, as Director of the Valparaiso Drainage Company, he successfully completed the works in that city; and in 1888 he visited California and Arizona to report on mines in those States, after which he retired from the active pursuit of the profession. He died at his home in St. John's Wood on the 15th July, 1905, at the advanced age of 82.

Mr. Lloyd was elected a Member of the Institution on the 7th March, 1854. His name had thus been borne on the Roll upwards of 50 years.

LEWIS PRITCHARD MOLINE died at South Yarra, Melbourne, on the 12th January, 1904, in his seventy-third year. Descended from an old Huguenot family, he was born at Godalming, Surrey, and educated at the City of London School. After serving his

¹ Minutes of Proceedings Inst. C.E., vol. xxiii, p. 376.