

Administration. His kind-heartedness and geniality as a host, made him generally beloved by all who came in contact with him, whether in official or in private life. He was a keen sportsman, a good rider, and a great lover of flowers, and it may be mentioned that he did all he could to encourage gardening at railway stations. Mr. Wright was elected a Member of the Institution on the 3rd of December, 1867.

WILLIAM JEREMIAH HALL, B.E., was born on the 17th of July, 1851. He was articled in 1867 to Mr. John Long, and was with him as assistant engineer in 1868 and parts of 1870-71 during the construction of the Limerick Graving Dock. He studied at Queen's University, Ireland, from 1870 to 1873, and obtained the diploma of Civil Engineer in June, 1873, and the degree of B.E. in October of the same year, together with the triple first prize in Engineering. In December 1873 he became Assistant to Mr. W. Barrington, M. Inst. C.E., and remained with him for three years, having the superintendence of the Mulkear Drainage Works, which cost nearly £50,000, and the making of contract-surveys and plans for the Limerick and Kerry Railway. During the same period Mr. Hall was also engaged in work on his own account, and after leaving Mr. Barrington was appointed, in January, 1877, Harbour Engineer at Limerick. Under his superintendence many important works were carried out, including extensive subaqueous rock excavating, the deepening of the channel and erection of lighthouses, and other heavy operations for improving the navigation of the River Shannon.

The steel cellular gates of the Limerick Floating Dock, designed in 1852 by Mr. Robert Mallet, having become damaged to such an extent as to necessitate their removal, Mr. Hall decided upon constructing a new pair of gates on a somewhat modified plan, a description of which was communicated by him to the Institution.¹ He acted as Consulting Engineer to the Limerick Waterworks from October 1880 to April 1883, when the works were sold to the Limerick Corporation, and placed under the care of the City Surveyor.

Mr. Hall was elected an Associate Member of the Institution on the 2nd of February, 1886. He died on the 21st of May, 1890, of typhoid fever, contracted while engaged in superintending the

¹ Minutes of Proceedings Inst. C.E., vol. xxvii. p. 335.

rebuilding of the wall of the Floating Dock at Limerick. He was deservedly popular with all with whom he came in contact, and made himself prominent in social and charitable entertainments, his good-humoured wit, combined with good taste, rendering his services always acceptable. The esteem in which he was held was evinced by the many wreaths which were sent to his funeral and the large crowds of all classes who followed him to the grave.

JOHN MITCHELL SALMOND was born on the 27th of May, 1842. He was educated for the Army, and went through the usual course at the Royal Military Academy, Woolwich, and served for a short time in India as Lieutenant in the Royal Artillery; but in 1873, in consequence of a misfortune that brought no dishonour on him, he sent in his papers. In 1874 he entered the Public Works Department of India, as a civilian, and was appointed, on the 10th of March of that year, temporary Assistant Engineer to the Madhubáni division of the Tírhút Relief Works, Bengal. In July 1875 he was transferred to the Rangoon and Irawaddy State Railway, and was appointed Assistant Engineer of the second grade. In April 1879 he was made Executive Engineer, with charge of the construction of the suburban line of the same railway. His next work was superintending the surveys for the re-alignment of the Sittang Valley State Railway, after which he had charge of the head-quarters division of the Rangoon and Sittang Valley State Railway, and subsequently of the first division of the same; and in July 1884 he was made responsible for the second division also. During 1886 he was engaged upon the railway from Toung-ngu to Mandalay; and in 1887 his promotion to third grade Executive Engineer was made permanent. Up to the time of his death Mr. Salmond was employed as an Executive Engineer upon the surveys and construction of the extension of the Rangoon and Sittang Valley State Railway to Mandalay. Mr. Salmond was elected an Associate Member of the Institution on the 2nd of December, 1884.

JAMES CONSTANTIEN MARILLIER was born at Harrow-on-the-Hill, Middlesex, on the 21st of June, 1827. He was articled to Mr. Thomas Wicksteed, Engineer to the East London, and several other London Water-works Companies, and remained with him for about six years. He then, after some temporary engagements,