

He was elected an Associate Member of The Institution on the 4th December, 1888, and was transferred to the class of Members on the 7th March, 1893.

JAMES KIMBER died 1st December, 1916, at the age of 84. He gained experience as Assistant to Mr. John Coutts, naval architect and shipbuilder, Wellington Quay, and as Assistant Engineer to the late Mr. (afterwards Sir) John Aird, Assoc. Inst. C.E., on the Stockholm Gas Works, and to Messrs. Dodds and Son, Rotherham. After practising for a few years on his own account, he went to India in 1860, in the service of the Madras Irrigation and Canal Company. He afterwards joined the staff of the East India Irrigation and Canal Company, and was subsequently appointed Chief Engineer to the Municipality of Calcutta, which office he held for many years. He was elected an Associate 6th December, 1859, and was transferred to the class of Members 9th November, 1875.

WILLIAM KING, born at Liverpool in 1839, died in the same city, 15th December, 1916. Mr. King's grandfather and father were closely connected with the gas lighting of Liverpool since 1818, and on the death of the latter in 1867, Mr. King succeeded him as Engineer of the Liverpool United Gas Lighting Company. Under his direction the Company's operations were widely and rapidly developed. He retired in 1904.

Mr. King was elected a Member of The Institution 15th May, 1874.

ALEXANDER MAURICE LANE, born 21st August, 1854, died 8th October, 1916. He served his pupilage under Messrs. Stothert and Pitt, Bath, and was engaged on various engineering work, chiefly connected with railways, in New Zealand, Canada, South America, Spain, Mexico and Japan. From 1903 to 1905 he held the office of Advisory Engineer to the Government of British Honduras. He was elected an Associate Member 1st December, 1885, and was transferred to the class of Members 22nd October, 1895.

HENRY COATHUPE MAIS, born at Westbury-on-Trym in 1827, died at South Yarra, Melbourne, on the 26th February, 1916, in his eighty-ninth year. He served articles under Mr. W. M. Peniston, one of I. K. Brunel's engineers, on the Bristol to Exeter Railway. In 1850 he went to Sydney, New South Wales, and for 62 years practised his profession, showing such high capacity, sterling character, and thoroughness in all his works to the very last, that he was looked up to with general respect and esteem as a leader of his profession in Australia.

In 1851 he accepted the position of Engineer to the Sydney Railway Company. From 1853 to 1856 he was in the service of the Sydney City Commissioners, and afterwards erected and managed the first hardwood saw-mills in New South Wales, near Gosford. In 1858 he removed to Melbourne, and until 1862

was Engineer to the contractors for the main-line railway from Melbourne to Bendigo. He was next appointed Engineer of the Melbourne and Suburban, and Melbourne and Brighton railways, and on their completion took up work for the Victorian and Tasmanian Governments, until in 1867 he became Engineer-in-Chief of South Australia, which important position he held for 21 years, retiring from office in 1888. He was responsible for nearly 1,500 miles of railway, besides wharves and jetties, lighthouses, fortifications and roads, involving considerable expenditure of public money. In 1888 he returned to Melbourne and carried on an extensive private practice until 1912, when he retired to private life.

Mr. Mais was elected a Member of The Institution on the 2nd December, 1879. He took part in the formation of the Victorian Advisory Committee in 1890 and was a very active member, holding the position of Chairman for periods of 16 years in all.

ISAAC JOHN MANN, born in Dublin, 26th January, 1836, died at Orford, Suffolk, 13th January, 1917. After being educated at Trinity College, Dublin, he was engaged for a time on railway construction in Ireland and Wales. He was then for several years assistant engineer to the Dublin Port and Docks Board, during which time he gave special attention to the study of the formation of river bars.

In 1883 Mr. Mann became associated with Sir John Fowler in the construction of Rosslare Harbour, and on the completion of that work he was appointed resident engineer at the Fishguard Harbour Works. He retired from this position in 1903. He invented a machine for testing Portland cement, and also an instrument for ascertaining the specific gravity of that material.

He was elected a Member of The Institution 6th March, 1888.

THOMAS DE COURCY MEADE, City Surveyor of Manchester, died at Buxton on the 11th February, 1916. Born on the 14th November, 1852, at Bandon, County Cork, he was apprenticed to the County Surveyor, and subsequently obtained experience on the Cork and Bandon Railway. In 1877 he joined the staff of the late Colonel Haywood, then Engineer to the City of London, under whom he was engaged on drainage and housing work until 1880, when he was appointed Surveyor to the Hornsey Local Board. He retained this appointment until 1894, when he was selected for the office of City Surveyor of Manchester. During his long tenure of this office, he was associated with many important municipal undertakings, especially the main drainage scheme, which he designed and put into execution. He was also connected with town-planning schemes, street improvements, bridges and other structures, and until the appointment of a City Architect in 1902, he was also responsible for the architectural work of the