

in 1869 Kate, daughter of Mr. Edward Spring, of Ardrath. After his retirement he served as a magistrate for the county of Kerry.

Mr. Walker was elected a Member of the Institution on the 7th December, 1886.

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ELIJAH THOMAS, Engineer Commander R.N., died on the 10th May, 1904, aged 52. The younger son of the late Mr. Peter Thomas, of Sheerness, he entered the dockyard there as an Engineer Student in 1868, and was appointed in 1875 an Assistant Engineer in the Royal Navy, becoming successively Engineer, Fleet Engineer, and an Engineer Commander under the new scheme. For various periods he served on the "Agamemnon," "Firebrand," "Research," "Tourmaline," "Royal Oak," and "Rodney," with intervals at home; and for a time he did temporary duty at Sheerness as Engineer Commander of the Dockyard Reserve. Throughout his service afloat he enjoyed the confidence and esteem of his colleagues and his superior officers.

He was elected an Associate Member of the Institution on the 7th April, 1891.

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RICHARD CLEMENT TIPLADY, born on the 20th January, 1869, studied for the engineering profession at the Crystal Palace School, and, after completing some short engagements to obtain practical experience, went out to Brazil in 1889 as an Assistant Engineer on the Bahia and San Francisco Railway, under the late Mr. Richard Tiplady, having entire control in 1890 of the Timbo branch, and acting for a further short period as Resident Engineer in charge of the main line and works. He resigned this appointment in 1894 owing to ill-health, and returned home, but after undertaking for a time the technical management of steel-works in Ayrshire and fulfilling a brief engagement in London, he again proceeded to Brazil in 1896, where he built for Messrs. Cox Brothers a sugar-factory and light railways in connection therewith. On the completion of this work he served a second period of 3 years on the staff of the Bahia and San Francisco Railway, leaving in January, 1900, to become Manager and Engineer to a sugar-factory and estate in Bahia, but owing to the crisis in the

sugar-industry in Brazil he was obliged subsequently to relinquish the appointment. After a short period of employment on the main-drainage works of Dublin, he left that city for British Guiana in July, 1903, to take up the post of Engineer of Way and Works to the Demerara Railway, which position he held up to the date of his death on the 16th August, 1904.

Mr. Tiplady was elected an Associate Member of the Institution on the 4th December, 1894.

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ALEXANDER THOMSON WALKER, son of Mr. William Walker of Aberdeen, was born on the 13th November, 1835, and obtained his practical experience in the foundry of Mr. Allan A. Marshall, Aberdeen, and in the works of Messrs. Farquhar and Gill of that city. On coming to England, he entered the service of Mr. John Brown, of Redhill, by whom he was employed on water-supply and drainage works at Earlswood. After acting for a time as principal assistant to Mr. Henry Tomlinson on the waterworks of Cambridge, he was appointed in 1875 sub-manager of the Reading Corporation Waterworks, and became manager of the works in 1883, which position he held until his death on the 3rd March, 1904. During his tenure of office he designed and installed an improved method of filtration, and erected a steam pumping-plant at Fobney, reorganized the distributing system, which included the design and construction of a high-level service reservoir at Tilehurst, and the laying of 6 miles of connecting mains, and was responsible for the works for conveying the town water to the Caversham heights.

Mr. Walker was elected an Associate Member of the Institution on the 4th March, 1890.

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HENRY WRIXON died at Perth, Western Australia, on the 29th October, 1904, in his sixty-seventh year. Born in Constantinople on the 5th January, 1838, he was educated at Christ's Hospital, London, and, after serving his articles to Mr. W. S. Holland, of Southwark, he decided to try his fortune in Australia.