

Mr. Willman was a member of the Town Council of Middlesbrough and was elected to the office of Mayor in 1880. For twenty years he was an officer of the 1st North York Artillery Volunteers in which he held ultimately the honorary rank of major. He was a member of the Institution of Mechanical Engineers and of the Iron and Steel Institute. He was an enthusiastic Freemason, holding the rank of Past Master and Past Provincial Grand Master of the local lodge. For some months before his death, which took place on the 9th of April, 1894, he had been in bad health. Mr. Willman was elected an Associate of the Institution on the 11th of January, 1870, and was placed in the class of Associate Member on its creation in 1878.

CESARE ZANETTI was born at San Benigno in Piedmont on the 25th of April, 1859. After being educated at Stresa on Lake Maggiore, and at Novara, where he showed great aptitude for mathematics, he was entered in 1877 at the University of Turin. From 1879 to 1882 he attended the Engineering School in that city, from which he obtained a diploma as a Civil Engineer. Mr. Zanetti was then engaged for three years on the construction and maintenance of the Turin and Superga Railway, a funicular line worked on the Agudio system.¹ From 1885 to 1887 he was employed in Sicily on the surveys and estimates for the Patti, Valsavoia and Caltagirone Railway and for the proposed Mount Etna line.

In 1887 Mr. Zanetti was appointed a Sectional Engineer on the survey, location and construction of one of the most difficult portions of the Central Railway of Venezuela, under Mr. Thomas Barham and subsequently under Mr. Robert W. Maxwell-Müller. He found great advantage in the use of the tachemeter for surveying in a difficult and mountainous country. Towards the end of 1890 he decided to return home, first visiting the United States. There, however, he accepted an appointment in the office of Messrs. Johnson and Company, metallurgists, of Johnstown, Pennsylvania; but the climate of that district did not suit him, and, his health gradually declining, he determined in June, 1894, to return to Italy. The voyage from New York to Southampton was, unfortunately, made in bad weather,

¹ Minutes of Proceedings Inst. C.E., vol. ix. p. 380.

which served to increase his illness, and he arrived home—after an absence of more than seven years—only to die. He lingered for about a month, bearing his sufferings with great patience and fortitude, and expired at Turin on the 5th of August, 1894.

Mr. Zanetti was a capable engineer and possessed, in addition to practical experience, sound theoretical knowledge of the profession. Hardworking and precise to a degree, he was a thorough disciplinarian and devoted to the profession. Amiable and generous in disposition, he for many years mainly supported his widowed mother, two sisters and a younger brother. He was elected an Associate Member on the 2nd of December, 1890, an honour which he regarded as “the fulfilment of one of the great desires of his life.”

* * The following deaths have also been made known since the 23rd of July, 1894 :—

Members.

BRERETON, ROBERT PEARSON; <i>born</i>	FAIJA, HENRY; <i>born</i> 14 November,
4 April, 1818; <i>died</i> 1 September,	1844; <i>died</i> 21 August, 1894. (<i>Throat</i>
1894. (<i>Tumorous growth</i>).	<i>Complaint</i> .)

Associate Member.

FRENCH, JAMES; *born* 19 May, 1846; *died* 30 July, 1894. (*Pneumonia*).

Information as to the professional career and personal characteristics of the above is solicited in aid of the preparation of Obituary Notices.—SEC. INST. C.E., 4 September, 1894.
