

OBITUARY.

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ROBERT JOHN BILLINTON, Locomotive, Carriage, and Marine Engineer to the London Brighton and South Coast Railway, died at Brighton on the 7th November, 1904, in his sixtieth year. Born at Wakefield on the 5th April, 1845, he served a pupilage to Messrs. Sir W. Fairbairn and Sons, Manchester, and to Messrs. Simpson and Company of Pimlico, and subsequently acted as Assistant Manager to Messrs. Walker and Eaton of Sheffield. In 1870 he was appointed assistant to the late Mr. W. Stroudley, then locomotive superintendent of the Brighton Railway, with whom he remained until 1874, in charge of the design and construction of locomotives and rolling-stock, when he transferred his services in a similar capacity to Mr. S. W. Johnson, locomotive superintendent of the Midland Railway at Derby. He occupied this post until 1890, when, on the death of his former chief, he succeeded to Mr. Stroudley's appointment on the Brighton Railway, a position which he retained until his death. The powerful bogie express engines and bogies carriages now running on that line were introduced during his tenure of office.

Mr. Billinton was a Member of the Institution of Mechanical Engineers, the Iron and Steel Institute, and the Institution of Naval Architects.

He was elected a Member of this Institution on the 10th January, 1899.

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THOMAS PROCTER CAMPBELL, born on the 7th May, 1841, was trained in an architect's office, but subsequently adopting the profession of engineering, he obtained an appointment on the East Indian Railway in 1858.

Arriving in India in December of that year, he was posted to Pandu Nadi, about 50 miles above Allahabad. After 2 or 3 years on the Allahabad-Cawnpore section of the line, Mr. Campbell joined Mr. Brookes, then Resident Engineer of the Tonse Bridge, near Mirzapur, and remained on that work till its completion, when he was transferred to the construction of the line from Allahabad to Jabalpur, and placed in charge of the

Hiran bridge, three 110-foot spans of lattice girders on well foundations, about 21 miles from Jabalpur.

On the completion of the line into Jabalpur, Mr. Campbell was employed on the terminal station works, where he remained till the summer of 1868, when he came home on furlough. On his return to India in 1869 he joined the Oudh and Rohilkhand Railway, then under construction. He remained 7 years on this line, and was promoted to Resident Engineer, his last work being the construction of the central workshops at Lucknow. In 1876 Mr. Campbell returned to the East Indian Railway, where he spent the remaining 20 years of his service, becoming successively Resident and District Engineer. At the date of his retirement in 1896, he held charge of the Delhi District.

Mr. Campbell's record, whilst it does not include any works of outstanding importance, is one of quiet persistent work, and duty performed with faithful and unsparing zeal. To his rigid adherence to duty under severe climatic conditions up to the end of his service must be attributed the constant ill-health from which Mr. Campbell suffered after his retirement, and which culminated in his death at Dalhousie, Punjab, on the 3rd May, 1905, in his sixty-fourth year.

He was elected an Associate Member of the Institution on the 1st December, 1868, and was transferred to the class of Members on the 30th April, 1889.

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HENRY WHEELER DAVIS, who died on the 3rd April, 1905, aged 76, was the youngest son of Nathaniel Davis, for many years Treasurer of the old Eastern Counties Railway. The subject of this notice commenced his career under the late Mr. James Samuel, then Resident Engineer of that line, and subsequently acted as assistant and principal assistant to his successors, until in 1866, on the retirement of Mr. Robert Sinclair, Mr. Davis was appointed Chief Engineer of the system, which before that date had become by amalgamation the Great Eastern Railway. He held this appointment until his retirement in 1873, when he engaged in private practice, which, some years before his death, he was obliged to relinquish on account of failing health.

Mr. Davis was elected a Member of the Institution on the 15th May, 1866.

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