

third year. Educated at Mount Radford School, Exeter, he adopted the engineering profession, and early turned his attention to hydraulic works. Amongst the principal undertakings in Ireland with which he was associated were the Dublin (Vartry) Waterworks, and similar works at Rathmines, Rathgar, Sligo, Dundalk, Enniskillen, Cavan, Newry and other towns. For several years he was chief assistant to the late Mr. G. W. Hemans, Vice-President Inst. C.E., in the survey and construction of various railways in Ireland, including the Newry and Armagh, the Portadown and Dungannon, and other lines. In England he was responsible for the Tenby, Petworth, Wargrave and other water undertakings, and he also constructed the Devon and Somerset Railway between Taunton and Barnstaple. He was well known in Parliamentary committee-rooms, and was highly respected by all who knew him.

Mr. Hassard was elected a Member of The Institution on the 6th March, 1866.

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NEIL KENNEDY, born at Lianachan, Inverness-shire, in June, 1850, died at Wimbledon, on the 10th of June, 1913. Having gained experience on railway construction and surveying, he served from 1875 to 1882 on the engineering staff of the Rio Tinto Company, and was subsequently engaged on iron-ore mining in Bilbao, in the construction of the Great South of Spain Railway, and as General Manager of the Barcelona tramways. He was also connected with the development of gold mines in New Zealand and copper mines in Mexico. From 1904 until his death he was associated with the Rio Tinto Company in London. He was a director of several companies, and author of a book on Surveying and a Paper in the Proceedings<sup>1</sup> which gained a Telford premium.

Mr. Kennedy was elected an Associate Member of The Institution on the 7th December, 1880, and was transferred to the class of Members on the 13th May, 1884.

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HENRY LEA, born on the 6th January, 1839, died at Birmingham on the 20th July, 1912. He served his apprenticeship to the late Mr. J. E. Hodgkin, of Birmingham, and from 1862 until his death he engaged in consulting practice in that city as senior partner in

<sup>1</sup> Minutes of Proceedings Inst. C.E., vol. xcix, p. 308.