

valescent Home at Broadstairs, and Salisbury House, as well as of many other buildings in the City and in the West End. For many years Mr. Emanuel was the architect to the East End Dwellings Company. He was on the committee of many benevolent institutions, a member of the Jewish Board of Guardians, of the Loriners' Company, and of the Court of the Patten Makers' Company, a Justice of the Peace for Middlesex, and a well-known member at the Reform and Savage Clubs.

Mr. Emanuel was elected an Associate of the Institution on the 5th December, 1871, and was subsequently placed in the class of Associate Members.

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EUGENE KINNAIRD HASELDEN, born on the 30th March, 1845, was for some years employed at the Seville Gas Works under his father, Mr. Henry Haselden. In the year 1870, finding mining work more congenial to his taste, he went to Linares and for several years was Under Manager at the Collado del Lobo Mines. From Linares he went to La Carolina to undertake the management of the group of mines known as the Cura Mines; which under his direction were most successfully worked. He was also appointed Manager of the Culebrina Mines, which at the time were in difficulties; these he overcame, and placed the mines in a very favourable position. He was also at the time of his death, which took place at La Carolina on the 19th January, 1904, Joint Manager with his brother, Mr. Arthur Haselden, of the Centenillo Silver Lead Mines Company.

He was elected an Associate Member of the Institution on the 1st February, 1898.

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JOHN DAVY POSTLE died at his residence, Glebe Point, Sydney, New South Wales, on the 17th November, 1903. Born on the 1st December, 1839, he received his early training in the locomotive works of Messrs. Robert Stephenson and Company, and in 1860 emigrated to Australia, where for some years he was engaged in mining work and in the design and construction of refrigerating machinery. In 1878 he joined the Roads and Bridges Branch of the Public Works Department of New South Wales, and in the following year was appointed Roads Superintendent at Bourke in the Western District. In 1882 he was transferred to Bega in the south as Roads Superintendent, and in 1891 was appointed Resident Engineer for that district. He retired from this appointment in 1895 on a pension. While

located in the southern part of the Colony he carried out an extensive mountain road between Colombo and Cooma, crossing what is known as Brown Mountain, to connect the south eastern portion of the Colony with the Cooma railway terminus.

Prior to entering the Works Department Mr. Postle had paid great attention to refrigeration, and in 1868 took out a patent for an expansion cylinder used in conjunction with a compression cylinder to form a dry-air refrigerating machine. He subsequently took out other patents in connection with this matter, and also carried out a number of experiments which demonstrated that the effect of moisture in the atmosphere had a greater influence upon the length of time which frozen meat would keep than mere differences in temperature.

Mr. Postle was elected an Associate Member of the Institution on the 3rd December, 1889.

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DAVID McTAGGART SYMMERS, M.A. (*Aberdeen*), died in Aberdeen on the 20th August, 1903. Born on the 14th January, 1870, he was educated at Gordon's College and at Aberdeen University, where he graduated in arts in 1893. After serving a pupilage to Mr. Patrick M. Barnett, he was appointed an Engineering Assistant on the staff of the Great North of Scotland Railway, on which he was engaged until 1899, when he entered the service of the Aberdeen Harbour Commission, under Mr. R. Gordon Nicol, the Engineer-in-Chief. Under Mr. Nicol he was employed in various works of improvement at the Port of Aberdeen, including the construction of timber wharves, masonry quay walls with cylinder foundations, the reconstruction works of Regent Bridge, and Point Law Improvement Works. He was a most reliable and trustworthy engineer, conscientious and scrupulously accurate in all his work. He took great interest in the local engineering and scientific societies, and contributed in 1902 a Paper on "The Stresses in Masonry Arches" to the Aberdeen Association of Civil Engineers, of which he was a member.

Mr. Symmers was elected an Associate Member of the Institution on the 2nd April, 1901.

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HENRY ANDREW VIVIAN, born at Camborne, Cornwall, on the 31st January, 1824, obtained his early engineering training in a mine in Devonshire, where he remained for about two years. He then became Land and Mineral Agent and Manager of an