

on the Council of the Institution of Engineers, Australia, and was a member of other scientific societies in Australia.

He married Edith, daughter of the late J. V. Jenkins, of Llandaff, Wales, and had five sons and one daughter.

WESTGARTH FORSTER BROWN, C.B.E., was born at Cardiff on the 9th August, 1867, and died at Newcastle-on-Tyne on the 16th July, 1943. He was educated at Marlborough College and received his engineering training at the Newcastle College of Science and as a pupil with Messrs. Forster Brown and Rees, of Cardiff. After practical experience at Whitburn colliery, Durham, and on the construction of the Barry docks, he spent two years in New Zealand, where he acquired a knowledge of mining under various conditions. On his return, in 1889, he was placed in charge of the sinking and equipment of a large modern colliery for the North's Navigation Colliery Company. In 1892 he was appointed an assistant to the firm of Forster Brown and Rees, and in 1894 became a partner, being engaged on the design and execution of a colliery undertaking in Durham for Messrs. Bolckow, Vaughan & Co., Ltd. As a member of the firm, of which he became senior partner, he acted as Mineral Adviser and Agent for many important mineral estate owners, and in addition to making many investigations, reports, and valuations of properties and mineral undertakings in the United Kingdom he visited many foreign countries in the course of his work. He served on a number of Committees, including the Central Valuation Committee in connexion with the provisions of the Coal Act, 1938, and was a member of the Imperial Mineral Resources Bureau. At the time of his death he was the Regional Estates Manager for the Northern and Southern Regional Areas, on behalf of the Coal Commission. He also acted as Chief Mineral Adviser to the Crown, Mineral Agent for the Duchy of Cornwall, and Deputy Gaveler and Crown Receiver of the Forest of Dean. His public services were recognized in 1939 by his appointment as a Companion of the Order of the British Empire.

Mr. Forster Brown was elected a Member of The Institution on the 23rd April, 1901. For some years he rendered valuable assistance as a Referee in connexion with "Engineering Abstracts." He was President of the South Wales Institute of Engineers in 1931, and was also a Fellow of the Surveyor's Institution and a Member of the Institute of Mining Engineers.

He married Mildred Nash, who pre-deceased him, and had one son.

Sir JAMES FORTESCUE FLANNERY, Bart., was born at Liverpool on the 16th December, 1851, and died at Wethersfield Manor, Essex, on the 5th October, 1943.

In 1866 he served one year with Mr. David Campbell, Liverpool, and was then apprenticed to Messrs. James Taylor and Company, of Birkenhead

for 5 years, afterwards being employed as a draughtsman. During this period he studied at the Liverpool School of Science and became Derby Prizeman. In 1873 he was appointed to the London staff of Sir Edward J. Reed, K.C.B., M.P., Chief Constructor of the Navy, as Assistant and Inspecting Engineer. Five years later he started practice as a consulting engineer and naval architect, and later founded the firms of Flannery, Baggalay, and Johnson (London), Flannery and Gregson (Rotterdam), and Flannery and Gwen (Liverpool). He acted as consultant to various British and Colonial Government Departments, shipowners, and marine insurance companies. He was also chairman of directors of Callenders' Cable and Construction Company and a director of Barclay's Bank. He served as a Member of the Technical Committee of Lloyd's Register, and was an Associate Member of Lloyds, London. In 1895 he was elected Unionist Member of Parliament for the Shipley Division of Yorkshire, which he represented until 1906, and he sat for the Maldon Division of Essex from 1910 to 1922. He was a Justice of the Peace for the Counties of Essex, Kent, London, and Surrey, and one of His Majesty's Lieutenants for the City of London. A knighthood was conferred upon him in 1899, and he was created a Baronet in 1904.

Sir James was elected an Associate Member of The Institution on the 5th February, 1879, and was transferred to the class of Member on the 3rd March, 1885. He was also a founder member and Past-President of the Society of Consulting Marine Engineers and Ship Surveyors, a Past-President of the Institute of Marine Engineers, of the Liverpool Shipbuilders' Guild, and of the Junior Engineers Institution, a Fellow of the Royal Society of Arts, and a Member of the Institution of Naval Architects.

In 1882 he married Edith Mary Emma, daughter of Osborn Jenkyn, and had one son, who succeeded to the Baronetcy, and two daughters. Lady Fortescue Flannery died in 1936.

CONWAY OSBORNE GRIMSHAW was born at Belfast on the 31st May, 1862, and died at Chobham, Surrey, on the 27th August, 1943. He was educated at the Royal Academical Institution, Belfast, and received his engineering training with Messrs. Combe, Barber, and Combe, of Belfast, and with the Brown, Sharpe, and Bells Machine Co., in the United States. In 1885 he joined the staff of Messrs. Crompton & Co., of Chelmsford, and acted as Resident Engineer on several contracts, including Woolwich Arsenal and the Barry and Tilbury docks. In 1889 he was sent by the firm to India and Burma to act for the Orient Electric Lighting Company and to report on the establishment of lighting stations. In 1890 he was appointed Resident Engineer at the Eccleston Place power-station of the Westminster Electric Supply Corporation, and in 1897 he became Assistant Engineer under Dr. (later Sir) Alexander Kennedy, Past-President, Inst. C.E.; he held this position until his retirement in 1926. From 1899 to 1902 he was responsible for changing the system of direct-current steam-