

Surveyor to the Beverley and Barmstone Drainage Commissioners. The experience gained in these very varied engagements prepared him for the post in which he was destined to pass the remainder of his life. In 1868 he was engaged by the late Mr. J. J. Montgomery, Borough Surveyor of Belfast, as an assistant, and on that gentleman's death in 1884, Mr. Wakeford became Chief Assistant Borough Surveyor under his successor, Mr. J. C. Bretland. Mr. Wakeford held this office until his death on the 6th of June, 1888. Mr. Wakeford was elected an Associate Member on the 6th of May, 1886. He was a very careful and painstaking engineer of the second rank, and although not destined to attain an independent position, he left a considerable reputation for good and thorough work.

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HERBERT FRANCIS WARING, second son of Mr. Thomas Waring, of Cardiff, was born at that place on the 2nd of October, 1859. He was educated chiefly at Cheltenham College, where he took a good position in Physics and Mathematics. He entered his father's office in 1875, and making rapid progress in the profession, was elected an Associate Member of the Institution on the 4th of March, 1884. He soon took charge of the engineering portion of the business, and carried out a scheme of waterworks for the Borough of Aberavon; a filtration system of sewerage for the City of Llandaff; sewerage and sanitary works for various estates, and, up to the day before his death, was engaged in completing a scheme of drainage for the Cardiff Union Sanitary Authority.

Mr. Herbert Waring became a partner in the firm of T. Waring and Sons, Civil Engineers and Land Agents, in 1885. Being of a quiet and retiring disposition, he took no active part in the proceedings of the Institution. His death, on the 12th of August, 1888, from a fit of apoplexy after a few hours' illness, was a great shock to his family and to a numerous circle of personal friends.

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JOHN ASHWORTH was born on the 3rd of August, 1826. From his earliest youth he evinced an aptitude for mechanics, and was constantly making models of small pieces of machinery. When quite a boy he constructed several miniature water-wheels, which he fixed in small streams near his father's house. As he