

RICHARD BARNLEY SANDERS, born on the 6th October, 1845, was educated at Queen's College, Belfast, and obtained in 1866 the diploma in Civil Engineering, with honours, of Queen's University, Ireland, the degree of Bachelor of Engineering being conferred voluntarily upon him by the Royal University of Ireland in 1878. He served a pupilage to the late Mr. James Thomson, afterwards Professor of Civil Engineering at Glasgow University; and was then engaged, first as an Assistant, and subsequently as Contractor's Engineer, on the construction of the Downpatrick, Dundrum and Newcastle Railway, in 1868-69. After acting as an Assistant on the construction of the Belfast Central Railway from 1870 to 1872, and being employed in 1873 on plans for Belfast Waterworks, he obtained in 1874, by competitive examination, the appointment of County Surveyor of King's County. That post he held until his death, which took place at Parsonstown on the 13th February, 1900.

Mr. Sanders was also engaged in private practice, and designed and carried out engineering works of varied character. He was a Member of the Institution of Civil Engineers of Ireland, of the Incorporated Association of Municipal and County Engineers, and of the Royal Dublin Society. To this Institution, of which he was elected a Member on the 2nd February, 1897, he contributed a Paper entitled "The Management, Maintenance and Cost of Public County Roads in Ireland under the Irish Grand Jury System."¹

HAMILTON SMITH, who died suddenly of heart disease at his residence in Durham, New Hampshire, U.S.A., on the 4th July, 1900, was born at Louisville, Kentucky, on the 5th July, 1840. In order to gain a knowledge of engineering he was employed at an early age—from 1854 to 1859—under his father, who was at that time the technical manager of the Cannellton Coal Mines in Indiana, on the Ohio River. He gave immediate evidence of ability, and rose rapidly to be chief of the engineering and accountant's departments. From 1859 to 1867 he was engaged in Indiana and Kentucky in developing important collieries and in superintending the construction of the necessary railroads and machinery. In 1869 he was appointed Engineer and Manager of

¹ Minutes of Proceedings Inst. C.E., vol. cxxxv. p. 258.