

the drainage of the Colaba and Mazagon Districts on the Shone system. He also elaborated a scheme for the drainage of the flats, which will be put in hand shortly.

Mr. Smith died at Bombay on the 21st July, 1900. His work as an engineer was distinguished by most painstaking accuracy. He was a well-known Mason, having served almost every possible office up to that of Grand Master of Scottish Freemasons in India. An active volunteer, he was for some years Captain of the Bombay Municipal Company of Rifle Volunteers. His amiable disposition gained for him many friends.

He was elected an Associate Member of the Institution on the 12th May, 1874, and was transferred to the class of Members on the 5th March, 1889. In 1888 he contributed to the Proceedings a Paper entitled, "Hurst's Triangular Prismatic Formula for Earthwork compared with the Prismoidal Formula."¹

HENRY FRANCIS SNEYD-KYNNERSLEY died on the 15th October, 1900, at his residence, 7 Grosvenor Villas, Newcastle-on-Tyne. He was the sixth son of the late Mr. Thomas Clement Sneyd-Kynnersley, J.P., Stipendiary Magistrate at Birmingham, was born at Exeter on the 22nd June, 1851, and was educated at Marlborough College. His maternal grandfather, Mr. Joseph Sandars, of Liverpool, was associated with George Stephenson in the construction of the first English railway, and in the year 1871 the grandson's engineering career fitly commenced with a pupilage of twelve months to the well-known firm of Robert Stephenson and Company, of Newcastle-on-Tyne. He subsequently served a pupilage of four years, from 1872 to 1876, with Mr. Alfred R. C. Harrison, Engineer of the Northern Division of the North Eastern Railway. For the following seven years he held the post of Assistant Engineer over the whole of the Northern Division of that line, and during that time obtained extensive and varied experience in surveying, bridge building, and railway work generally.

In 1883 Mr. Sneyd-Kynnersley was appointed County Surveyor of Northumberland, and when the County Council came into existence in 1889 the appointment was renewed and was held by him until his death. In 1884 he was also appointed Surveyor to

¹ Minutes of Proceedings Inst. C.E., vol. xcv. p. 229.

the Tweed Bridges Trust. Mr. Sneyd-Kynnersley was a man of unostentatious habits and demeanour, but of great energy and resource. He carried out the duties of those posts in a thoroughly efficient manner, and was held in high esteem, not only by the members of the Bridges and Roads Committee of the Northumberland County Council, but by a large circle of friends, by whom he will be long and deservedly remembered for never failing geniality and unselfishness of character.

Mr. Sneyd-Kynnersley was elected an Associate on the 4th December, 1877, was subsequently placed in the class of Associate Members, and was transferred to the class of Members on the 22nd December, 1885.

JOHN STRAPP, born in 1821, commenced his engineering career in 1837 with Mr. Cardus, who had a sub-contract under Mr. Brassey for the construction of the London and South Western Railway from Nine Elms to Surbiton. He also assisted Mr. Cardus on contracts for the construction of a part of the London and North Western Railway. About the year 1844 he joined the staff of the London and South Western Railway, and became Assistant in 1848 to the late Mr. Albinus Martin, and after the retirement of the latter to Mr. Michael Bass. In 1856 he was appointed Chief Resident Engineer of the line, which post he held until his retirement in November, 1870. During that term of office he executed many enlargements of stations and widenings of the line, also the Locomotive and Stores depôts at Nine Elms, and several extensions of Waterloo Station, including the Windsor Line Station.

From his retirement in 1870 until the time of his death, which took place on the 5th October, 1900, Mr. Strapp did not practise as an engineer. He took great interest in local matters at Surbiton, where he resided for over forty-five years, and was for many years a member of the Improvement Commission, to which body his practical knowledge as an engineer was of great assistance.

Mr. Strapp was elected an Associate of the Institution on the 10th January, 1854, and was transferred to the class of Members on the 17th January, 1860.
