

Cuttack and Pooree, and between Cuttack and the Chilka Lake on the way to Ganjam. In January, 1885, he was promoted to Executive Engineer, 3rd-Grade, and in the following year was transferred to the Sind-Peshin State Railway. During 1888 and 1889 he was absent on leave; returning in November of the latter year he was posted to the Mu Valley Railway, where he remained until August, 1890, when he was transferred to the Oudh and Rohilkund Railway. The floods of 1890 caused a serious breach on that line between Bareilly and Cawnpore, and Mr. Rogers was specially commended for the prompt and energetic manner in which he carried out the necessary repairs. In April, 1891, he was promoted to Executive Engineer, 2nd-Grade. His career, however, was nearly at an end; his constitution had been weakened by malarial fever, contracted in Beluchistan and Upper Burma, and he succumbed to an attack of enteric fever at Shahjahanpur in the North West Provinces on the 17th of August, 1892.

Mr. Rogers was an active and energetic officer, a good rider and fond of outdoor sports and exercises of all kinds. He was elected an Associate Member of the Institution on the 2nd of December, 1879.

CHARLES SLAGG, eldest son of the late Mr. Richard Slagg, of Ford, near Eckington, Derbyshire, was born on the 31st of August, 1823. After serving a pupilage of four years under the late Mr. W. B. Bray, then Engineer to the Hull and Selby Railway, he became an assistant in the office of the late Mr. James Simpson,¹ Past-President Inst. C.E., with whom he remained some seven years. He was then engaged on the water and sewerage-works of Hereford and on the Bradford waterworks.

From 1857 to 1862 Mr. Slagg occupied the position of Surveyor to the Improvement Commissioners of the town of Leek in Staffordshire and during that period planned and successfully carried out a new system of main sewers with two outfalls, one on the south and the other on the north side of the town. He also extended the water-supply by laying down several additional mains and service-pipes. He was next for a time engaged on the extension of the Manchester waterworks, after which he acted from 1867 to 1874 as Surveyor to the Local Board of Kingston-on-Thames. He then resided for some four or five years in Shrop-

¹ Minutes of Proceedings, Inst. C.E., vol. xxx. p. 457.

shire, first at Ironbridge and subsequently at Madeley, where he wrote a book called "Sanitary Work in the Smaller Towns and in Villages," published by Crosby Lockwood and Company. He left Madeley in 1879 to take up the appointment of Assistant Surveyor to the Borough of Leeds. He was then engaged on large extensions of the sewers for the drainage of Bramley and Woodhouse Hill, involving river, canal, and railway-crossings, and also on the erection of a refuse destructor at Armley, an account of which he communicated to the Institution in a Paper¹ entitled "The Burning of Town Refuse at Leeds."

Mr. Slagg remained at Leeds until 1883, when he removed to Presteign in Radnorshire, upon the sewerage of which town he was engaged for the following three years. In 1886 he settled at Leominster where he spent the remainder of his life in comparative retirement. A series of articles on "The Water Question," written by him, which appeared from time to time in the *Building News*, attracted so much attention that in 1888 he was induced to reprint them in book form under the title of "Water-Engineering." He also contributed to the Institution a Paper² on "The Discharge of Water over Weirs."

In February, 1890, Mr. Slagg had a severe attack of influenza, from the effects of which he never really recovered. After remaining an invalid for nearly two years, he died on the 23rd of January, 1893. Modest and retiring in disposition, Mr. Slagg was generous to a fault; ever ready to help a friend, he would stand aside rather than seek advancement at the expense of a colleague. He was elected an Associate of the Institution on the 3rd of December, 1861, and was subsequently placed in the class of Associate Member.

CHARLES ROBERT TREWHELLA, son of Mr. Robert Trewhella of Catania, Sicily, was born on the 14th of March, 1865. In 1882 he became a student at the Royal Indian Engineering College, Coopers Hill, where he took 1st-class honours and obtained the diploma of Associate. On leaving the College in 1885, he was engaged under his father on railway and mining works in Sicily and Italy. In March, 1886, he was employed on a project for a railway round Mount Etna about 65 miles in length and in

¹ Minutes of Proceedings Inst. C.E., vol. lxxviii. p. 290.

² *Ibid*, vol. xc. p. 305.