

NATHANIEL GREW, born on the 6th October, 1829, served his pupilage at the Fairfield Engineering Works, London, under the late Mr. W. Bridges Adams, from 1846 to 1849. He was then employed on the South Eastern Railway in London and at Ashford until 1851, when he proceeded to Spain and was engaged for two years on the survey and setting out of the Albacete-Almansa section of the Madrid and Valencia Railway. From 1854 to 1859 he was Chief Assistant to Sir William Siemens,¹ by whom he was employed on work in connection with various improvements in iron and steel manufacture and in engines and furnaces.

In 1860 Mr. Grew began to practise on his own account. He became Consulting Engineer to several large firms of merchants and for many years was engaged in advising as to the supply of materials for railways in Argentina, Central America, Peru and Brazil. The last important work with which he was connected was the Produce Market at Bahia Blanca, Argentina, for the Bahia Blanca and North Western Railway Company. He had only just inspected at Glasgow the material for that work on the day when he was seized with his fatal illness. Mr. Grew died at his residence, Clarence House, Belmont Park, Lee, on the 11th July, 1897. He was elected an Associate on the 6th March, 1860, and was transferred to the class of Members on the 6th April, 1897.

ALFRED HOWARD VINCENT NEWTON, fourth son of the late Mr. William Edward Newton, Civil Engineer, was born in London on the 13th January, 1852. After being educated at King's College, Strand, where he gained the Daniell Chemical Scholarship, he was articled to his father, and was subsequently employed by Major-General Scott, R.E.,² to carry out experiments in connection with sewage works at Leeds, Bolton and Nottingham. In 1877 he was appointed Assistant Engineer to the Singapore Municipality, which post he held for nineteen years. During that time he was in charge of the Department for periods aggregating about four years; and between March, 1895, and June, 1896, owing to the illness of Mr. James MacRitchie,³ he carried on the work of the office single-handed. Among the works upon which he was engaged may be mentioned the erection of iron and steel bridges over various rivers and creeks in Singapore, drainage

¹ Minutes of Proceedings Inst. C.E., vol. lxxvii. p. 352.

² *Ibid.*, vol. lxxv. p. 318.

³ *Ibid.*, vol. cxxii. p. 374.