

undertaking to the Corporation. During his tenure of the latter office, the waterworks were largely developed under his supervision. The works at Tewkesbury, designed by the late Mr. Thomas Hawksley, Past-President, were constructed by him, as well as the large reservoir at Dowdeswell, and he also superintended the construction of Evesham waterworks, and smaller works at Winchcombe. In 1890 Mr. McLandsborough retired from his appointment under the Corporation, after a connection with the waterworks extending over 26 years of able and devoted service, the value of which was fully appreciated by his employers and by the community. After his retirement he was frequently consulted upon water-supply schemes and similar undertakings, in connection with which he was associated with several prominent engineers and gave evidence before parliamentary committees and at arbitrations. He died suddenly at his residence in Cheltenham on the 5th December, 1905, in his seventy-seventh year.

Mr. McLandsborough was elected an Associate of the Institution on the 24th May, 1859, and was transferred to the class of Members on the 30th April, 1878.

DAVID JAMES ROSS, born in London on the 5th February, 1845, was educated at various public schools and served his articles between 1861 and 1864 as a pupil to Mr. John Foster Pickering, Surveyor, of Old Jewry. After the expiration of his pupilage he gained further experience in the offices of several well-known surveyors and engineers, and in November, 1871, he entered the engineer's department of the Commissioners of Sewers, under the late Colonel Haywood. After passing through all the departments, he was appointed to the position of Chief Assistant in 1882, and on the death of Colonel Haywood in 1894, he succeeded that gentleman in the appointment of Engineer to the Commissioners of Sewers. In 1897 the Commission was amalgamated with the Corporation of London, Mr. Ross being retained as Engineer to the Public Health Department. During his official career he was responsible for the laying out of a complete system of fire-hydrants, the construction of extensive sewerage-works in connection with the various Metropolitan and other railway extensions, the electric lighting of the City streets, the formation of new streets and subways, and generally the works appertaining to the lighting, paving and control of the public thoroughfares. The

street-works comprised the widening of Lower Thames Street, the improvement at the west end of Cheapside, the formation of Lloyd's Avenue, with subway and sewer, and the widening of Fleet Street, Fenchurch Street, and Gracechurch Street. He also erected the City shelter in Golden Lane, the Crematorium at Ilford Cemetery, and several underground conveniences in the City. Mr. Ross retired in June, 1905, in consequence of ill-health, and in October, after a long illness, he underwent a serious operation; this in itself was successful, but his strength being exhausted, he failed to recover, and died on the 29th October, 1905, aged 60.

He was a Member of the Surveyors' Institution and of the Incorporated Association of Municipal and County Engineers.

Mr. Ross was elected an Associate Member of this Institution on the 5th December, 1882, and was transferred to the class of Members on the 15th January, 1895.

CARL HEINRICH VON SIEMENS¹ died at Mentone on the 21st March, 1906, aged 77. Born in 1829 at Menzendorf in Mecklenburg, he was the sixth of eleven sons in a family which has given illustrious names to engineering science. The greater part of his career is indissolubly bound up with those of his three brothers, William (afterwards Sir William),² Werner³ and Friedrich, whilst with the two first-named he helped to carry on the various electrical undertakings with which the name of Siemens is identified. As an inventor his name is not so well known as those of his brothers, but as a capable business man and organizer, distinguished for untiring energy and perseverance, his career has left its mark on all the undertakings with which he was associated.

His father, Christian Ferdinand Siemens, died in 1839, and after residing for a time in Lübeck, the family removed to Berlin, where the subject of this notice completed his education. Later on he became the assistant, in the firm of Siemens and Halske, of his eldest brother, the late Dr. Werner von Siemens, whom he helped to lay the first underground telegraph-wires. In 1848, William, Carl and Friedrich followed their elder brother to the war, the last two entering the Schleswig-Holstein army as volunteers,

¹ This notice is based on that which appeared in *Engineering*, 30th March, 1906.

² Minutes of Proceedings Inst. C.E., vol. lxxvii, p. 352.

³ *Ibid*, vol. cxii, p. 339.