

On his return to Winnipeg in 1875 Mr. Jarvis entered into business as a lumber merchant. In 1880-83 he built the Louise and Broadway bridges over the Red River and the Main Street bridge over the Assiniboine River in the City of Winnipeg. He was in command of the Winnipeg Field Battery of the Canadian artillery, served with it in the Riel rebellion of 1885 and was mentioned in despatches. He then received an appointment as Superintendent in the North-West Mounted Police, which he held until his death at Calgary, Alberta, on the 26th November, 1894.

JOSEPH GODBER KNIGHTON, born on the 14th June, 1851, was the son of Mr. William Knighton, of Staveley. After serving articles to the late Mr. Charles Markham,¹ he was appointed in 1873 Assistant Manager, under that gentleman, of the foundries, blast furnaces, and engineering department of the Staveley Coal and Iron Company. In 1887 he became Foundry Manager, which position he held until his death at Barrow Hill, near Chesterfield, on the 5th of August, 1895. Mr. Knighton's charge of these important works, which he held first under Mr. Markham, and subsequently under Mr. George Bond, the recently deceased General Manager, was fulfilled with energy and zeal, and in him the workmen of the district have lost a good friend. For twenty years he served as a lieutenant in the local Volunteer corps. He was also a Freemason and an able musician, playing the violin with great skill. Mr. Knighton was elected an Associate Member on the 7th April, 1891.

JAMES HENRY CORNWALL LANGDON, born at St. Heliers, Jersey, on the 5th February, 1853, was articled in 1868 to Mr. A. B. Campion, Borough Surveyor of Neath, Glamorganshire, whom he assisted in the design and construction of the drainage of that town. He then served for seven years on the engineering staff of the Midland Railway, as an assistant in the southern division. In 1877 Mr. Langdon proceeded to South Australia, and in March of the following year was appointed City Surveyor and Engineer of Adelaide, which post he held until his death. He designed and erected a weir over the River Torrens, turning the dry bed of the river into a permanent lake two miles long; designed

¹ Minutes of Proceedings Inst. C.E., vol. xcv. p. 377.

one and built two bridges over the same river; and designed and supervised the construction of many of the Corporation buildings. At the time of the heavy floods in the Torrens in 1890, when the weir was threatened with destruction owing to the large number of huge gum-trees brought down by the waters, Mr. Langdon was directing the removal of the heavy masses of timber, when he was carried over the weir amongst a large accumulation of logs, receiving an injury to his spine which resulted in paralysis. He remained in office until January, 1895, when he succumbed to an acute attack of pneumonia. Mr. Langdon was elected an Associate Member on the 7th February, 1882.

RICHARD ALOYSIUS LAVERTINE, B.E., eldest son of Mr. John Lavertine, of Limerick, was born on the 7th of October, 1853, and was educated at the Queen's University, Dublin (now the Royal University of Ireland), where, in 1876, he obtained the degree of Bachelor in Engineering. With characteristic energy he made the best use of the long vacations during his University career by gaining practical knowledge of the profession in the office of Mr. Maurice Hennessy, of Limerick; by which means he usefully supplemented his theoretical studies. In January, 1877, he became an Assistant to the late Mr. William Barrington,¹ for whom he acted from November, 1878, as Resident Engineer on the construction of the Limerick and Kerry Railway.

That line was completed in May, 1880, and in the following October Mr. Lavertine was appointed Government Surveyor for the district of Pretoria, Transvaal. Shortly after his arrival, war broke out between the Boers and the English, and Mr. Lavertine served for three months as a volunteer in the Pretoria Carabineers, his horse being shot under him on one occasion when he narrowly escaped with his life. When the Transvaal was handed over to the Boers at the conclusion of the war, he was appointed Government Surveyor to the Republic. In that capacity he conducted between February, 1882, and May, 1884, a flying survey of Stellaland (Bechuanaland), 10,000 square miles in extent, and laid out the town of Vryburg; and, during the two following years, he was continuously employed on extensive surveys for the Transvaal Government.

¹ Minutes of Proceedings, Inst. C.E., vol. cxx. p. 341.