

OBITUARY.

JOHN ATKINSON, born on the 22nd October, 1852, began his engineering career as a pupil of Mr. R. E. Johnston, and in 1872 joined the engineering staff of the London and North Western and Great Western Joint Railways. From 1875 to 1879 he acted as Resident Engineer, under Mr. Johnston, on the Woodside extension of those lines to Birkenhead. He was next engaged for four years, on behalf of the contractors, in charge of the construction of the Pickering and Seamer branch of the North Eastern Railway, and from 1883 to 1887 he carried out the contract for the widening of the Great Western main line from Slough to Taplow.

In 1888 Mr. Atkinson undertook for the concessionaires the charge of the construction of 250 kilometres of the Argentine North Eastern Railway, and in 1892 he entered the service of the Brazil Great Southern Railway Company as Resident Engineer on the Santo Angelo extension of that line. He was subsequently appointed General Manager to the Company, and held that post until his death, which took place on the 7th March, 1903.

Mr. Atkinson was elected an Associate of the Institution on the 10th April, 1877, was subsequently placed among the Associate Members, and was transferred to the class of Members on the 16th November, 1896.

JOHN CHARLES BAILEY died at his residence, 211 Carlton Street, Toronto, Canada, on the 27th July, 1903. Born in Ireland on the 17th November, 1826, he began his engineering career as an apprentice on the Great Western Railway of Canada. From May, 1855, to October, 1857, he was employed on the Sarnia branch of the same line as an Assistant Engineer in charge of the construction of the works. From November, 1857, to June, 1860, he was in private practice as a member of the firm of Smith and Bailey, architects and civil engineers, and from June, 1860, to March, 1862, he was Chief Engineer of the County Grey gravel roads, 177 miles in length, which he finished. From May, 1862, to July, 1863, Mr. Bailey was again in practice on his own account in Toronto; and from August, 1863, to June, 1866, he was em-

ployed as Resident Engineer on the Atlantic and Great Western Railway, U.S.A. He was then engaged for a time on his own account, and in 1868 he had charge of the survey for the first narrow-gauge railway in Canada, Mr. John Edward Boyd being the Chief Engineer. From June, 1868, to November, 1869, Mr. Bailey made the surveys for the Detroit and Milwaukee main line, from Detroit to Grand Haven, a distance of 189 miles, as well as for the Muskegeen branch, and in November, 1869, he entered the service of the Toronto and Nipissing Railway Company, at first as Resident Engineer under Mr. Edmund Wragge. In May, 1871, he was appointed General Superintendent, and subsequently Engineer and General Superintendent of the whole line.

Mr. Bailey also acted as Engineer to the Credit Valley, the Lake Simcoe Junction, the Toronto and Ottawa, and the Northern and Pacific Junction Railways. He located the Sault Ste. Marie and the Nipissing and James Bay lines, and was also connected with the Canadian Pacific, the Grand Trunk, and other lines in Canada and in the United States.

Mr. Bailey was elected a Member of the Institution on the 3rd February, 1874.

WILLIAM FOULIS,¹ Chief Engineer and Manager of the Glasgow Gasworks, and recently President of the Institution of Engineers and Shipbuilders in Scotland, died at his residence, 2 Montgomerie Quadrant, Glasgow, on the 29th June, 1903, at the age of 65. He had held his post in connection with the gas-supply since it was created, in the year 1869, and was almost, if not quite, the oldest servant of the Glasgow Corporation.

Mr. Foulis began his engineering career as an apprentice in the works of Messrs. Craig, Fullerton & Co., of Paisley, now known as Messrs. Fullerton, Hodgart, and Barclay. Shortly after the close of his apprenticeship he entered the service of the late Mr. Walter Montgomerie Neilson, the originator of the firm of Messrs. Neilson, Reid & Co., of the Hyde Park Locomotive Works. In 1863 he was appointed Resident Engineer to the Mediterranean and Malta Gas Company, for which he superintended the erection of gas-works at Malta and at several places on the shores of the Mediterranean.

¹ This notice has been abridged from *Engineering*, 3 July, 1903, by permission of the Editors.