

made a partner, and took an active share in the business; the principal works on which he was engaged being the railways between Hyde and Hayfield, Stockport and Wordley, and Oldham and Guide Bridge, together with the waterworks at Glossop, Ashton, and Staleybridge, &c. In the spring of 1865, after an attack of smallpox, hemorrhage of the lungs ensued. Having rallied somewhat, his medical advisers proposed a voyage to Australia. Shortly after his return a recurrence of the symptoms took place, and it was not till 1868 that he was able to resume any duties, and then all active work was forbidden. He continued, however, to superintend the office department, and compiled a set of hydraulic and other tables, published in 1870. On the death of his father, in 1871, the principal charge of the practice devolved upon him, but the attacks of hemorrhage becoming more frequent, and in the hopes that a total cessation from business might afford relief, he retired to Burleydam near Combermere Abbey, Cheshire. Little or no benefit accrued from the change, and early in August 1874, he sustained an attack of more than ordinary severity, and died on the 17th of that month.

Mr. John William Blackburne was a most zealous supporter of the Volunteer movement, and joined the Oldham corps on its formation in December 1859. Having passed through the various grades, he eventually became captain in the regiment of which his father was lieutenant-colonel. He was elected a Member of the Institution of Civil Engineers on the 7th of December, 1869.

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Mr. JABEZ CHURCH, son of a well-known engineer of the same name, was born in London on the 2nd of April, 1824. As a youth he was of a studious disposition, greatly affecting mechanical and geological subjects. On arriving at manhood, these proclivities, being pronounced, determined him to follow the profession of a Civil Engineer. After the usual preliminaries, he obtained the appointment of Engineer to the Chelmsford Gas Company, and the connection thus begun continued throughout his whole career. The company's affairs were at the time in an indifferent condition, but from the moment Mr. Church took them in hand they began to flourish, and the concern is now a most successful undertaking. Mr. Church thoroughly understood and liked his branch of the profession, and soon made himself a reputation as a safe and trustworthy man to consult in all matters relating to it. He was largely interested in gas engineering generally, having constructed or been appointed Consulting Engineer to

nearly all the gas companies in his own county, as well as to many others in various parts of the kingdom. Among them, the Dublin Gas Company owes much to his skill and enterprise. He did not, however, confine his attention to gas alone, but designed and carried out the water and drainage works of many towns and villages. He was also frequently engaged in giving evidence before parliamentary committees, and as he was conversant with the tactics of the committee-room, his services as a parliamentary engineer were much in request. Even under the most severe cross-examination Mr. Church was always imperturbably good-tempered, and this, combined with his known attainments, and a certain air of authority derived from a commanding presence, gave great weight to his evidence.

In 1871 Mr. Church was made President of the British Association of Gas Managers, in whose welfare he took great interest. He was elected an Associate of the Institution of Civil Engineers on the 7th of February, 1854, and was transferred to the class of Member on the 1st of March, 1870. He was also a Fellow of the Geological and other scientific societies. For nearly a year he had been in failing health, and during the last six months of his life had been entirely laid up. His death took place on the 20th of May, 1875.

Amid the distractions of an active professional life, and while his services were in request all over England, in Wales, in many parts of Scotland, and in Ireland, Mr. Church yet found time to take his share of the public work of Chelmsford. He was a member of the Local Board of Health, likewise a valuable coadjutor to the vicar of Moulsham as his warden; and the poor have great reason to remember his benefactions. In this town he had built up a reputation as a Christian, a citizen, and a philanthropist. He was a man who could not fail to attract friends, his open countenance, and the cheerful, happy temperament which he preserved to the last, drew them to him, and, once gained, retained them. A fine specimen of an Englishman, in appearance and character, he fought the battle of life with honour, ability, courage, and energy, and as a reward attained conspicuous success.

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MR. THOMAS DALE was the eldest son of the Rev. William Dale, of Davenham, Cheshire, where he was born on the 9th of September, 1819. He was thoroughly educated by his father, especially in mathematics, as he was intended for a land surveyor. He had, however, a natural love of painting, and his youthful