

interest he evinced in the proceedings, it was evident that, had his life been prolonged, he would have followed the example so worthily set by his father, and would have contributed some useful practical experience to the stock of professional knowledge.

Mr. ALEXANDER BRODIE COCHRANE was born at Dudley, in the year 1813. After receiving a plain substantial education, he was placed at the ironworks of Messrs. Grazebrook, where he obtained a thorough knowledge not only of the business of a founder, but also of the manufacture of iron from the ore, as well as of the principles of mining, under his father, who had the entire management of Messrs. Grazebrook's colliery and furnaces. Afterwards, at a very early age, he became a partner of the late Mr. John Joseph Bramah, and commenced business as an iron-founder at Bilston. Subsequently they, in conjunction with Mr. Cochrane's father, founded the Woodside Ironworks and Foundry, which were carried on with much success until the decease of Mr. Bramah. Mr. Cochrane was then joined by the late Mr. Charles Geach (Assoc. Inst. C.E.) and the late Mr. A. Slate (Assoc. Inst. C.E.), the firm being carried on under the name of Cochrane and Co., by whom also the works belonging to the firm at Middlesborough, and known as the Ormesby Ironworks, were established. After the death of Mr. Geach, Mr. Slate left the firm, which had at that time attained a wide reputation, and was particularly known as having supplied most of the ironwork required for the Great Exhibition building of 1851. He was afterwards joined by his brother, Mr. John Cochrane (Assoc. Inst. C. E.), who devoted his attention more especially to the engineering branch of the establishment; since which time the firm has executed many large contracts, particularly some of the iron bridges over the Thames, recently completed. By his assiduity and skill he obtained for his firm a great reputation for the manufacture of cast-iron pipes, and they supplied nearly all the principal water and gas companies of the country, as well as many on the continent, and in the colonies. He was a magistrate of the counties of Worcester and Stafford, and obtained considerable influence in those counties.

Mr. A. B. Cochrane joined the Institution of Civil Engineers as an Associate in the year 1850, and remained connected with it until his death, which occurred on the 23rd of June, 1863, at the early age of 50 years.

Mr. WILLIAM COULTHARD, who was born in the year 1796, commenced his career as a practical mason, under his father, who was a Contractor.