

EDWARD RUSH TURNER, who died at his home, near Ipswich, on the 10th February, 1904, was one of the pioneer engineers who helped to build up the great trade in agricultural and milling machinery which this country enjoys. Born in December, 1823, he was the son of Mr. Walton Turner, a leather merchant, and after serving a pupilage to the firm of Bond, Turner and Hurwood, he was sent to Messrs. Wren and Bennett, of Manchester, to learn general engineering and mill-wrighting. From 1847, in partnership with Mr. Hurwood, he carried on the business at St. Peter's Works, Ipswich, and on the retirement of Mr. Hurwood in 1851, after conducting the business alone for a time, he ultimately took into partnership his brother, Mr. Frederick Turner, and established the firm which now enjoys a wide reputation. The company was successful practically from the first, and the works were rapidly developed. The subject of this notice took great interest in mills of all kinds for the crushing of cereals, and was an active competitor in the trials of the Royal and Smithfield shows. The manufacture of all kinds of implements was also undertaken. In traction-engine work also Mr. E. R. Turner interested himself, and he is credited with the invention or introduction of the extension of the fore part of the boiler, so arranged that the fore-carriage might swing through a large arc.

While actively engaged in this work Mr. Turner found time to devote to municipal matters, and it is largely to his efforts that the present extensive sewer system of Ipswich is due. On the death, in 1864, of Mr. Hurwood, who had held the office of Engineer to the Dock Commission from the time of the construction of the dock, Mr. Turner was appointed his successor, and his relinquishment of the post after seven years' service was due solely to the increasing claims of private business. He served the office of Mayor in 1882.

Mr. Turner was elected an Associate of the Institution on the 5th December, 1865, was subsequently placed among the Associate Members, and was transferred to the class of Members on the 1st April, 1879. Not long before his death he was enrolled as an Honorary Life Subscriber.

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HENRY BARRATT, born at Heaton Norris in February, 1840, entered the service of the North Cheshire Water Company at the age of 20, and in 1869 was appointed Manager to that Company, which post he held until his death. He acted also for some years as Engineer to the Knutsford Gas and Water Company. For forty-