

ferring his services to the contracting firm of Sir Thomas Firkbank, he was subsequently engaged on railway contracts at Manchester, Basingstoke, Cirencester, Park Royal, Somerton, and other places.

Mr. White was elected an Associate Member of The Institution on the 5th April, 1892.

JOHN HOWARD COLLS, born on the 30th August, 1846, died at Buenos Aires on the 29th December, 1910. Mr. Colls was joint Chairman and Managing Director of George Trollope and Sons and Colls and Sons, of which latter firm his father was the founder. He had considerable experience as a builder and contractor, and was a member and office-bearer of the Institute of Builders, the London Master Builders' Association and other bodies.

He was elected an Associate of The Institution on the 10th January, 1905.

CHARLES FREDERICK HART, born at Brigg, Lincolnshire, on the 26th October, 1828, died at Devizes on the 11th September, 1910. He obtained his training on the Manchester, Sheffield and Lincolnshire railway, and was subsequently engaged on the construction of the Devizes branch of the Great Western railway. For 22 years he acted as Secretary of the Berks and Hants Extension railway, now part of the Great Western railway system, and for 17 years until 1899, when he retired, he was Engineer to the Kennet and Avon Canal. Mr. Hart was elected an Associate of The Institution on the 6th April, 1875.

CAPTAIN THOMAS BRIDGES HEATHORN, R.A., died at 10, Wilton Place, S.W., on the 23rd January, 1911, aged 80. Trained at Putney College for the engineering profession, he afterwards entered the East India Company's military school at Addiscombe. He obtained his lieutenant's commission in 1850, and served throughout the Crimean War in the Turkish Contingent, holding the position of Deputy Quartermaster-General of Artillery. He also served in the Indian Mutiny campaign, was present at Kotah and other actions, and was mentioned in despatches. In 1868 he served on the Armaments Committee of the War Office,

and in later life, he became a director and Chairman of the South Metropolitan Gas Company, and was the inventor of several patented appliances in connection with ordnance machinery.

He was elected an Associate of The Institution on the 6th December, 1881.

* * The following deaths have also been made known between the 11th February and the 1st June, 1911 :—

Honorary Member.

CHANUTE, OCTAVE ; *died* 23 November, 1911.

Members.

AIREDALE, Lord ; <i>died</i> 16 March, 1911.	HALLETT, JOHN HARRY ; <i>died</i> 10 April, 1911.
BELL, HENRY PURDON ; date of death not known.	MASSIE, JAMES ; <i>died</i> 8 March, 1911.
BRIGGS, ROSWELL EMMONS ; <i>died</i> May, 1911.	NEATE, CHARLES ; <i>died</i> 29 May, 1911.
COKE, GEORGE ELMSLEY ; <i>died</i> 14 May, 1911.	SCHWITZER, JOHN EDWARD ; <i>died</i> 23 January, 1911.
CROUDACE, CHARLES HUTTON ; <i>died</i> 20 May, 1911.	SWAN, ARCHIBALD ALEXANDER ; <i>died</i> 12 February, 1911.
DAWSON, WILLIAM ALFRED ; <i>died</i> 24 February, 1911.	UNWIN, HOWARD ; <i>died</i> 26 February, 1911.
GLASS, JAMES GEORGE HENRY ; <i>died</i> 21 April, 1911.	VAUGHAN, CEDRIC ; <i>died</i> 18 February, 1911.

Associate Members.

DAWSON, JAMES HENRY ; <i>died</i> 19 February, 1911.	MACGREGOR, ALEXANDER ; <i>died</i> 18 February, 1911.
EUNSON, JOHN ; <i>died</i> 4 April, 1911.	O'CONNELL, JAMES CHARLES ; <i>died</i> 15 March, 1911.
GREENHILL, THOMAS ARTHUR ; <i>died</i> 20 April, 1911.	RISTORI, EMANUEL JOSEPH ; <i>died</i> 21 May, 1911.
GROVE, EDMUND ; <i>died</i> 11 February, 1911.	SEALY-ALLIN, LIONEL ; <i>died</i> 12 April, 1911.
LAUTOUR, EDGAR DE ; <i>died</i> 11 May, 1911.	THOMAS, CHARLES HENRY ; <i>died</i> 29 April, 1911.

Associate.

BIRT, Sir WILLIAM ; *died* 18 May, 1911.