



GEORGE NELSON HADEN
1817-1892

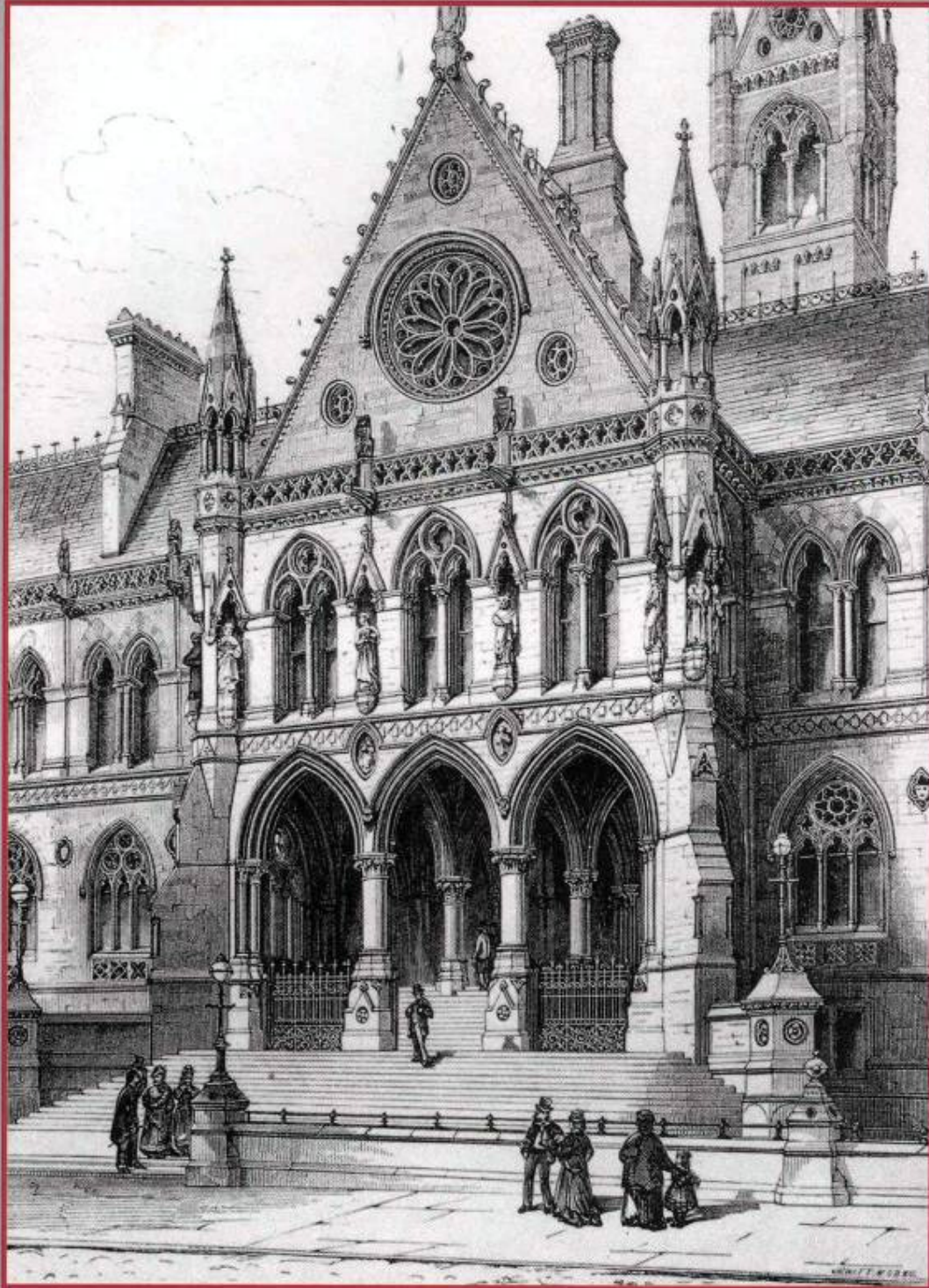


George Nelson Haden, the only son of George and Ann, was born in Trowbridge on 8th March 1817 and baptised at the Tabernacle Church in Back Street on 25th April in the same year. Sadly, his mother Ann died when he was only 2 years old, and for the remainder of his childhood he was brought up by his two aunts, Sarah and Mary. Sarah was the main provider and influence during his younger years. In 1835 he is recorded as becoming a member of the Tabernacle Church. On the 30th September 1837 he married Mary Poyton in that church, the first to be held there following the passing by Parliament of the new Marriage Act. The census of 1841 finds him living with his Father and Uncle James in the Silver Street Offices of the St George's Works. George and Mary had 8 children, who were born from 1842 until 1852 but sadly only 2 survived into adulthood. Particularly tragic was the death of their eldest son, George Slade, at his school when only 10 years old. His first wife Mary died on the 22nd April in 1853 at the young age of 43 years. He then met and married Emma Louisa Batley in Bristol during the summer of 1856. She was 28 years of age and came from St Andrews in London. George and Emma had 4 children, who were born from 1857 until 1863, and all of whom survived into adulthood. By 1861 he is living with his family at Homefield House, 1 Polebarn Road, Trowbridge.

When James retired in 1855 the name of the partnership changed to George Haden and Son. Then in 1856 his Father died and he was left to run the business. By 1861 he was employing 93 men at the Silver Street Works and under him the business prospered. The Order Books show there was no shortage of work, which included not only churches and country houses, but many notable public buildings. He designed a hard labour crank and a treadmill, which were sold to prisons all over the British Isles and the Commonwealth.

His character was said to be a shade sanctimonious by today's standards, but undoubtedly he was a pillar of the church and the local community. In 1880 the teachers at the Tabernacle Sunday School presented him with a silver medal. His service spanned a total of 61 years, carrying on the tradition started by his father. He was a teacher for 20 of those years and a superintendent for the remaining 41 years. He revered his father and had a stained glass window, dedicated to his memory, erected in the Tabernacle Church. George Nelson died of influenza on the 3rd January 1892 in Trowbridge, aged 73 years. He was then head of the largest, and one of the oldest and most famous, heating and ventilating firms in the country. He had consolidated the work of his father and uncle and guided the business for over 40 years. He left it to his three sons Joseph Poynton, William Nelson and Charles Ingham. His wife Emma lived until 1901 when she died on the 9th June at the age of 73 years.

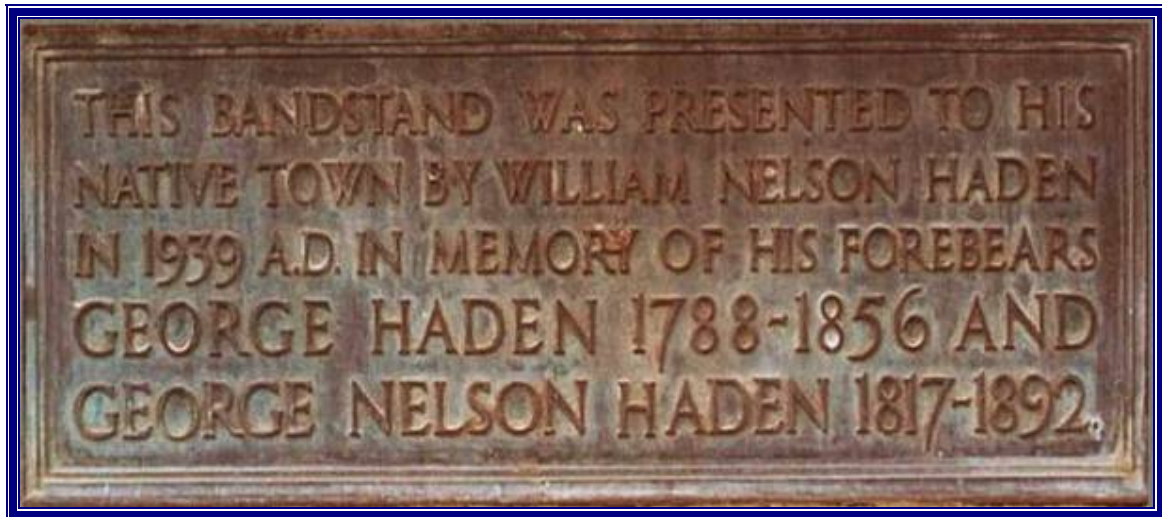
(Text & pictures from "Hadens of Trowbridge," Frank Ferris, Brian Roberts & Paul Yunnie, Haden Young, 2004)



*1865 Manchester Assize Courts
Heating and ventilating with an early air washer by G N Haden & Sons
Architect Alfred Waterhouse
[Wiltshire Record Office 1325/216]*



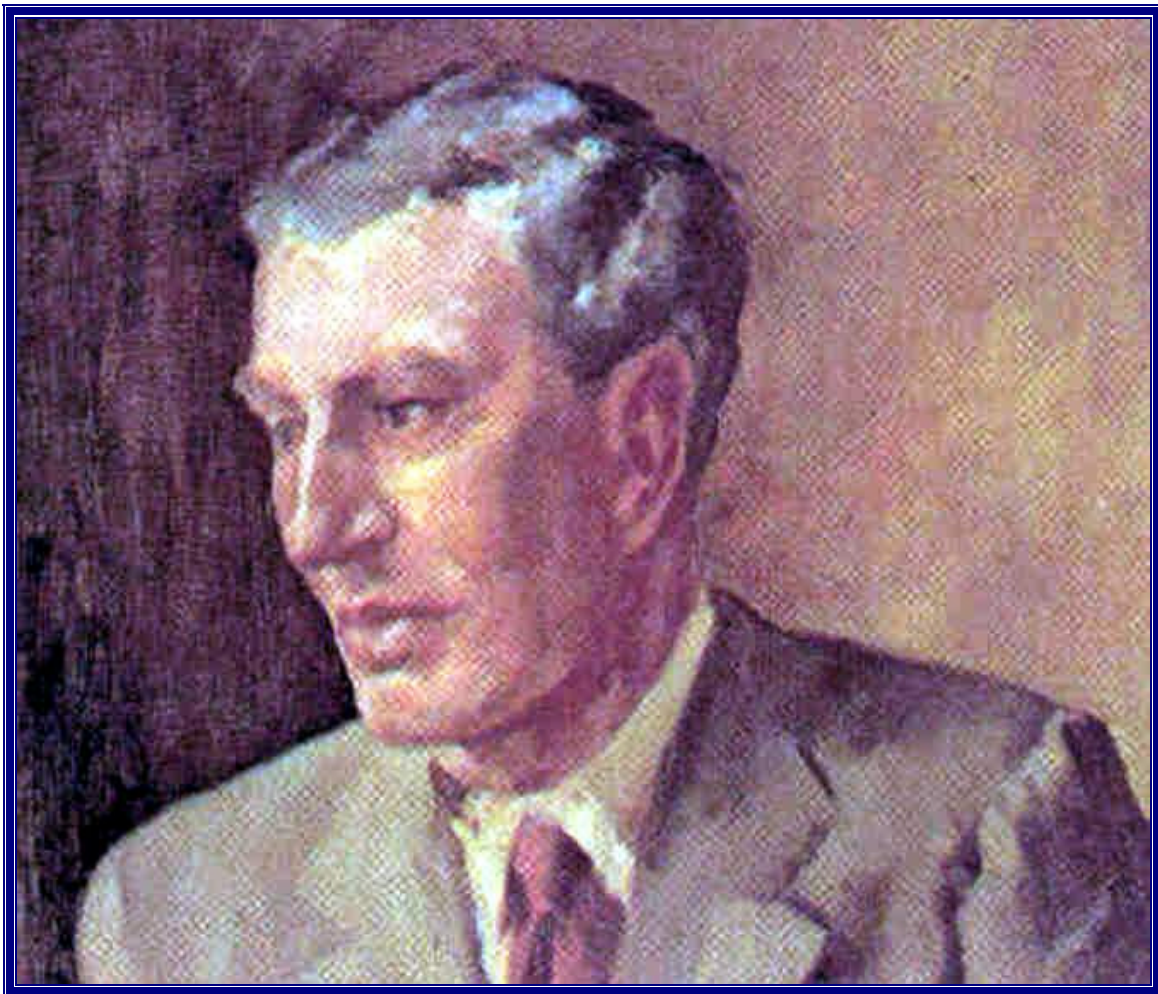
*1874 Midland Grand Hotel (St Pancras) London
Heating for the Hotel and Station by G N Haden & Sons
Contract values £4072 16s 0d and £968 12s 0d
The architect was Sir George Gilbert Scott*



Memorial plaque on Trowbridge Bandstand



G NELSON HADEN OBE
1900-1960



President IHVE 1938-39

George Nelson Haden, the elder son of William Nelson Haden, was born in Trowbridge on 9th March 1900. He was educated at Mill Hill School and took his BSc at Manchester University. After experience in America with the American District Steam Company of Tonawanda, New York, and the Detroit Edison Steam Company on district heating systems, he joined G N Haden & Sons Ltd in 1923. He became a Director in 1924, Managing Director in 1935 and Chairman in 1938, a position he held until his retirement from the company in 1958.

He joined the Institution of Heating & Ventilating Engineers as an Associate Member in 1924, became a Member in 1925 and was elected to Council in 1932 and as President for 1938-39. He served on numerous committees and was considered one of the most outstanding members of the Institution, his services being recognised by the award of the Gold Medal in 1959. It was said that his contributions to Council discussions over a long period were particularly valuable for their wisdom and clarity of expression, serving as an inspiration to younger members. Nelson Haden was a member of the Council of the Association of Heating, Ventilating and Domestic Engineering Employers (now HVCA) from 1935, its President for 1941-42, and Chairman of the Labour and Negotiating Committee from its first meeting in 1939 with only short breaks until 1958. It was on this latter Committee that he made many outstanding contributions. He was also a Liveryman of the Worshipful Company of Plumbers. In 1948 he was awarded the OBE. He was a member of the Council of the Institution of Mechanical Engineers from 1947 to 1957 and served on a number of committees. Education, in the widest sense, was of particular interest to Nelson Haden and he was the IMechE nominee on the Board of Governors of the National College for Heating, Ventilating, Refrigeration and Fan Engineering at its inception. Later, the Nelson Haden Lecture Theatre at the National College was named in his memory. He was also very interested in research and was one of the early advocates and workers in the setting up of the Heating and Ventilating Research Association (now BSRIA).

He was a member of the commission appointed in 1947 by the Ministry of Fuel and Power to visit the USA to study district heating and a member of the Egerton Committee on the Heating and Ventilation of Dwellings. He was first a Governor and then Chairman of the Board of Bedales School and, for a time, he was a Governor of University College Hospital, until ill health forced him to resign. He was described as "A man of broad vision whose personal charm evoked the loyalty and love of those who served under him." It was said, "He built well on the foundations his predecessors had laid." When Nelson Haden died on 30 July 1960, at the age of 60 years, the last link to the family firm was severed.

(Text & pictures from "Hadens of Trowbridge," Frank Ferris, Brian Roberts & Paul Yunnie, Haden Young, 2004)

ESTABLISHED
1816.

G. N.

HADEN & SONS LTD.

THE
HEATING, VENTILATING AND ELECTRICAL
ENGINEERS

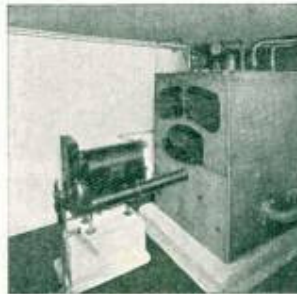
OF
LINCOLN HOUSE, 60, KINGSWAY, LONDON, W.C.2.
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13 OTHER BRANCHES.

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EFFICIENT

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SAFE

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TORQUAY, EASTBOURNE AND BRUSSELS.

*1927 Advertisement promoting oil firing
Lists Haden branches including Brussels*

G.N. HADEN & SONS L T D



*Leyland Motors Ltd, Ministry of Supply Factory, Lancashire
Heating by HPHW working at 225 psig provided by four boilers with a total capacity of 184 million Btu/h
and with waste heat reclaim from diesel generators and the rubbish incinerator
Architect Harry S Fairhurst & Sons*



Frank Buckingham

G. NELSON HADEN

President 1938-39.

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G. NELSON HADEN

PRESIDENT 1938-39.

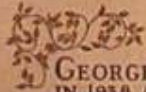
THE new President of the Institution of Heating and Ventilating Engineers, Mr. G. Nelson Haden, B.Sc., A.M.I.Mech.E., M.Amer. Soc. H.V.E., the elder son of Mr. W. Nelson Haden, J.P., C.C., was born in 1900 at Trowbridge, Wilts. He was educated at Mill Hill School and graduated in mechanical engineering at Manchester University in 1921, after which he went to America and served with the American District Steam Company of Tonawanda, N.Y. as a draughtsman and subsequently in charge of various district heating mains installations. He gained experience for some months of the operating side of district heating with the Detroit Edison Company. In 1923 he joined the firm of G. N. Haden & Sons, Ltd., whose headquarters were then at Trowbridge. Mr. Haden is the fourth generation in this company, which was founded by his great grandfather as an offshoot of Messrs. Boulton & Watt in 1816. He became a director in 1924, moved to London in 1929, where the head office of the company is now situated and was made joint managing director in 1923 and managing director in 1935. He joined the Institution as an Associate Member in 1924, became a Member in 1925, and was elected to the Council in 1932. He has served on the Technical Education, Examinations Board, Scrutineers-Membership, Research and Reception Committees. He has also taken an interest in the National Association of Heating, Ventilating and Domestic Engineering Employers, of which he is Vice-President. He is also a Liveryman of the Worshipful Company of Plumbers.

THESE GOLD MEDALS

WERE PRESENTED TO WILLIAM NELSON HADEN AND TO GEORGE NELSON HADEN FATHER AND SON, BY THE INSTITUTION OF HEATING & VENTILATING ENGINEERS THIS IS THE HIGHEST HONOUR IT CAN BESTOW ON A MEMBER AND IS RARELY AWARDED



WILLIAM WAS PRESIDENT OF THE INSTITUTION IN 1906 - 1907 AND TREASURER FROM 1909 - 1943. HE WAS CHAIRMAN OF HADENS FROM 1919 - 1955. HE, WITH HIS BROTHER CHARLES AND WITH FRANCIS HORTON, SET THE COURSE OF THE COMPANY FOR THE FIRST HALF OF THE CENTURY. HE ESTABLISHED A REPUTATION FOR TECHNICAL EXCELLENCE AND INTEGRITY WHICH OTHERS HAVE TRIED TO FOLLOW



GEORGE WAS PRESIDENT OF THE INSTITUTION IN 1958 AND CHAIRMAN OF HADENS FROM 1958 - 1958 HE WAS A MAN OF BROAD VISION WHOSE PERSONAL CHARM EVOKED THE LOYALTY AND LOVE OF THOSE WHO SERVED UNDER HIM. HE BUILT WELL ON THE FOUNDATIONS HIS PREDECESSORS HAD LAID. AS CHAIRMAN OF THE LABOUR AND NEGOTIATIONS COMMITTEE OF THE INDUSTRY FOR NEARLY 20 YEARS. HE PLAYED A LEADING PART IN THE PROMOTION OF GOOD RELATIONS BETWEEN MASTERS AND MEN



Illuminated Manuscript 1960



JAMES HADEN
1790-1871



James Haden



[228] James HADEN

born 1790

Brother of George [223]. Served a general apprenticeship with Boulton & Watt. Co-founder of G. & J. Haden at Trowbridge (1816). A bachelor and said to be an extremely hard worker, James traveled the country for some 20 years, meeting prospective clients, providing estimates for warm air stoves, and frequently supervising their installation. A five-day itinerary (1826), said to have been typical, covered Trowbridge, Birmingham, Manchester, Blackburn, Preston, Carlisle, and Edinburgh—often travelling by coach through the night. He began by working for the landed gentry and had an impressive list of titled customers. For George IV, he provided a warm air stove for the Royal apartments at Windsor (1826), and when apologizing to other customers for delays took delight in writing, “But I have been much occupied fixing stoves for His Majesty at Windsor.” These efforts laid the foundation of the heating business, which upon his retirement (1855) became G.N. Haden & Son.

(Mini-biography from “The Comfort Makers,” Brian Roberts, ASHRAE, 2000)



121 Soho manufactory, Birmingham, from an engraving of 1798. This establishment was built by Boulton and Fothergill in the early 1760's for the production of Birmingham 'toys', i.e. a wide range of small metal manufactures, and was an early example of the transition from the domestic to the factory system in these trades. It became world-famous after the formation of the Boulton and Watt partnership in 1774 as the headquarters of their steam-engine business, though it was not until 1796, when Soho Foundry was opened, that they began to produce complete steam engines. Previously almost all their cylinders had been made by Wilkinson and other parts by local ironfounders. Note the rural setting in which the works were built.

Boulton & Watt's Soho Manufactory 1798
(From “Industry & Technology, W H Chaloner & A E Muson, 1965:
CIBSE Heritage Group Collection)

James Haden was born on the 8th July 1790 at Handsworth, Birmingham. Like his brothers George and John he was employed by Boulton & Watt, and in 1804, on his 14th birthday, entered into a 7-year apprenticeship at their at their Soho Works, being listed as engine erector/engineer. It is known he carried out work at Soho House in 1814. His interest in heating work appears to have been fostered by Matthew Robinson Boulton, whose father died in 1809. In 1816 James went into partnership with his brother George, when G & J Haden was established in Trowbridge. The same year he attended M R Boulton's house at Great Tew in Oxfordshire "to fix up the heating apparatus." This resulted in several more orders in the district and on 1st June 1817 he wrote to George, "I have asked Mr Boulton to allow me to put up warm air stoves about here and he has given me leave." It may be that initially the Hadens were erecting another firm's stoves. However, the manufacture of their own stoves in the Trowbridge Works commenced in 1819 according to their Order Books.

For the next 20 years or so James travelled the British Isles meeting prospective clients, giving them estimates for heating stoves and then fixing them or supervising their installation. His early clients were mostly the landed gentry and nobility, and his orders flowed in by personal recommendation. By 1825 his work expanded to include churches, schools and various kinds of institutions. His most prestigious warm air stove installation at this time was for His Majesty George IVth's apartments at Windsor Castle in 1826 as part of Sir Jeffry Wyattville's restoration. This was to be the first of many long-standing relationships with the major architects of the Victorian period. Where the Windsor Castle order delayed the work of other customers he delighted in writing letters of apology –"But I have been much occupied fixing stoves for His Majesty at Windsor."

The amount of work undertaken by James is amazing. A typical itinerary in November 1826 covered Trowbridge, Birmingham, Manchester, Blackburn, Preston, Carlisle and Edinburgh in 5 days, travelling by coach, often through the night. Throughout these travels he sent a constant stream of letters back to George-ordering stoves and their fittings, telling what prices to quote and how much to pay certain contractors. He remained a bachelor and his letters show that he regularly sought his brother George's advice on personal, family and financial matters.

James appears to have cut down on his travelling by the 1840s. The census of 1851 shows the firm employing 83 men at the St George's Works in Silver Street, Trowbridge. James Haden decided to retire in 1855 at the age of 65 years. George died a year later in 1856. James lived until 1871 when he died on the 21st April in Trowbridge.

(Text from "Hadens of Trowbridge")

James HADEN. Engine erector/engineer, brother of George and John. Son of George Haden Sr. Carried out work at Soho House, 1814. Was requested to come to Great Tew to fix up the heating-apparatus. [MBP Z. Walker To J. Haden, 11 Aug. 1816. (Private Cor.)] Offered to go out with the Calcutta Mint in 1821. [B&W Box 13/6, M. R. Boulton to Watt Jr., 30 Mar.]

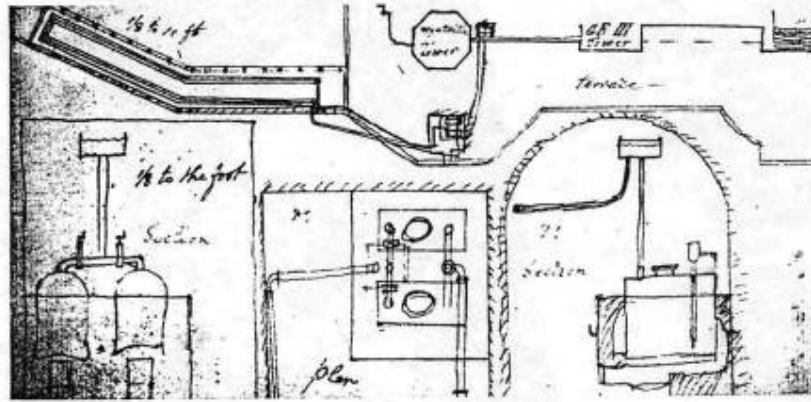
Went to Birmingham to put up an "Air Stove" at Aston, 1824. [MBP J. Watt Jr. to M. R. Boulton, 31 Dec. 1824.]

Correspondence with Matthew Robinson Boulton: MBP M.R.B. General 1824.
Housekeeper's Accounts: MBP Housekeeper's bills, 1814.

(Notes from References to George Haden in the Boulton & Watt Archive, Birmingham)

Top: One of the sketches James Haden made for his work at Windsor Castle in 1826, taken from his note-book

Bottom: A page from the ledger recording one of the Windsor Castle accounts

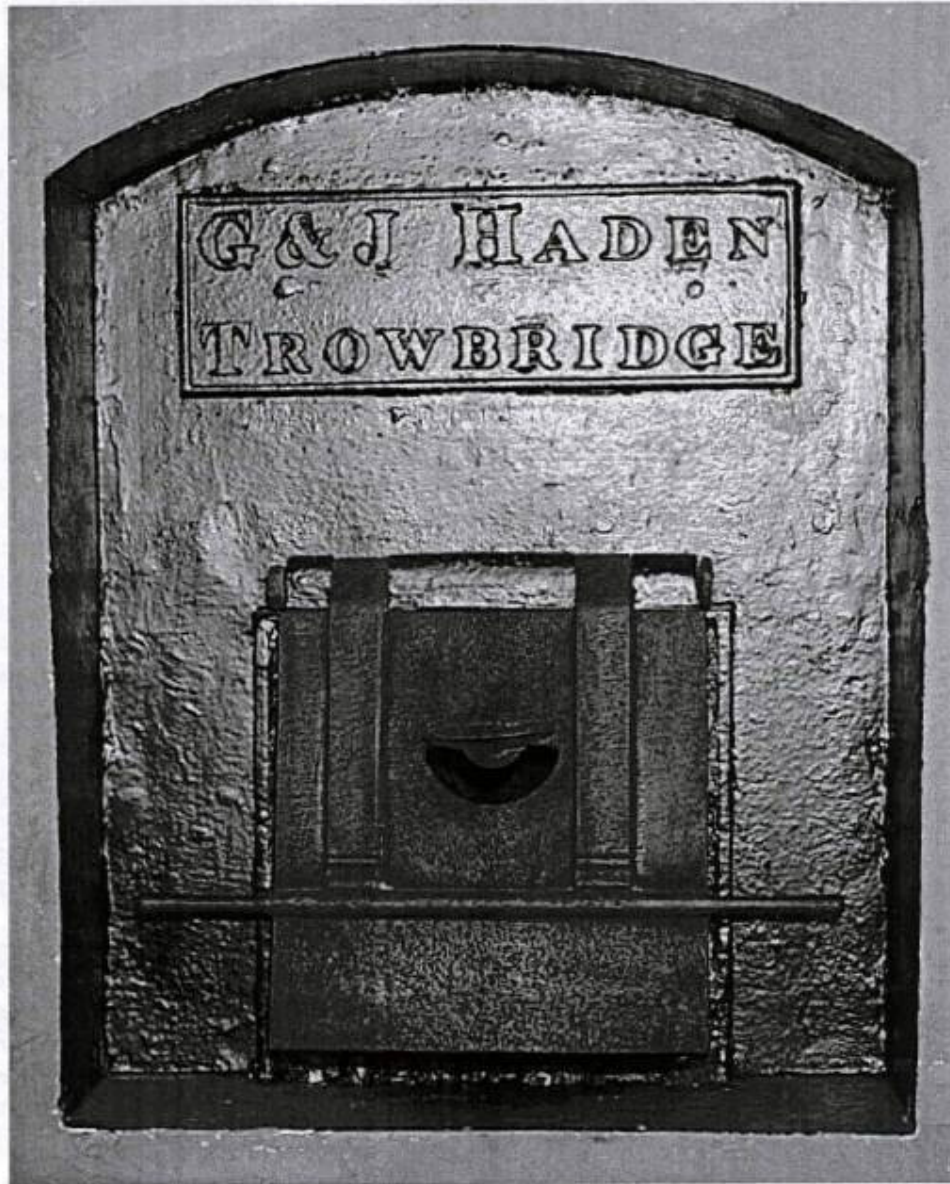


Windsor Castle Restoration (His Majesty's)

1826	June 10	To a Ventilating Warm Air Stove with fire shovel & pipes and carriage of D. to Windsor & J. Haden's time sitting it in the Castle to warm & ventilate the staircase & passage in Augustus Tower & part of Long Gallery.	60	16
		To a Stove to warm & ventilate the staircase & passage in his Majesty's Bed Room Tower & part of the Long Gallery (East Side)	60	
		J. Haden's time (18 days at 10 ^s per day) superintending the building of a new and two passages for D.	9	
		To a Stove and time fixing it to warm and ventilate his Majesty's private Entrance staircase & part of the passage in South East Tower &c.	60	
			<u>189</u>	

(From "Haden 150 Years," 1966: CIBSE Heritage Group Collection)

Erddig Hall, The National Trust, Nr Wrexham, Wales



Front plate of warm air stove erected by James Haden, August 1826

(From "Haden Family Letters")

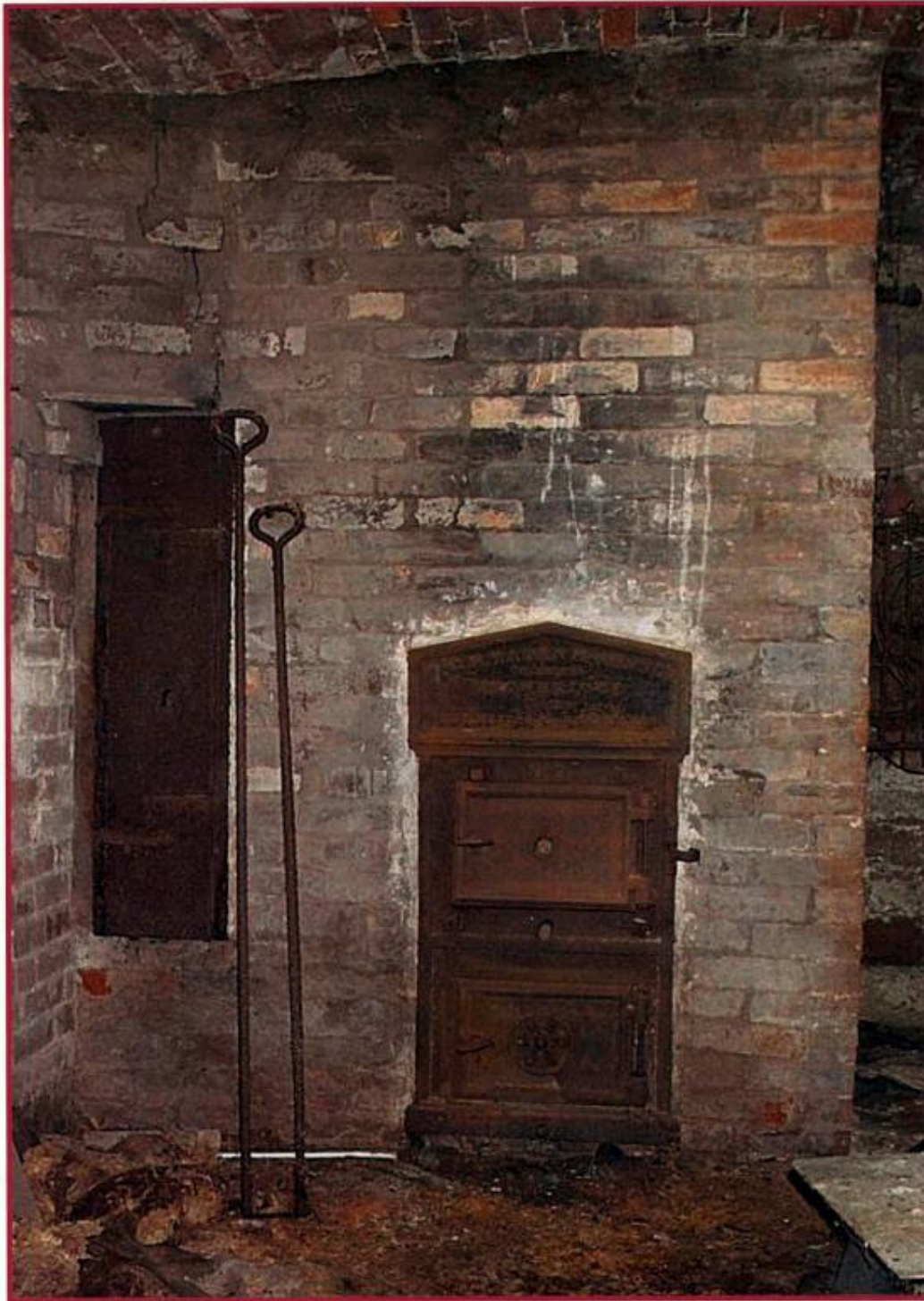


*Dinton House (now Philipps House) Dinton Park, Wiltshire
Architect Jeffry Wyattville [FJF]*



1830 G & J Haden installed a kitchen stove with a baking oven in Dinton House [FJF]

(From "Hadens of Trowbridge")



1860 G N Haden stove, Size 2, Serial 1907
Holy Trinity Church, Ventnor, IoW
Architect C E Giles of Taunton [FJF]

(From "Hadens of Trowbridge")



*Haden stove date unknown
Discovered being used as a post box
Not far from Tyntesfield House, Wraxall, near Bristol [FJF]*

(From "Hadens of Trowbridge")



WILLIAM NELSON HADEN
1859-1946



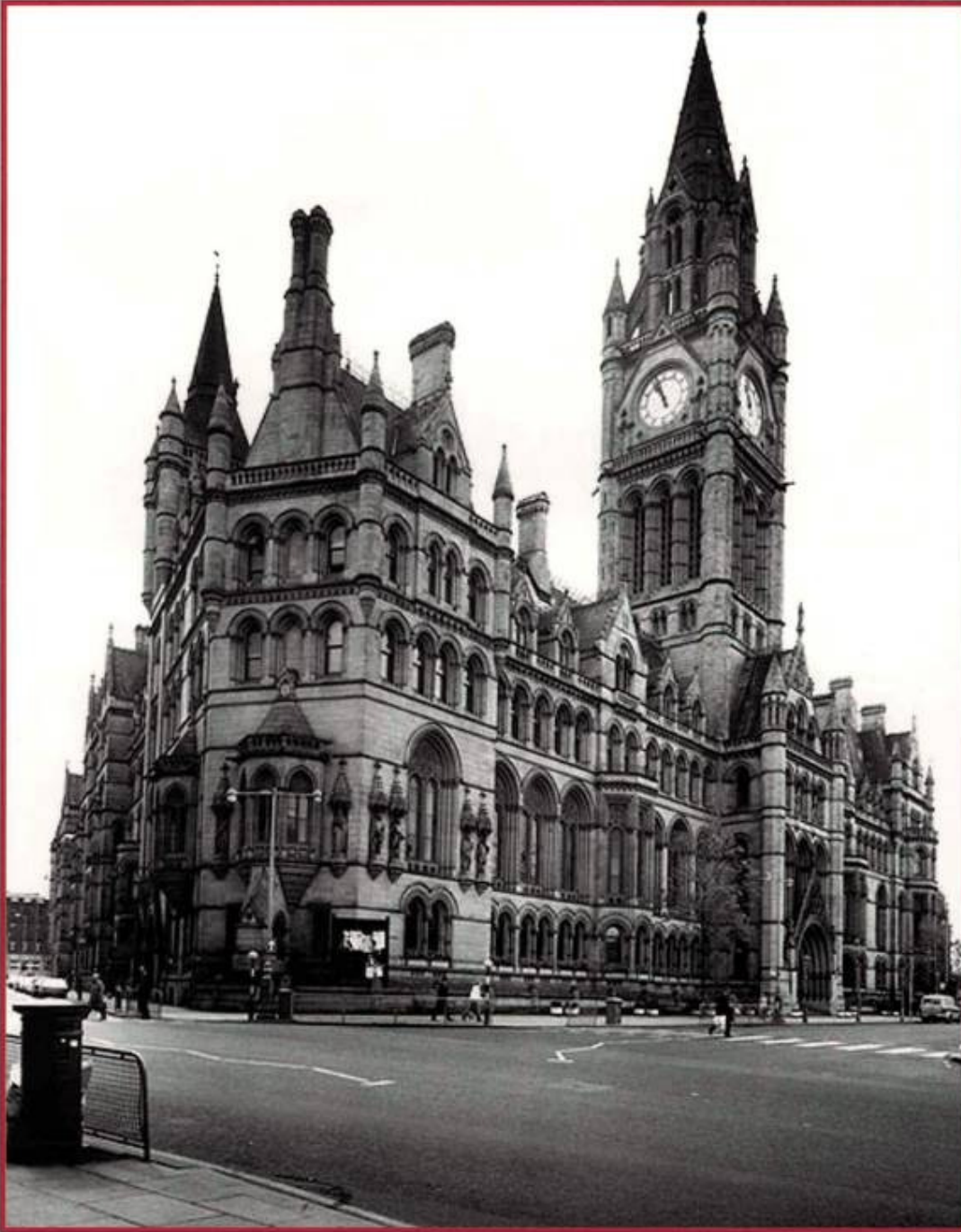
President IHVE 1906-07

William Nelson Haden was born in Trowbridge on the 10th March 1859, one of the three sons of George Nelson Haden, and was educated at Oakley House, Caversham. When George Nelson died in 1892 he left the Company to his sons. Of Joseph Poynton, the oldest, little is known and his younger brothers, William and Charles Ingham, managed the business. William was apprenticed to G N Haden & Son in 1875, became a Partner in 1892 and Chairman in 1919 serving until his retirement in 1933, a total of 58 years with the firm. He joined the Institution of Heating and Ventilating Engineers in 1902 and served as President in 1906 and 1907. He was Honorary Treasurer for 34 years from 1909 to 1943 and served on numerous committees. The William Nelson Haden Fund was instituted in 1943 to provide scholarships and assistance to students training in the industry. He was presented with the Gold Medal in 1942 in recognition of his valuable services rendered to the Institution. He served as President of the Association of Heating, Ventilating and Domestic Engineering Employers (now the HVCA) for 1919-20. He was also a Member of the Institution of Mechanical Engineers from 1904.

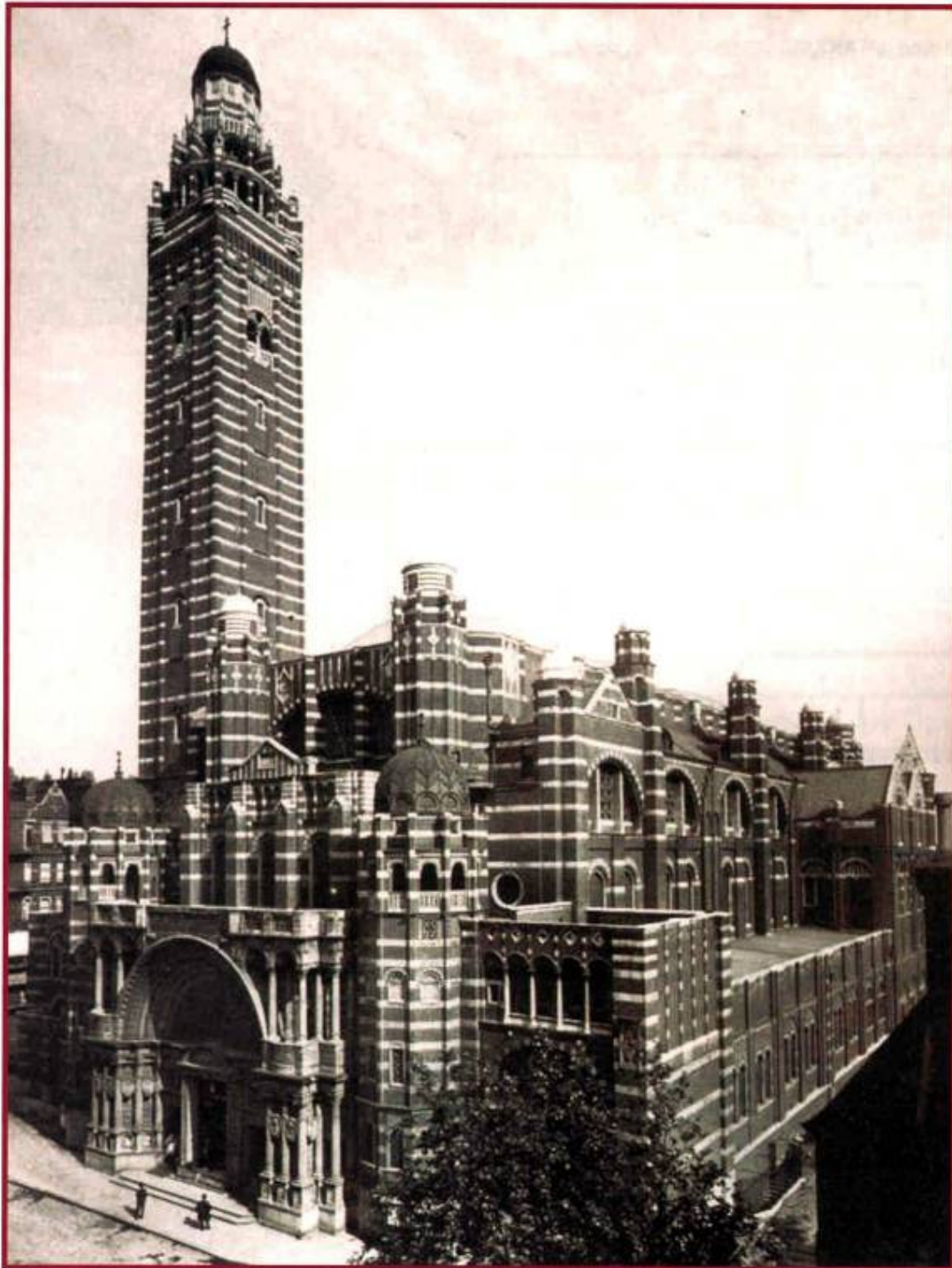
"Mr William" greatly enlarged the firm's activity in heating by air and by hot water circulation. He was an early advocate of centralised heating, hot water supplies and steam services, in very large and scattered institutions and one of the pioneers in the utilisation of exhaust steam from private generating plants in hospitals and asylums. Although the headquarters of the Company moved to London, he lived all his life in Trowbridge, Wiltshire being appointed a Justice of the Peace for Wiltshire in 1897, then Chairman of the Trowbridge Bench from 1920 to 1936. From 1899 to 1908 he was a member of the Urban District Council and in 1928 was elected to the Wiltshire County Council.

An obituary by W W Nobbs (IHVE President in 1920) recalls the encouragement given to him by "Mr William" and commented, "I think a clue to his character, in spite of his commanding position in industry and civil affairs (was that) he was most approachable and always ready to give sound advice whenever, but not until, it was sought. However momentous or contentious the occasion I never heard him once raise his voice. On the contrary, the modest manner adopted in expressing his own opinion carried conviction, but behind that almost apologetic attitude was an inflexible will that would not be bent by extraneous considerations.....He did not drink intoxicants himself, but as head of any table at which he was sitting he saw to it in his own unobtrusive way that whatever you fancied was on the table. One other clue to a character respected and admired by all who knew him, is that to the best of my knowledge, no one ever ventured to tell him a vulgar story." He died in London on 28 April 1946.

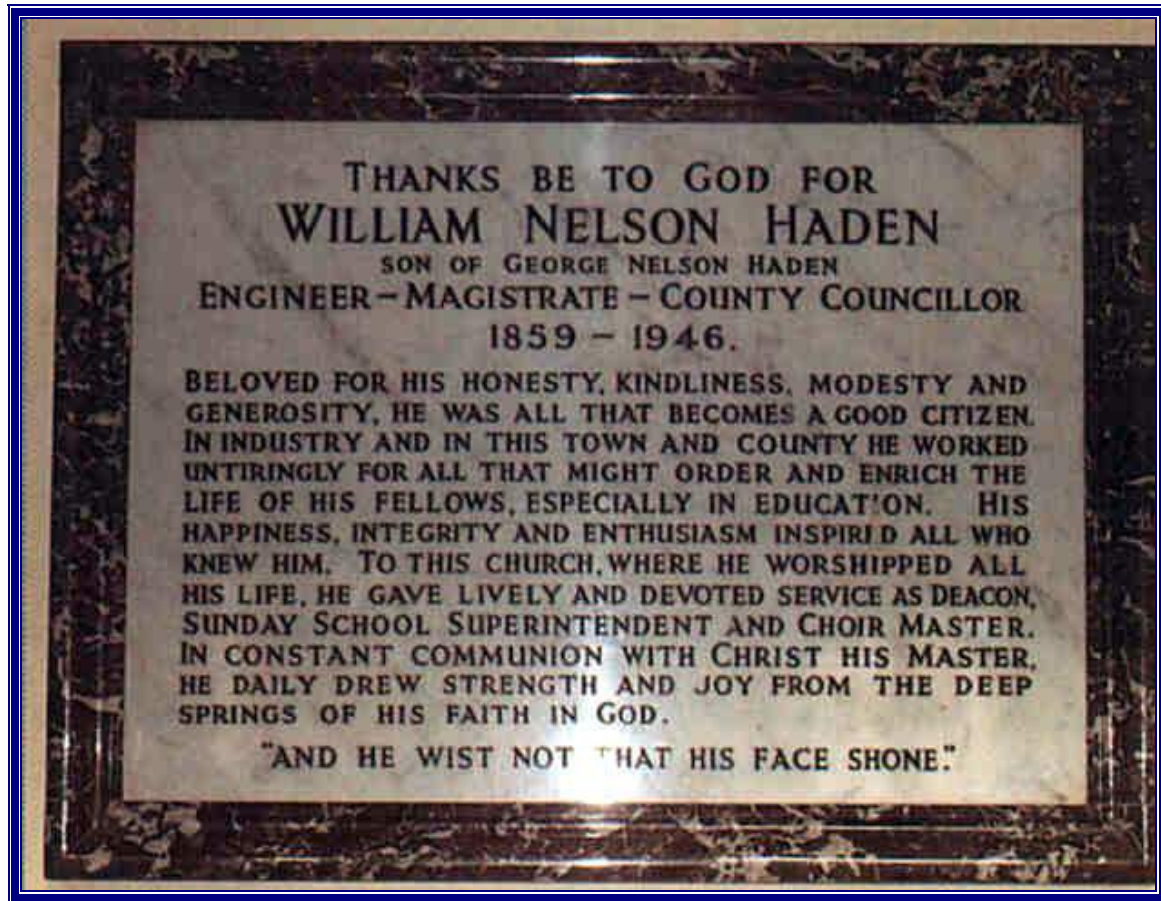
(Text & pictures from "Hadens of Trowbridge," Frank Ferris, Brian Roberts & Paul Yunnice, Haden Young, 2004)



*1877 Manchester Town Hall
Hot water heating by G N Haden & Sons Ltd
- Architect Alfred Waterhouse*



*Built 1903 Westminster Roman Catholic Cathedral
Heating upgraded to oil firing by G N Haden & Sons Ltd in 1927
The campanile is 284 feet tall
Architect John Francis Bentley*



THANKS BE TO GOD FOR
WILLIAM NELSON HADEN
SON OF GEORGE NELSON HADEN
ENGINEER - MAGISTRATE - COUNTY COUNCILLOR
1859 - 1946.

BELOVED FOR HIS HONESTY, KINDLINESS, MODESTY AND GENEROSITY, HE WAS ALL THAT BECOMES A GOOD CITIZEN. IN INDUSTRY AND IN THIS TOWN AND COUNTY HE WORKED UNTIRINGLY FOR ALL THAT MIGHT ORDER AND ENRICH THE LIFE OF HIS FELLOWS, ESPECIALLY IN EDUCAT'ON. HIS HAPPINESS, INTEGRITY AND ENTHUSIASM INSPIRED ALL WHO KNEW HIM. TO THIS CHURCH, WHERE HE WORSHIPPED ALL HIS LIFE, HE GAVE LIVELY AND DEVOTED SERVICE AS DEACON, SUNDAY SCHOOL SUPERINTENDENT AND CHOIR MASTER. IN CONSTANT COMMUNION WITH CHRIST HIS MASTER, HE DAILY DREW STRENGTH AND JOY FROM THE DEEP SPRINGS OF HIS FAITH IN GOD.

"AND HE WIST NOT THAT HIS FACE SHONE."

Memorial tablet in Tabernacle Church, Trowbridge