

CIBSE HERITAGE GROUP

Newsletter No.48 December 2022

website www.hevac-heritage.org



This Newsletter marks the completion of Forty-Nine years since the Heritage Group was established in 1973. We look forward to celebrating Fifty years of operation in 2023, being the oldest of the CIBSE Special Interest Groups.

Over the years, the Heritage Group Committee and its Members has been composed of engineers, educationalist and environmental experts from design-contractors, consultants, manufacturers and operators; from trade associations, universities, museums and heritage organisations. These have included BSRIA, HVCA (now BESA), ASHRAE, Science Museum, National Trust and particularly English Heritage and Historic England. We also have International Representatives in Australia, France, Italy, the Netherlands and USA.

This Newsletter shows just a few examples from the historic books and documents in the Heritage Group Archives, now stored in the Architectural Library at Cardiff University.

ADMIT BEARER

THE

 AUTUMN MEETING 

OF THE

Institution of Heating & Ventilating Engineers

WILL BE HELD AT

THE ALBION HOTEL, LUDGATE CIRCUS,

On October 12th, 1898, at 7 o'clock in the evening.

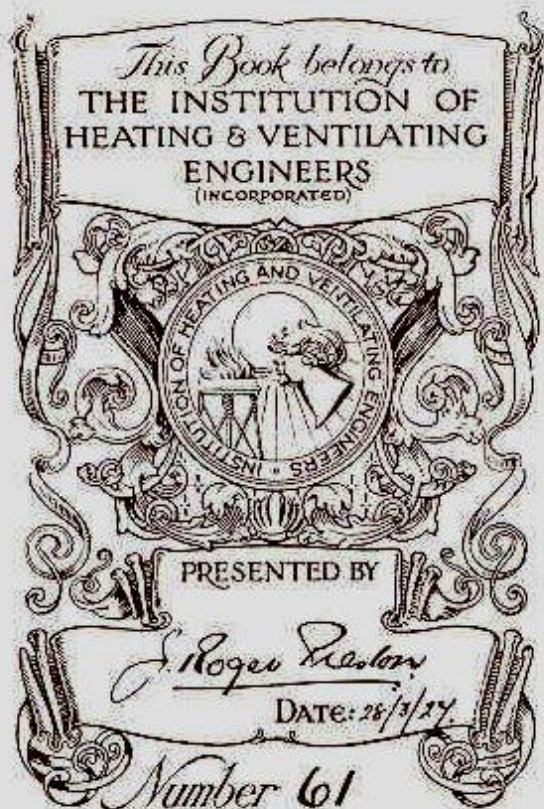
It is hoped that the chair will be taken by J. GRUNDY, Esq., President.

Papers to be read, are as follows :

"Mechanical Systems of Heating and Ventilating in use in America,"
by PROFESSOR CARPENTER, of New York, U.S.A.

"Heating and Ventilation," by WALTER JONES, Esq. (Messrs. Jones & Attwood),
Stourbridge.

LUWEE HARRIS, Sec.,
29, Ludgate Hill, E.C.



9. IHVE Library Bookplate No. 61. *The Mechanical Production of Cold*. Sir J A Ewing, CLIP 2nd Edit, 1921. Presented and signed 28/3/27 by J Roger Preston (President 1929).

Early Beginnings

Edmund William Mayner is regarded as "Father of the Institution of Heating & Ventilating Engineers". He was probably the first member and the first practising heating engineer to join. In 1896, J Kemsley, Secretary of the Institute of Sanitary Engineers, proposed that a society be formed to foster the heating and ventilating trades. Mayner was at that time a Member of Council of the Institute and appears to have been largely responsible for setting up the IHVE. He never occupied the Presidential Chair, preferring to hold the post of Chairman of an Executive Committee. It is almost certain that he recruited Walter Jones, D M Nesbit, W R Macguire, Louis F Pearson (later Sir), and George Crispin, all of whom came to the Chair after John Grundy, the first President.

The original prospectus of the Institution dated



10. Souvenir of IHVE First Past-Presidents' Meeting, 1923. (From top, clockwise) Geo Crispin 1905, H H Grundy 1915, Walter Yates 1909, Frank Biggin 1921, A H Barker 1922, W W Nobbs 1920, Charles Hornball 1912, John Watson 1923, W Nelson Haden 1906/7, Edgar Herring 1918/19, A B Simpson 1908, Sam Naylor 1916/17.

December 1897 was sent out by the Secretary, Luwee Harris, from offices at 29 Ludgate Hill. It lamented the state of the science of heating and ventilating in this country, comparing it unfavourably with the recognition afforded it by the Americans and Canadians noting that on this side of the water "to the public the science of Heating is almost unknown, and Ventilation exists largely in the imagination." This was the first serious attempt to organise the profession.

John Grundy came from City Road, London. He was a boiler manufacturer of some eminence (like many early members). The objectives set at this time were "to promote the intellectual welfare of its members by periodical meetings, to read, consider, and discuss papers or problems on Heating, Ventilating or other kindred subjects, and so take such measures to extend, develop or safeguard the interests of these important trades, as may be considered desirable or expedient."



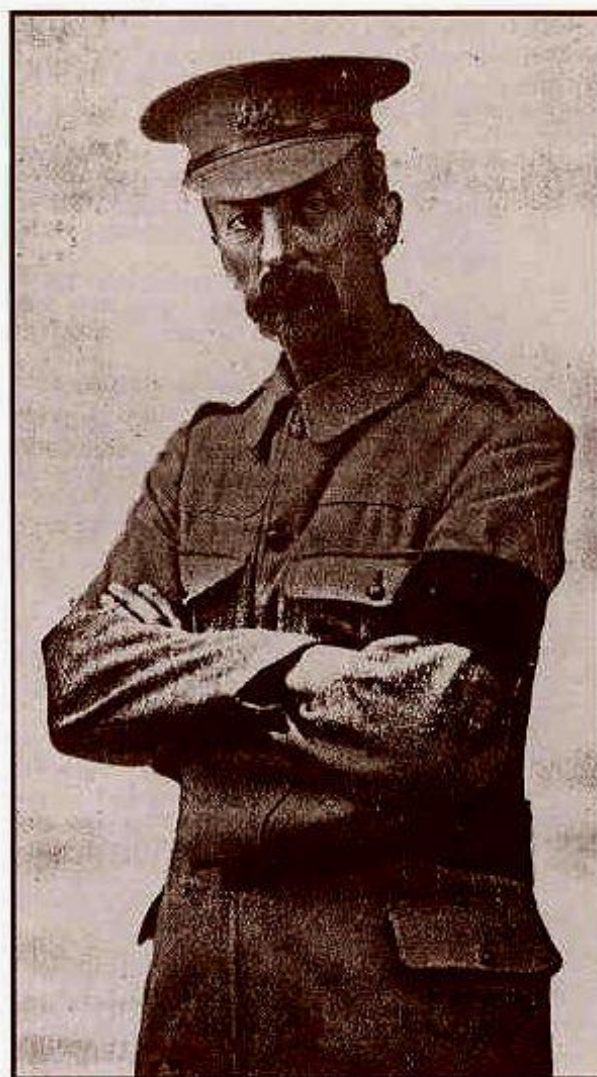
12. Leon Gaster, First Hon. Secretary of the IES, 1909.
Founder and editor of *The Illuminating Engineer*. *Illum Engr*, X XI, 1917.



11. Magazine Masthead: *The Illuminating Engineer*, founded 1908. Notice the types of lighting in the scroll design.

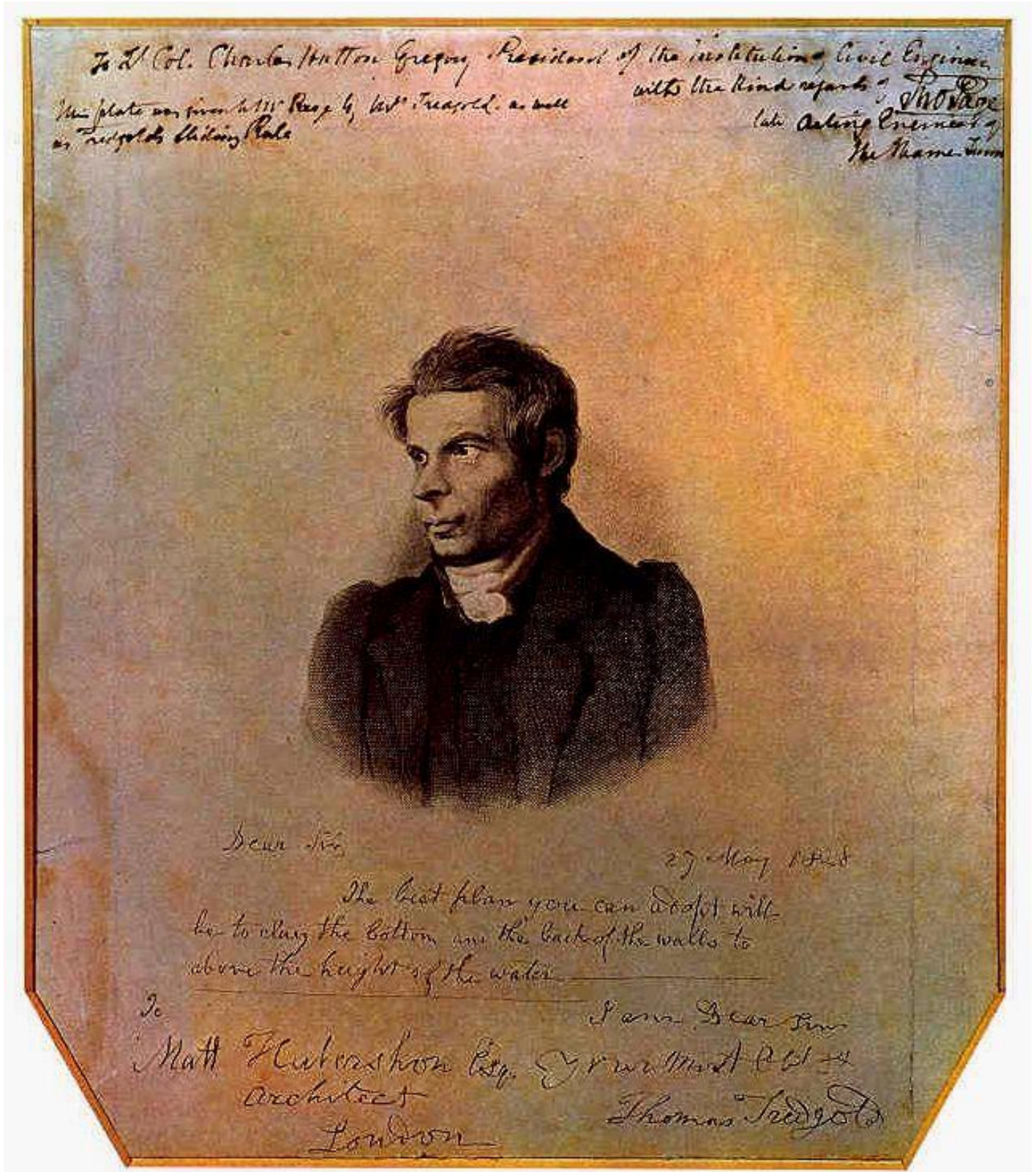
Let There Be Light

The Illuminating Engineering Society was founded in 1909 by a small enthusiastic group consisting of lighting engineers, architects, electrical and gas engineers. The credit for the formation of the Society must go to Leon Gaster, a consulting engineer, who arranged an informal meeting at which he said, "In advocating the formation of such a Society we have no desire to do more than provide a common platform where all those interested in illumination may be able to express their views in a free and informal manner, and membership of such a Society cannot, at the present time, be regarded as any claim to professional distinction. We naturally hope that in time to come when the subject of illumination has been thrashed out in detail to a far greater extent than at present, 'expert illuminating engineers' will have a professional existence...."



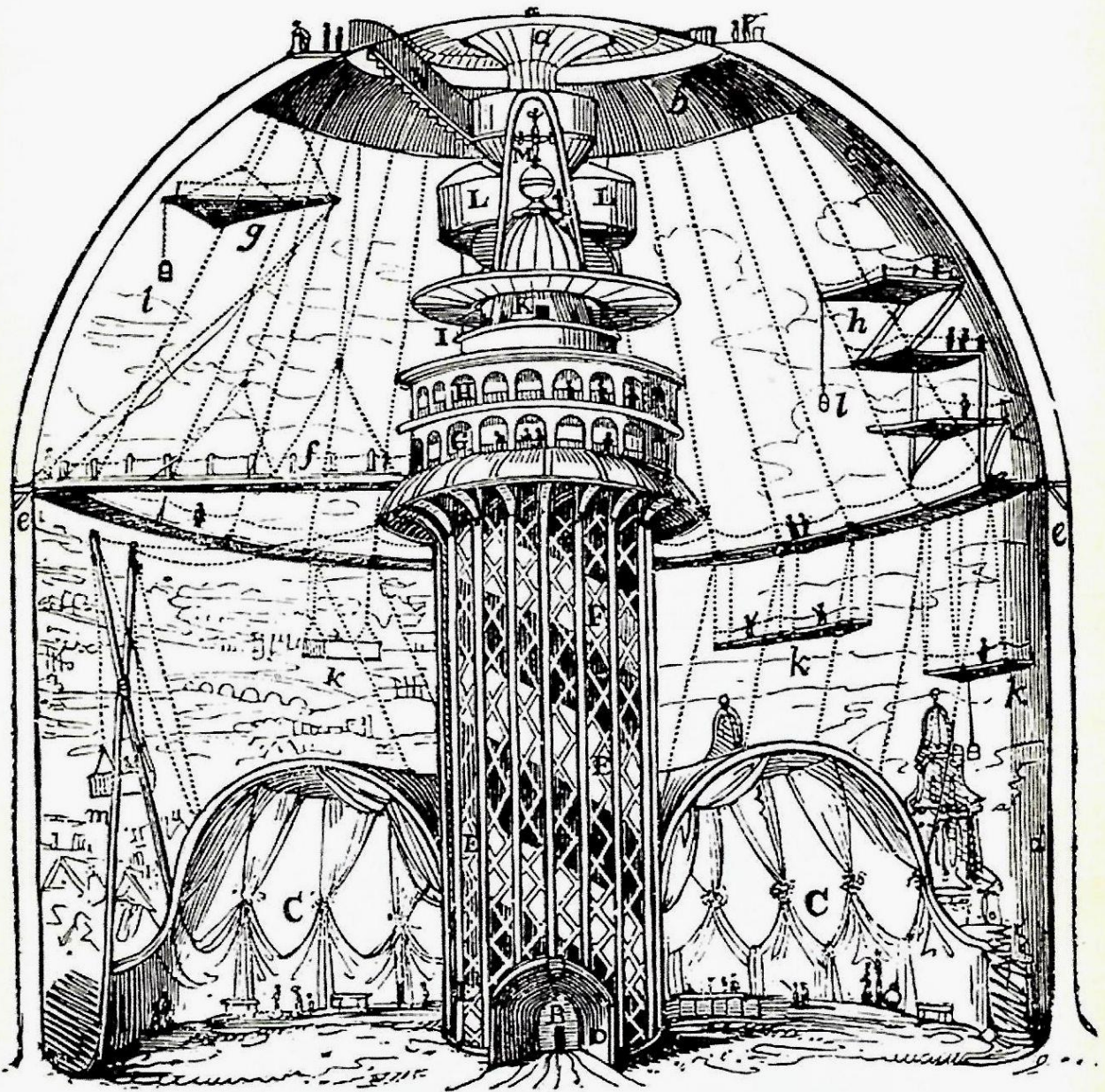
13. Alexander Pelham Trotter 1857/1957. President IES 1917, in uniform as Private 2474, C Company, Vth Battalion of the National Guard City of London Volunteer Regiment. In association with Sir Wm Preece, he was a pioneer in illumination-photometry. *Illum Engr*, X XI, 1917.

THOMAS TREDGOLD 1788-1829



Author of Principles of Warming and Ventilating Public Buildings

INTERIOR OF THE COLOSSEUM.



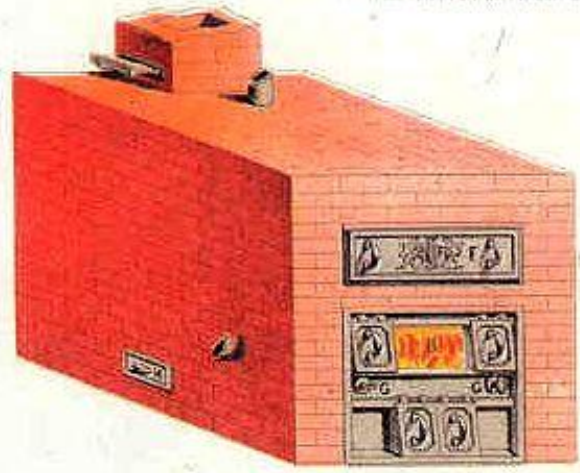
References to the Engraving.

- A. Column or Tower in the centre of the building, for supporting the Ascending Room, &c.
- B. Entrance to the Ascending Room.
- C. Saloon for the reception of works of art.
- D. Passage leading to the Saloon, Galleries, and Ascending-Room.
- E. F. Two separate Spiral Flights of Steps, leading to the Galleries, &c.
- G. H. I. Galleries from which the Picture is to be viewed.
- K. Refreshment Room.
- L. Rooms for Music or Balls.
- M. The Old Ball from St. Paul's Cathedral.
- N. Stairs leading to the outside of the Building.
- a. b. Sky-lights. c. Plaster Dome, on which the sky

is painted. d. Canvass on which the part of the picture up to the horizon is painted. e. Gallery, suspended by ropes, used for painting the distance, and uniting the plaster and the canvass. f. Temporary Bridge from the Gallery G to the Gallery e, from the end of which the echo of the building might be heard to the greatest advantage. g. One of Fifteen Triangular Platforms, used for painting the sky. h. Platforms fixed on the ropes of the Gallery e, used for finishing and clouding the sky. k. Different methods for getting at the lower parts of the canvass. l. Baskets for conveying colours, &c. to the artists. m. Cross or Shears, formed of two poles, from which a cradle or box is suspended, for finishing the picture after the removal of all the scaffolding and ropes.

BOILER MAKERS HARTLEY & SUGDEN 1872

HARTLEY & SUGDEN'S
 IMPROVED WROUGHT WELDED SADDLE BOILER
 TO WHICH THE
GOLD MEDAL.
 WAS AWARDED AT THE
 ROYAL HORTICULTURAL SOCIETY'S SHOW,
 AT BIRMINGHAM, JUNE, 1872

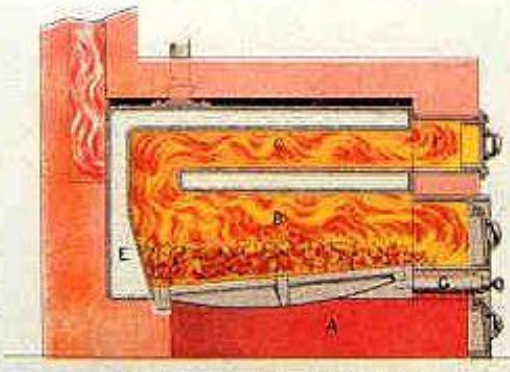


ELEVATION IN BRICKWORK

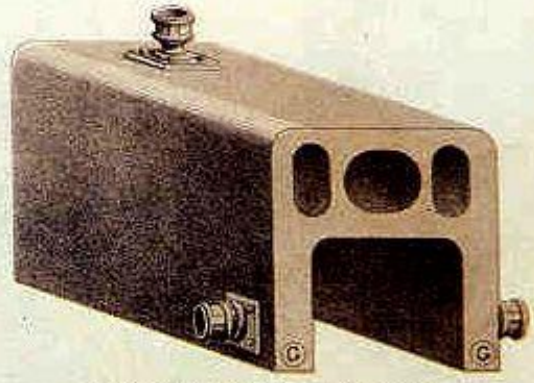
"GOLD MEDAL BOILER"
 REGISTERED TITLE



CROSS SECTION



LONGITUDINAL SECTION



ELEVATION WITHOUT BRICKWORK

- A Ashes Pit
- B Fire
- C Centre Flue
- D Right & Left Return Flues
- E Water-way Terminal End
- F Sliding Soot Door for Cleansing Flues, with Fire Brick Casing
- G Sludge Plugs for cleansing internal part of Boiler
- H Regulating Flues
- I Hollow Space round Boiler utilizing Heat given off from external surface of Boiler.

ENTERED AT STATIONERS' HALL.

THE ONLY MAKERS OF INCANDESCENT ELECTRIC LAMPS IN THE UNITED KINGDOM.

Patents upheld by two decisions

THE EDISON & SWAN UNITED ELECTRIC LIGHT COMPANY LIMITED
79, VICTORIA STREET, LONDON, S.W.

THE
EDISON & SWAN
UNITED
ELECTRIC LIGHT COMPANY
LIMITED

Edison & Swan Ltd



William Sugg & Co Ltd at the Crystal Palace Gas Exhibition in 1887

The huge fitting suspended from the roof of the building [middle left] is a 1200 Candle Power Argand lamp. The stand corner canopy banner proclaims "Only Gold Medal for Gas Burners, Paris 1878."

G. N. HADEN & SONS,
Engineers.

MANUFACTURERS OF
HEATING & VENTILATING APPARATUS.

ORIGINAL PATENTEES OF
 **THE EXPANSION JOINT.** 

Buildings of every description treated according to their special requirements,
and success guaranteed.

HEATING
BY HOT WATER, WARM AIR, COMBINED AIR AND WATER, AND STEAM.
VENTILATION
BY MECHANICAL OR AUTOMATIC ARRANGEMENTS.

Other branches of Engineering Work carried out,
including Hot Water Service, Laundry and Cooking Work,
Engines, Pumps and Cold Water Supply,
Hydrant Service, &c. &c.

HOT WATER RADIATORS of special designs.

PLANS AND ESTIMATES GIVEN.

Contractors to *H.M.* Government and the Crown Agents for the Colonies.

G. N. HADEN & SONS,
ENGINEERS,
TROWBRIDGE.

BRANCH OFFICES:—

LONDON	123 Cromer Street, W.C.
MANCHESTER	4 Albert Square.
BIRMINGHAM	Lower Temple Street.

THE BOYLE SYSTEM OF VENTILATION 1899

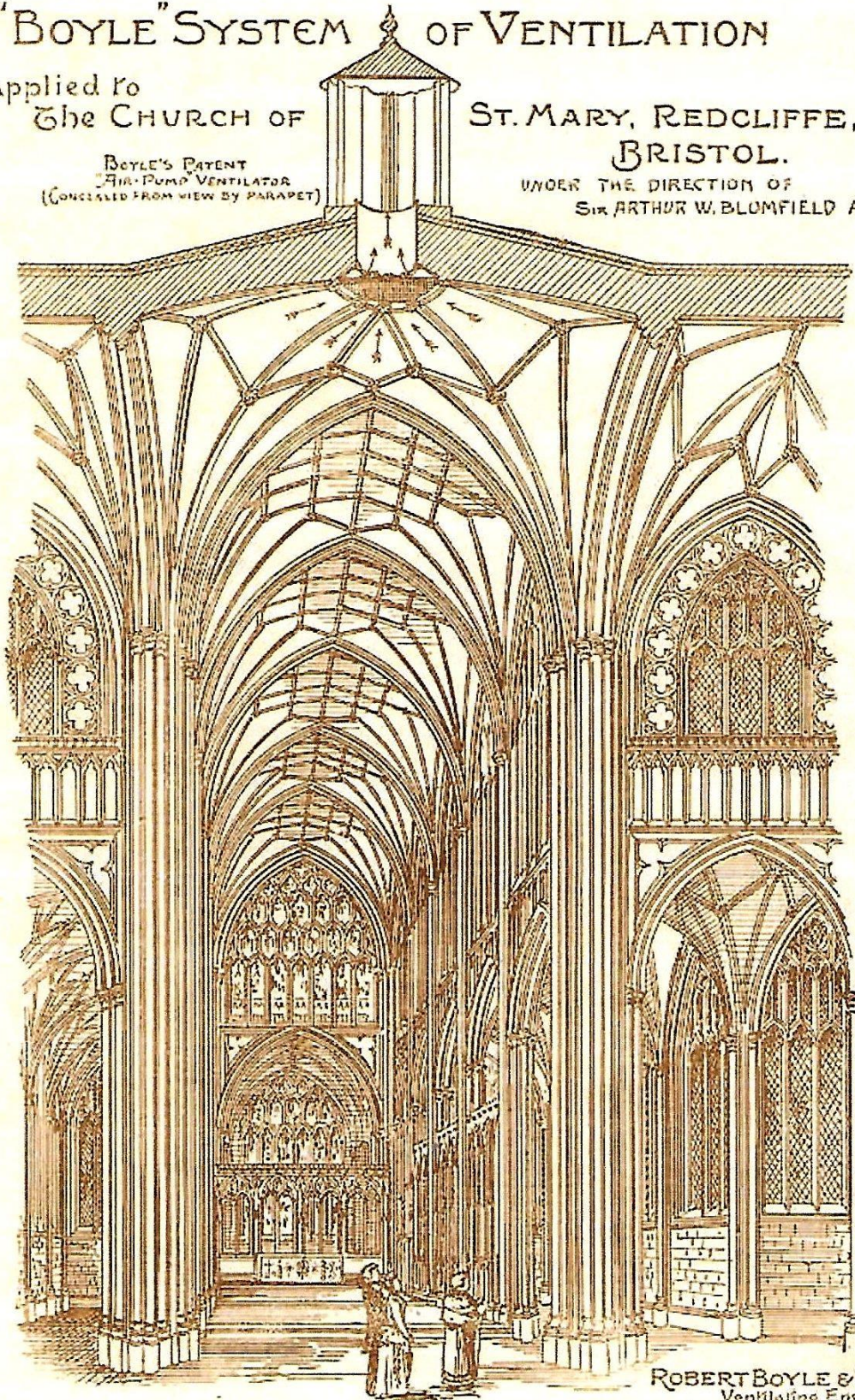
THE "BOYLE" SYSTEM OF VENTILATION

As applied to
The CHURCH OF

ST. MARY, REDCLIFFE,
BRISTOL.

BOYLE'S PATENT
AIR-PUMP VENTILATOR
(CONCEALED FROM VIEW BY PARAPET)

UNDER THE DIRECTION OF
SIR ARTHUR W. BLUMFIELD B.A.

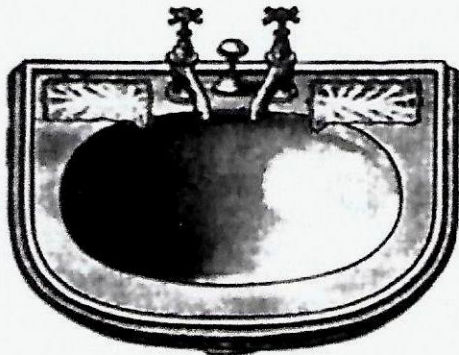


ROBERT BOYLE & SON, LTD.
Ventilating Engineers.
LONDON & GLASGOW.

"I have much pleasure in stating that your system of ventilation has answered admirably in the Church of St. Mary Redcliffe."—Rev. CHARLES E. CORNISH, *Vicar*, Church of St. Mary Redcliffe, Bristol.

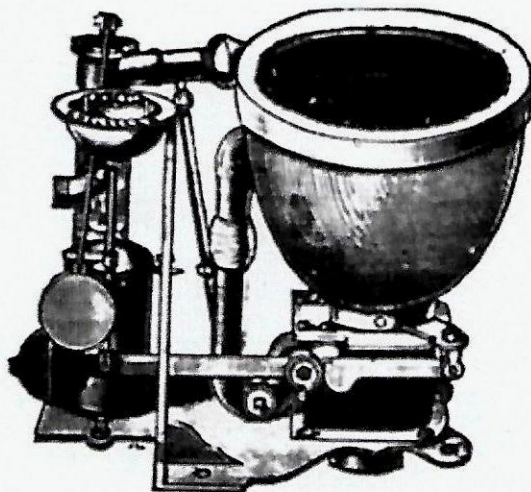
THOMAS CRAPPER & CO.'S

Sanitary Specialities,



IMPROVED LAVATORY BASIN.

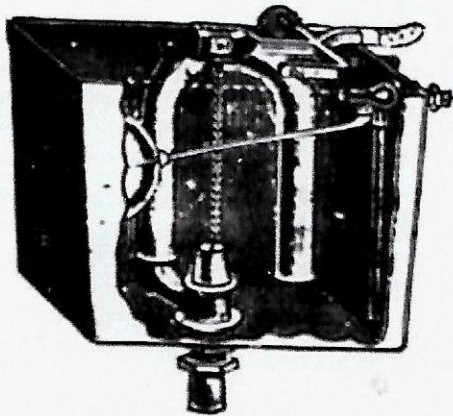
	£ s. d.
White Ware, fitted with combined Overflow and Waste, and $\frac{1}{2}$ Standard Screw-down Valves ...	2 19 6
Plated Fittings, Extra	0 8 6



ELASTIC VALVE CLOSET.

No. 78.—Valve Closet, with white china dish with gold lines, and handle, white ware flushing rim basin, 1 in. supply valve, copper air regulator, complete as shown.

	£3 9 6
If with $1\frac{1}{2}$ in. valve	Extra 0 3 6
" Ornamental Basin	" 0 3 6
" White and Gold Basin	" 0 8 9
" Box Enamelled inside	" 0 4 9
" Box fitted with Brass Top	" 0 6 3
" Box fitted with union to connect Ventilating Pipe	" 0 3 9
" 4 in. outlet	" 0 7 9



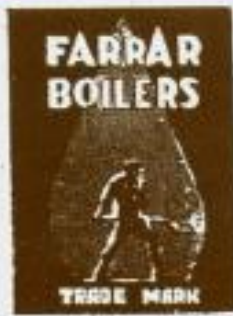
IMPROVED SYPHON Water Waste Preventer.

	£ s. d.
Cast-Iron 2 Gallon SYPHON WASTE PREVENTER, with Tranquil Inlet Valve, and Silencing Air Tubes, and Brass Chain and China Pull	1 1 6
Ditto, 3 gallon ditto	1 3 6

50, 52, & 54, MARLBOROUGH ROAD, CHELSEA, LONDON, S.W.

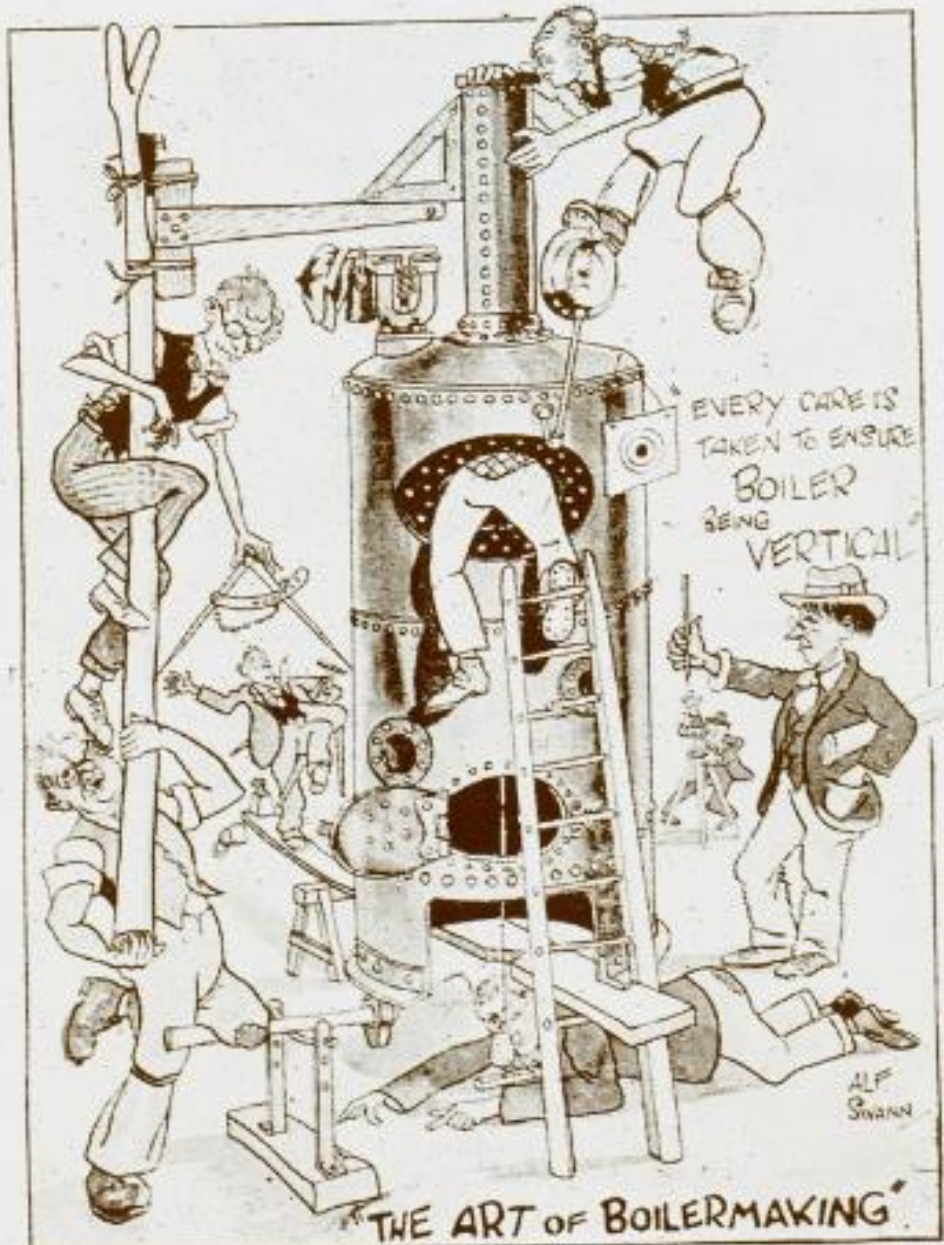
THE ART OF BOILER MAKING 1947

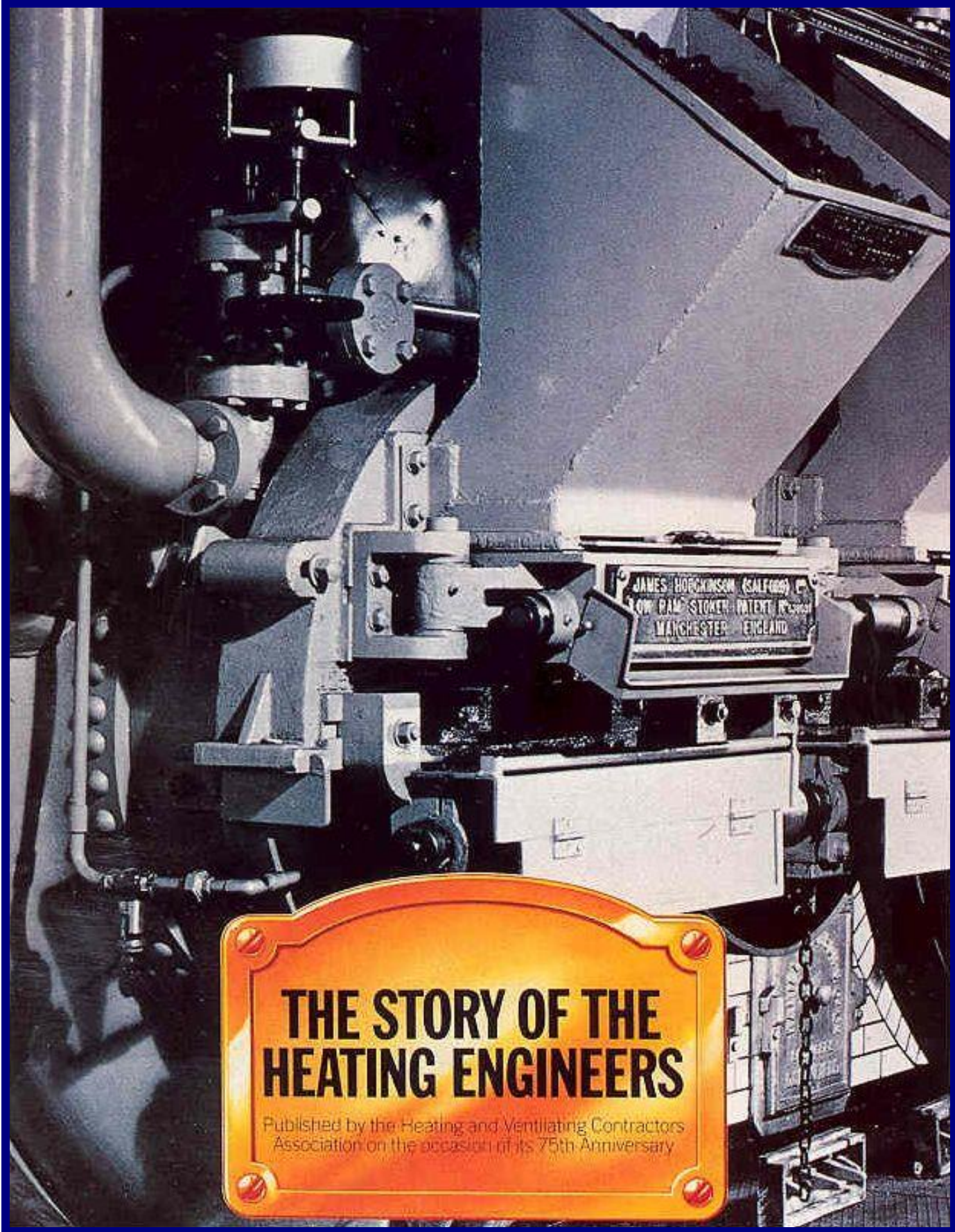
1887



1947

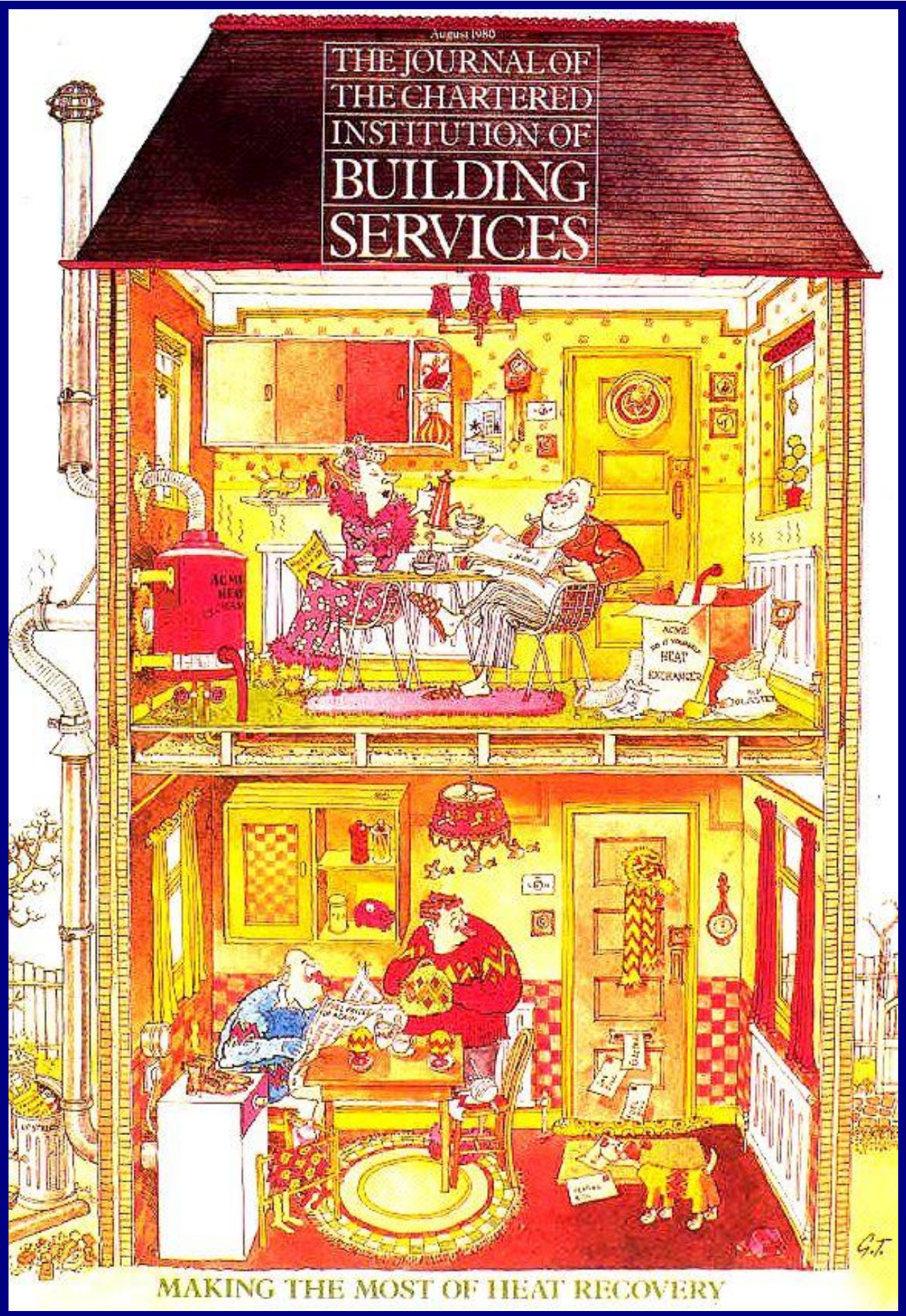
THE PUBLICATION OF THIS CATALOGUE
COMMEMORATES 60 YEARS DEVOTED
TO "THE ART OF BOILERMAKING"





THE STORY OF THE HEATING ENGINEERS

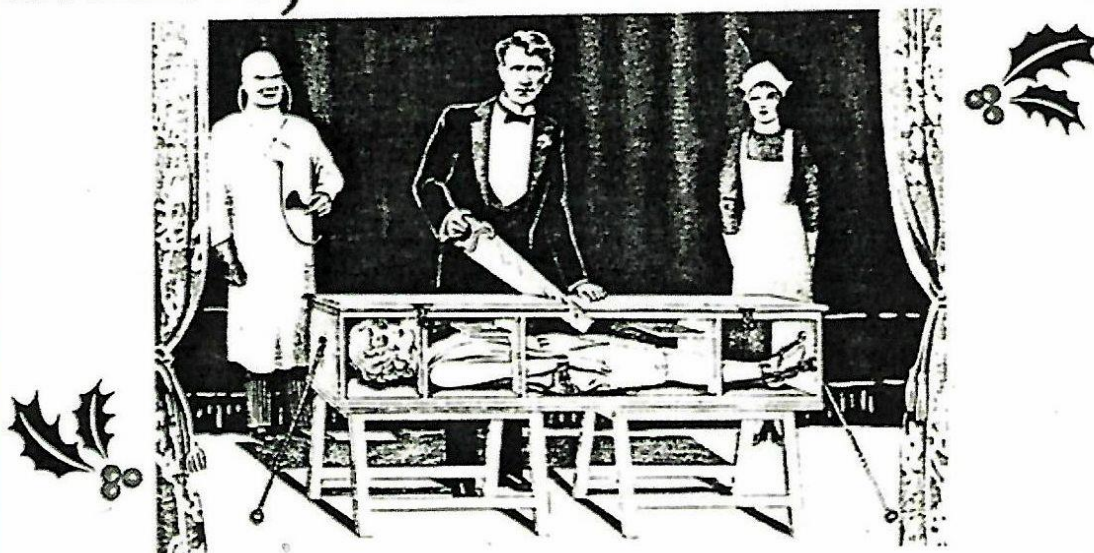
Published by the Heating and Ventilating Contractors Association on the occasion of its 75th Anniversary





THE BUILDING SERVICES ENGINEERING CENTRE - BALHAM

ROBERTO, WALSHINGHAM & BARNDINI



IN THEIR ELECTRIFYING EXTRAVAGANZA

"There's No Business Like Show Business"



OR



A REVUE OF BUILDING SERVICES IN THE THEATRE

ACT I - ALL THE WORLD'S A STAGE

The great originator Brian Roberto will describe the story of theatre lighting from Greek to Victorian times

ACT II - IN THE LIMELIGHT

The noted thespian Sir Richard Walsingham will discourse upon the wonders of the coming of the electric light and the revolution it created

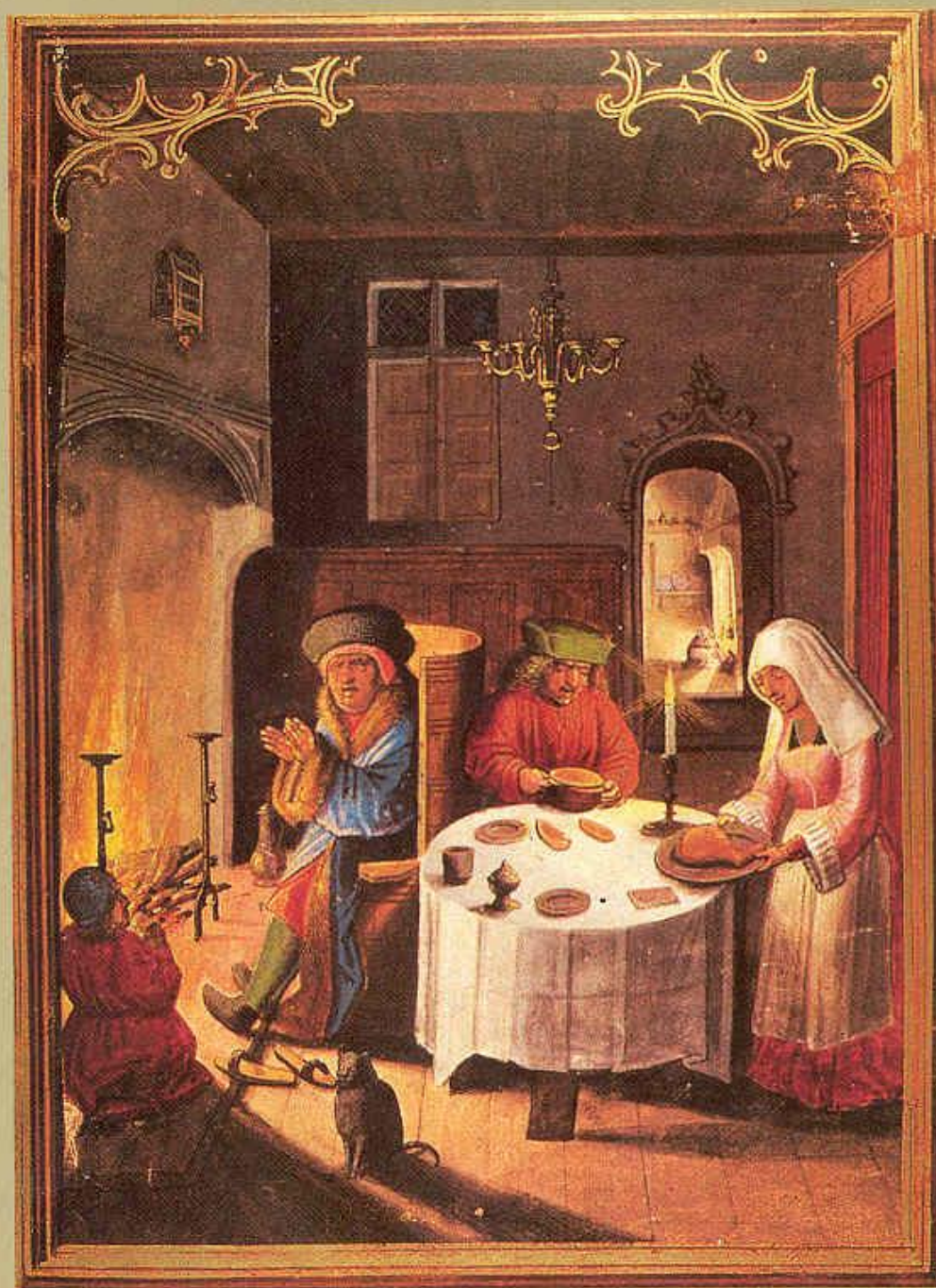
ACT III - GRAND FINALE

Magic wonders will be described by that wizard of illusion John Barndini

FOR ONE EVENING ONLY AT 6PM

WEDNESDAY 11 DECEMBER

ADMISSION, TEN POUNDS (£10.00)



The Quest for

COMFORT