

## LONDON

The metropolis of the United Kingdom of Great Britain and Ireland stands on the Thames, which is crossed by eight bridges, and under which a tunnel has been driven; extends from Woolwich and Bow to Fulham and Hammersmith, and from Highgate to Norwood, including the cities of London and Westminster, with their liberties, and the towns, parishes, &c. &c. which cover this vast area.....

The public edifices are innumerable....St Paul's Cathedral stands pre-eminent amongst these.... Many of the other churches are very noble buildings, but most of them are in by-streets, and scarcely any are built on the Gothic model, which prevails throughout the country, some of them, even, being express imitations of Roman and Grecian temples.

The City of London ....is under the control of a corporation, of enormous wealth; whose practical inefficiency, and steadfast resistance of all reformation or change, are matters of painful notoriety.

### THE CITIES OF LONDON AND WESTMINSTER

#### THE CITY

##### ST PAUL'S CATHEDRAL [7/H9]

Ludgate Hill

The spire of the Old St Pauls with a height of 498 feet became the highest structure in the world after the central spire of Lincoln Cathedral fell in a storm in 1548. It only held this title until June 1561 when it was struck by lightning and destroyed. The Cathedral was rebuilt after the Great Fire of 1666, construction taking from 1675-1711,

*Sir Christopher Wren* worked on the Cathedral for 42 years.

Heating by The London Warming & Ventilating Co Ltd, Regent Street, London, using Gurney warm air stoves, installed before 1897

Later, heating by G N Haden & Sons, also using warm air stoves, installed c.1910. Then post-war (WWII) Haden installed low pressure hot water heating with radiators, designed by J R Kell of Oscar Faber & Partners. There is a note on the heating of St Pauls {SIHVE, 1952}. After describing early systems for churches in general, including greenhouse pipes, hot-air stoves, slow-combustion stoves, and the Perkin's system, it continues, "Next came gravity-circulated pipe-and-radiator systems and, later, pump-accelerated systems: there were also combinations of the various systems, as, for instance, in St Paul's

Cathedral, where the heating of the lower part of the main space is by means of warm air, while the upper levels, also the crypt, have radiators. There are two boiler-houses and the system is the same for each, ie. the boilers heat water for the radiator systems, and the flue gases then pass through a heat exchanger built into the brickwork. Air passing through the heat exchanger (originally drawn by fans, but these are long since defunct) finds its way along the vaulting in the crypt and escapes into the Cathedral through bronze grids in the floor. The effect is felt only for a short distance from each boilerhouse, and the combined systems can maintain a temperature of only some 40-45° F in winter." Data from 1952: heated cube 5.55 x 10<sup>6</sup> ft<sup>3</sup> including dome, requiring 0.72 Btu/ft<sup>3</sup> (4 million Btu/h) {BMR}

[] BS/L1, 155-183 (P); BE/LC1, 155-83 (P); CA, 60-6 (P); CAEW, 66-80 (3Ve, 4Vi); CE/S, 126-44 (P from TB.1892); Clifton-Taylor, 270 (P); Cormack, 68-73; Dye, 22 (ad) & 397 (diagram of heating); Faber, 35; HA: SIHVE, 73; WRO.1325/167 description of Haden's work

##### ST ANDREW HOLBORN [6/E7]

St Andrew's Street, Holborn Viaduct

Built mid-C15, rebuilt 1684-90 *Sir Christopher Wren* bomb damaged in war, reopened 1961

Heating by A M Perkins, London, Perkin's system of high pressure hot water small-bore heating, installed between 1834-40

[] BE/LC1, 190-2; GAL, 108; JB, 358; Perkins, 27

##### ST MARGARET LOTHBURY [7/K8]

Built 1686-90, *Sir Christopher Wren*

Heating by A M Perkins, London, Perkins high pressure hot water small-bore heating, installed between 1834-40

[] BE/LC1, 233-5; GAL, 278; JB, 360; Perkins, 27

#### WESTMINSTER

##### WESTMINSTER ABBEY [9/P6]

##### COLLEGIATE CHURCH OF ST PETER

(ROYAL PECULIAR)

Off Parliament Square

Built 1245-69, originally abbey church, made a

cathedral by Henry VIII but only for ten years

Remodelled 1849-78 & 1878-97, *Sir George*

*Gilbert Scott* and *John Loughborough Pearson*

Heating by G N Haden & Sons Ltd, London

{BMR}

[] BE/L1, 395-49; CA, 69-84 (P); CAEW, 306-20 (3Ve, 6Vi); CE/S, 157-207 (P from BN.1909); HA: Watkin BA, 47 (P)

**METROPOLITAN CATHEDRAL CHURCH OF THE MOST PRECIOUS BLOOD, ST MARY, ST JOSEPH AND ST PETER (RC) [9/K7]**

Ashley Place, Victoria Street  
Built 1893-1903, *John Francis Bentley*  
Previously the site of the Westminster Bridewell  
The campanile is 284 feet tall  
Heating by G N Haden & Sons Ltd, London  
[] BE/L1, 480-5; CA, 84-87 (P); CE/S, 208-13 P  
from RIBA.1896; Curl VC, 40-42: HA

**ST JAMES-THE-LESS [9/M9]**

Thorndike Street  
Originally listed as Garden Street, Pimlico  
Built 1860-1, *George Edmund Street* interior  
(polychrome brickwork) considered one of Street's best  
Heating by G N Haden & Son, type of system unknown, but prob. warm air stoves, installed c.1860  
[] BE/L1, 491-2; Curl VC, 70-3; Jenkins, 419-20; TBL.1861/411 (P, Ve) & 1862/187 & 411 (Vi)

**ST STEPHEN ROCHESTER ROW [9/M7]**

Vincent Square  
Built 1847-9, *Benjamin Ferrey* [17] described as one of the most significant ecclesiastical buildings of the early Revival  
Heating by\*  
[] BE/L1, 501; Curl VC, 56-7 (Vi); JB, 372

**WESTMINSTER CHAPEL [9/L6]**

Buckingham Gate, previously James Street  
Built 1864-5 by George Myers & Son, Lambeth  
*W F Poulton*  
Heating by G N Haden & Son, Haden's warm air system, installed 1864  
[] BE/L1, 503; TBL.1864/722-3 (P, Ve)

**NORTH LONDON**

except The City & Westminster  
**ALL SAINTS [5/K8]**  
Margaret Street, near Cavendish Square  
Westminster (St Marylebone)  
Built 1849-59, *William Butterfield* described as architecturally England's most celebrated Victorian church, cost about £70,000  
Heating by\*  
[] BE/L2, 326-7; Curl VC, 66; JB, 368-9; Jenkins, 414-6; TB.1853/56-7 (P, Ve)

**CHAPEL OF THE RUSSIAN EMBASSY [4/G7]**

Built 1864-5 by Mr Howard, *James Thompson*  
Building (No.32) was later (1991) the Variety Club of Great Britain. From 1813 this was the house of the chaplain attached to the Russian Embassy, chapel is behind and later a lecture hall with the central dome covered in.  
Heating by Messrs Bailey, Holborn, low pressure hot water system, installed 1864  
[] BE/L3, 655; BN.10/3/1865; TBL.1864/687 (Ve)

**CHRIST CHURCH [63/DK58]**

Crouch End Hill, Crouch End (Haringey)  
Built 1864-81, *Sir Arthur William Blomfield* [3]  
Heating Engineer: A M Perkins & Son Ltd, London, Perkin's high pressure hot water small-bore system, installed before 1897  
[] BE/L4, 550; Dye, 3 (ad)

**CONGREGATIONAL CHURCH [64/DQ62]**

Highbury Quadrant, Highbury (Islington)  
Built 1880-2 by J Chessum, Great Eastern Street  
*John Sulman*, 1 Furnivals Inn, Church replaced 1954  
Heating prob. by A M Perkins & Son Ltd, recorded as a high pressure hot water system, installed c.1882  
[] BE/L3, 663; TBL.1882i/644-5 (5D/S, 2P, Ve)

**ENGLANDS LANE CONVENT (RC) [76/DF65]**

England's Lane, Belsize Park  
Heating by John Metcalf, Arcade Works, Preston, low pressure hot water system  
[] Metcalf, 41

**GRAY'S INN CHAPEL [6/D7]**

Gray's Inn Road, Holborn  
Rebuilt C16, one of London's Inns of Court, chapel is S side of square, much rebuilt after major war damage  
Heating by A M Perkins, London, Perkin's high pressure hot water small-bore system, installed between 1834-40  
[] BE/L4, 282-3; GAL, 108; Perkins, 27

**HIGHGATE ROAD CONVENT (RC)[63/DH63]**

Highgate Road, Camden  
Not traced, probably demolished for post-war housing in this area  
Heating by John Metcalf, Arcade Works, Preston, low pressure hot water heating, between 1873-1910  
[] BE/L4, 394-6 not listed; Metcalf, 41

**HOLY TRINITY [8/E8]**  
Sloane Street, Chelsea  
Built 1888-90, *John Dandoe Sedding*] described as Sedding's last and most mature work  
Outstanding Arts & Craft, damaged in the war.  
Heating by \*  
[] BE/L2, 89-90; BE/L3, 559; CA, 559; Curl VC, 106-7 (RCHME BB88/1865, Vi & 1866, Ve)

**HOLY TRINITY [76/DB72]**  
Gloucester Terrace, Paddington  
(Bishop's Bridge Road)  
Built 1844-6, *Thomas Cundy Junior II*  
church now demolished  
Heating by \*  
[] BE/L2, 301; Curl VC, 52-3

**LINCOLN'S INN CHAPEL [6/D8]**  
Old Square, Holborn  
Rebuilt 1619-23  
Heating by A M Perkins, London, Perkin's high pressure hot water small-bore system, installed between 1834-40  
[] BE/L4, 285-7; GAL., 202; Perkins, 27

**LONDON (BROMPTON) ORATORY (RC)[8/B7]**  
**CHURCH OF THE IMMACULATE HEART OF MARY (ORATORY OF ST PHILIP NERVI)**  
Brompton Road, Kensington  
Built from 1878, *Herbert Augustus Gribble* (pupil of J A Hansom) cost £100,000 by 1896, the most expensive church of its date in London  
Heating by \*  
[] BE/L2, 245; BE/L3, 462-3; Curl VC, 43-45; Jenkins, 435-6

**MILL HILL CHAPEL**  
Barnet  
Built 1861, *James Hibbert*, Preston  
Heating by J Whitehead, type of system unknown, installed c.1860  
[] BE/L4, 173 not located; TBI.1861/564-5 (P, Ve)

**OUR LADY OF ASSUMPTION (RC) [5/L10]**  
Chapel of the Portugese Embassy,  
Warwick Street, Soho  
Rebuilt 1788, remodelled 1874 and until 1910, part remodelled by *John Francis Bentley*  
Ventilating Engineer: Robert Boyle & Son Ltd, Holborn, Boyle's patent Air Pump ventilators  
Testimonial from Rev Gilbert C Talbot reads "Since your 'Air-Pump' Ventilators were applied to the Church of the Assumption, Warwick Street, we have been entirely free from the down-draughts which before were very troublesome, and the Church has been far better ventilated in winter when all windows were closed."  
[] BE/L2, 497-8; Boyle, 40

**OUR LADY OF LOURDES (RC) [73/CK73]**  
High Street, Acton (Ealing)  
Built 1902, *Edward Goldie*  
Heating by John Metcalf, Arcade Works, Preston, low pressure hot water system, installed c.1902  
[] BE/L3, 157; Metcalf, 41

**ST AUGUSTINE [90/DC76]**  
Queen's Gate, Kensington  
Built 1865-71, *William Butterfield*  
Heating by \*  
[] BE/L2, 243; BE/L3, 455-6; Curl VC, 68( P, Ve and V&A D.59-1908); JB, 366; Jenkins, 436-7.

**ST FRANCIS OF ASSISSI (RC) [75/CY73]**  
Pottery Lane, Notting Hill (Paddington)  
Built 1859-60, *Henry Clutton* with *William Francis Bentley*. Bentley was the first person to be baptised in this church  
Heating by \*  
[] BE/L2, 298; BE/L3, 459-60; Curl VC, 40-2

**ST JAMES (RC) [4/G8]**  
Spanish Place (North of Manchester Square)  
Westminster (St Marylebone)  
Built 1885-1918, *Edward Goldie*  
Heating by John Metcalf, Arcade Works, Preston, low pressure hot water system, heating installed c.1890  
[] BE/L2, 329; BE/L3, 604; Curl VC, 45; Metcalf, 41

**ST JUDE [90/DB77]**  
Earl's Court Estate (Courtfield Gardens),  
Collingham Road, Kensington  
Built 1867-70 by *George Myers & Sons, George & Henry Godwin*  
Heating by Gurney (Sir Goldsworthy) using Gurney warm air stoves, installed c.1870  
[] BE/L2, 244; BE/L3, 458-8; TBI.1870/547 (Ve)

**ST MARY [33/CZ40]**  
Hadley Green Road, Hadley  
(Monkton Hadley, Barnet)  
Dates from 1494, restored 1848-9, *George Edmund Street*  
Heating prob.by A M Perkins, London  
high pressure hot water system, installed c.1849  
[] BE/L4, 183-4; Dye, (ad)

**ST MARY ABBOTTS [90/DB75]**  
Kensington High Street, Kensington  
Rebuilt 1869-73, *Sir George Gilbert Scott*  
Spire design after St Mary Redcliffe, Bristol  
Heating by \*  
[] BE/L2, 242-3; BE/L3, 459-60; Curl VC, 52; JB, 366

ST MARY MAGDALENE [76/DB71]  
Woodchester Square (Street), Paddington  
Built 1868-78, George Edmund Street  
Heating by \*  
[] BE/L2, 300: BE/L3, 676-7; Curl VC, 73: JB, 367

ST MARY MATFELON [78/DU72]:  
Whitechapel Road, Whitechapel (Stepney)  
From C13, rebuilt 1874 by John T Chappell,  
*Ernest C Lee*, Bedford Row. Church later damaged  
by fire 1882 (the heating?) and again restored by  
Lee  
Heating by George Jennings, London, system  
unknown, installed c.1874, but Jennings sold the  
"London Grate." Jennings also described as  
inventor  
BE/L2, 418: TBL1878/268-9 (2Vi)

ST MATTHEW [76/DB73]  
St Petersburg Place, Bayswater (Paddington)  
Built 1881-2 by Dove Bros, *John Johnston*, Queen  
Victoria Street  
Heating by John Grundy, City Road, London,  
using Grundy warm air stoves, installed c.1882  
[] BE/L2, 300: BE/L3, 677: TBL1883ii/455 (P, Ve)

ST MATTHEW [64/DV61]  
Mount Pleasant Lane, Upper Clapton (Hackney)  
Built 1867-9 by George Myers & Sons, *Francis T  
Dollman*. Church burnt down 1976, replaced by  
sheltered housing  
Heating by Messrs Weeks, Chelsea, prob. low  
pressure hot water system, as Weeks specialised in  
heating by hot water  
[] BE/L4, 483: TBL1869/262 & 267 (Ve)

ST MICHAEL AND ALL ANGELS (RC)  
[74/CR67]  
Willesden (Hillside, Harlesden)  
Built 1890-1 & 94, *George Goldie & Charles  
Edwin Child*  
Heating by John Metcalf, Arcade Works, Preston,  
low pressure hot water heating, prob. installed  
c.1892  
[] BE/L3, 129: Metcalf, 43

ST PAUL [78/DT68]  
Broke Road, Haggerston, Hackney (Shoreditch)  
Built 1859-60 by Holland & Hannen, *Sir Arthur  
William Blomfield* church demolished, road no  
longer exists  
Heating by S Egan Rosser, London (later Rosser &  
Russell), by hot air passing over a heated cockle  
(developed from design of Charles Sylvester)  
heating installed c.1860  
[] BE/L4, 513n: TBL1860/201 (Vi)

ST PAUL [76/DA74]  
Vicarage Gate, Kensington  
Built c.1855 by Hemmings & Co, Clift House  
Works, Bow, architect, *unknown*, church was  
described as a temporary iron structure.  
The site is probably that now occupied by 1968  
Parish Hall and Vicarage  
Heating engineer unknown, low pressure hot water  
heating, installed c.1855  
[] BE/L3, 506: TBL1855/507 (Ve, Vi)

ST PETER [63/DH60]  
Built 1879-80 by Hook & Oldrey, *C L Luck*,  
Carlton Chambers  
Heating by John Grundy, City Road, London,  
Grundy's warm air apparatus, installed c.1880  
[] BE/L4, 658: TB.1880ii/359 (Ve)

ST SOPHIA [76/DB73]  
GREEK ORTHODOX CATHEDRAL OF  
WESTERN EUROPE  
Moscow Road, Bayswater  
(Warwick Road, Paddington)  
Built 1874-82, *John Oldrid Scott* Built for the  
sizeable community of rich Greek merchants who  
lived in Bayswater. Considered Scott's masterpiece,  
Byzantine style, cathedral since 1932  
Heating by \*  
[] BE/L2, 301: BE/L3, 679: CA, 58-9 (P)

ST THOMAS [6/G6]  
Charterhouse, Islington (St Thomas' Road)  
Built 1888-9, replacing an earlier church, *Ewan  
Christian*, church not traced  
Heating by Cundy (inventor), using Cundy's patent  
warm air ventilating stove.  
[] Charterhouse is BE/L4, 614-20: BE/L4, 659:  
TBL1846/441 (D/S & Cundy ad full page on 528)

UNITY CHURCH [77/DP65]:  
Upper Street, Islington (Barnsbury)  
Built c.1862 by Axford & Co, Coleman Street,  
*Thomas Chatfeild*, Leadenhall Street. Church not  
traced, believed demolished in road widening  
Heating by D & B Bailey, Holborn, low pressure  
hot water system, installed c.1862  
[] TBL1862/892-3 (Ve, Vi)

## SOUTH LONDON

### CATHEDRAL CHURCH OF ST SAVIOUR AND ST MARY OVERIE [11/K2]

Southwark High Street, adjacent London Bridge  
Built: C13, nave & S transept rebuilt 1890-7, Sir *Arthur William Blomfield* Cathedral from 1905,  
Over-ie means over the water  
Heating by G N Haden & Sons  
[] BE/L2, 392-7: CA, 66-8 (P): CAEW, not listed as not a cathedral in 1891):CE/S, 144-154 (V from RCHM.1930)

### CATHEDRAL OF ST GEORGE (RC) [10/E6]

St George's Road, Westminster Bridge Road  
Built 1841-48, August Welby Northmore Pugin  
Virtually destroyed in the blitz of 1941  
Present building largely restoration of 1950s  
Heating by \*:  
[] BE/L2, 398: CA, 69: CE/S, 154-7: Cormack, 124-6:

### MARYFIELD CONVENT (RC) [103/CT87]

Off Richmond Park, near Roehampton Lane  
Heating by John Metcalf, Arcade Works, Preston,  
low pressure hot water heating.  
[] Metcalf, 41

### ST AGNES [91/DP79]

Built 1874-7 by Hill, Higgs & Hill, S Lambeth,  
*George Gilbert Scott Jr* Duke Street,  
Portland Place, London Church suffered severe war damage. Demolished and replaced 1956  
Heating by Z D Berry, Pimlico, system unknown,  
installed c.1876. Berry was originally known as a gas apparatus manufacturer  
[] BE/L2, 269-70: BE/LS2, 334: TBI.1877/686 (Vi)

### ST GEORGE [107/DZ89]

Perry Hill, Lewisham  
Later described as Vancouver Road, Catford  
Built 1878-80 by B E Nightingale, Albert Embankment, *Wm C Banks*, Gracechurch Street,  
Church described as large and ambitious  
Heating by Charles P Kinnell & Co, Southwark,  
system unknown, probably low pressure hot water,  
installed c.1880  
[] BE/L2S, 414: TBI.1880/414-7 (2Ve, 2Vi)

### ST JOHN [103/CX85]

St John's Avenue, Putney  
Built 1858-9, *Charles Lee*  
Heating by A M Perkins & Son Ltd, London,  
Perkin's high pressure hot water small-bore system,  
installed c.1859  
[] BE/L2S, 680: Dye, 3 (ad)

### ST MARY NEWINGTON [91/DN79]

Kennington Park Road, Southwark  
Built c.1875, *James Fowler*, Louth  
Heating by G N Haden & Son Ltd, system unknown, installed c.1875  
[] BE/L2S, 574: TBI.1875/325 (Ve)

### ST MICHAEL [94/EF83]:

Blackheath Park  
Built 1828-9, *G Smith*  
Ventilating Engineer: Robert Boyle & Son Ltd,  
Holborn, Boyle's patent self-acting Air-Pump ventilator, installed before 1900.  
A testimonial by the Rev Baring E Gould (Incumbent) states, "I beg to say that the 'Air-Pump' Ventilators which you supplied for our Church are thoroughly effective. At the close of a Sunday evening service the atmosphere of the Church used sometimes to be positively pestilential, now, however warm, it is invariably sweet and fresh. Their general success is unquestionable."  
[] BE/L2, 247: Boyle, 40

### ST STEPHEN [91/DM80]

Albert Square, South Lambeth  
Built c.1860 by George Myers, *John Barnett*  
Church replaced 1967-8 by N A Green  
Heating by A M Perkins & Son Ltd, London,  
Perkin's high pressure hot water small-bore system,  
installed c.1869  
[] BE/L2S, 332n: TBI.1860/688-9 (P, Ve)

### WESLEYAN CHAPEL [91/DN81]

Mostyn Road, Brixton  
Built 1868 by George Myers & Sons, prob. *John Tarring & Son*  
Heating by Garton & King, Exeter, prob. warm air stoves, Garton & King was a manufacturer,  
installed c.1870  
[] BE/L2S, 282-3: TBI.1870/145-6 (Ve)

### WESLEYAN CHAPEL [92/DW76]

Lower Road, Rotherhithe  
Built c.1874 by Messrs Nutt, Albany Street  
*Charles Bell*, Union Court, Old Bell Street  
Heating by John Grundy, City Road, London  
System of Warming: Grundy warm air stoves,  
installed c.1874. Ref. TBI gives heating engineer as Mr Grundy, Manchester. Tyldesley Ironworks near Manchester was Grundy's foundry  
[] TBI.1874/768 (2P, Ve)

Heating in Churches: London

## LONDON



### DEPTFORD

ST PAUL'S CHURCH

Heated by a Grundy warm air stove by John Grundy

[Composite photograph: Frank Ferris]

Heating in Churches: London

**LONDON**



**HOLBORN** GRAY'S INN CHAPEL



**HOLBORN** LINCOLN'S INN CHAPEL

Both heated by A M Perkins' high pressure hot water system, 1830s

Heating in Churches: London

## LONDON



### WESTMINSTER

#### METHODIST CENTRAL HALL

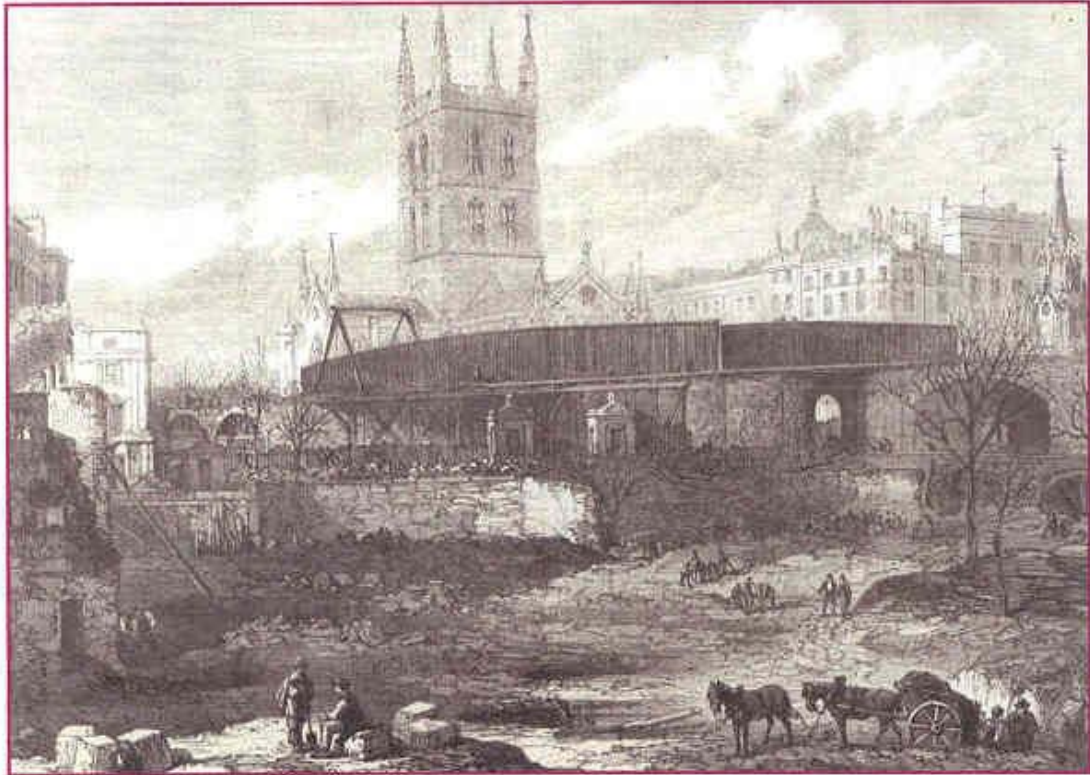
Warm air system of heating and ventilation supplemented by a steam vacuum heating system by Ashwell & Nesbit, c.1912. Note the so-called three-quarter housing of the supply fan mounted over a brick-built plenum

[Photograph: Frank Ferris]



**Heating in Churches: London**

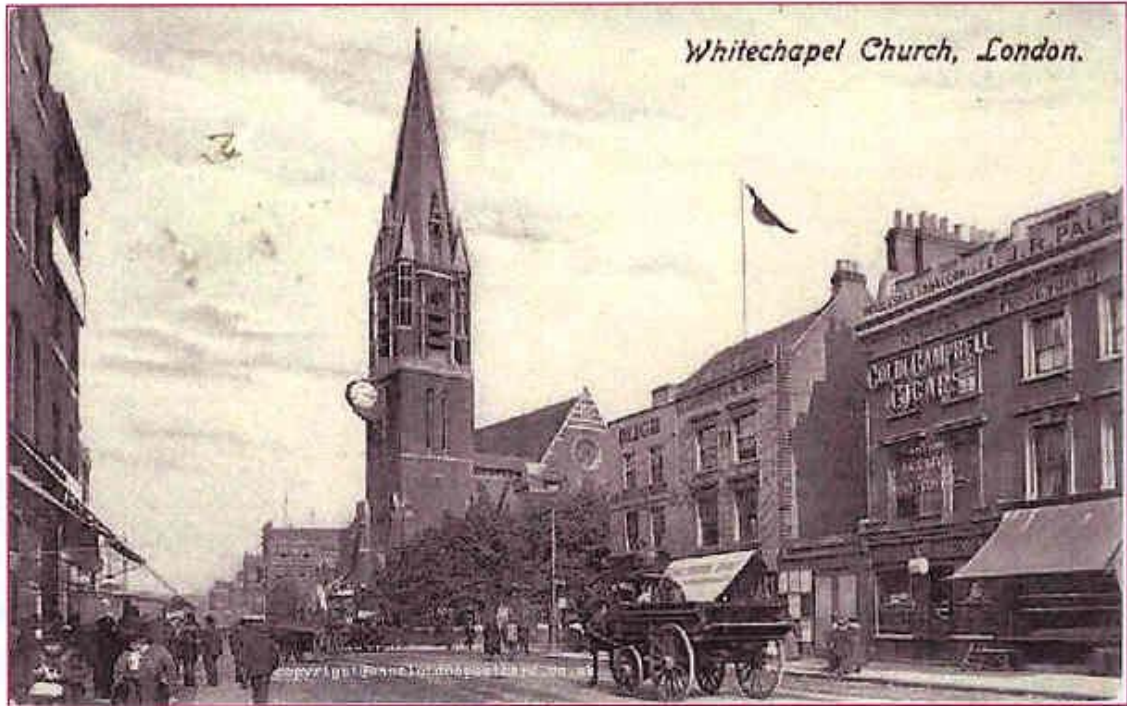
## **LONDON**



**SOUTHWARK CATHEDRAL**  
CATHEDRAL CHURCH OF ST SAVIOUR AND ST MARY OVERI  
[Print of 1863]]

Heating in Churches: London

## LONDON



*Whitechapel Church, London.*

### **WHITECHAPEL ST MARY MATFELON**

Heating by George Jennings, system unknown.  
[eastlondonpostcard.co.uk]

## LONDON



### ST PAUL'S CATHEDRAL

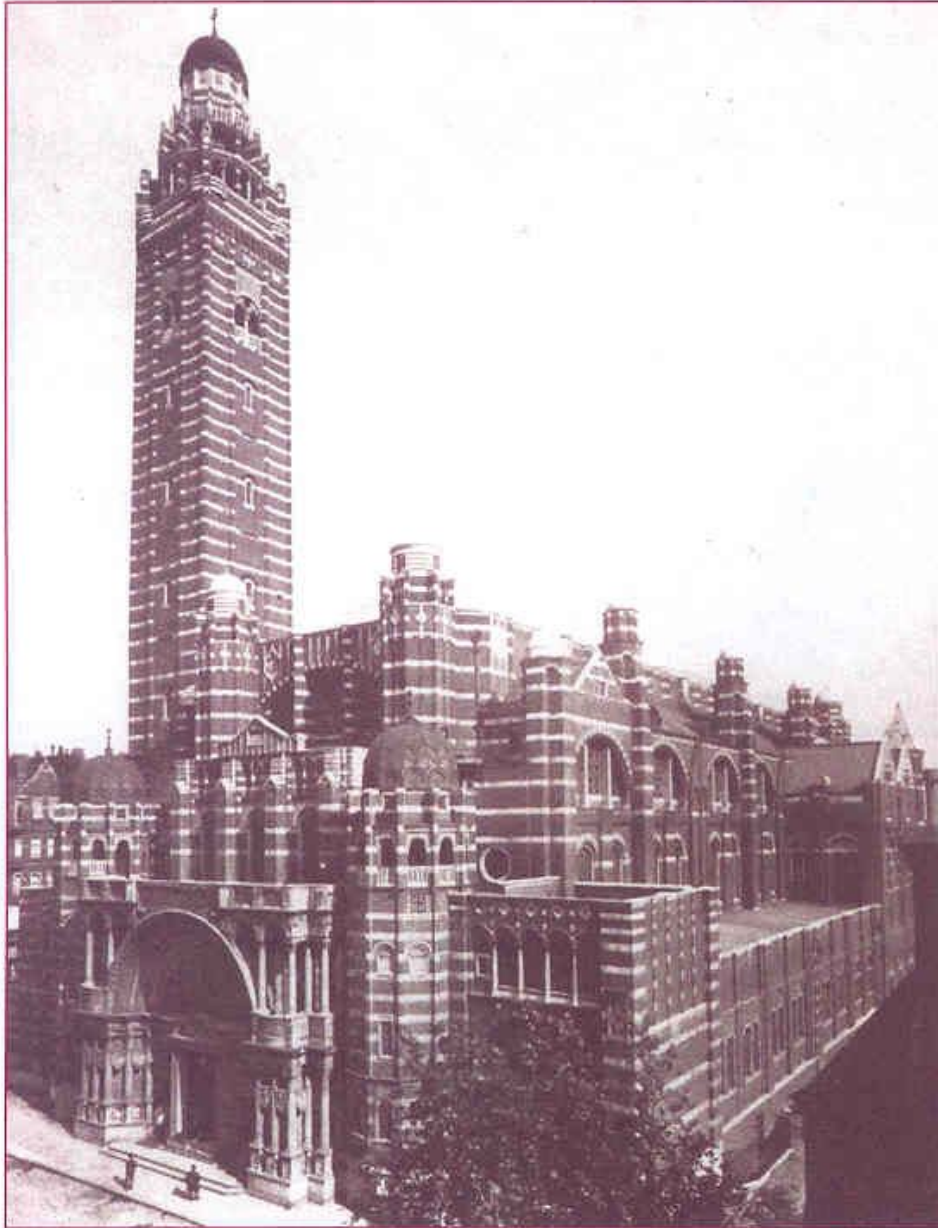
Heated by Gurney warm air stoves by The London Warming & Ventilating Co Ltd.

Later, in 1910, warm air stoves were installed by G N Haden & Sons Ltd

[Print of 1754, The Cathedrals & Abbeys of England & Wales, 1891, p.71]

Heating in Churches: London

## LONDON



### **WESTMINSTER**

**METROPOLITAN CATHEDRAL CHURCH OF THE MOST PRECIOUS BLOOD,  
ST MARY, ST JOSEPH AND ST PETER (RC)**

Heated by G N Haden & Sons Ltd

[Hadens of Trowbridge, Ferris Roberts & Yunnie, 2004]

## Heating of Churches: Middlesex

### MIDDLESEX

A county of England, bounded by Herfordshire, Essex, Surrey, Kent, and Buckinghamshire. It is one of the least counties in England, being only about 22 miles in length, and 14 in breadth. It contains 7 market towns and about 98 parishes, without including those in London and Westminster.

**Westminster.** Its Abbey is one of the most magnificent of our collegiate churches, and is the British Walhalla (Valhalla).

*A former county, which once included Westminster Abbey and Buckingham Palace, and is now part of Greater London. (London was taken out of the County of Middlesex in 1888).*

*For Westminster churches and the Abbey see under London.*

#### **BEDFORD PARK** [Greater London TQ2179]

##### ST MICHAEL AND ALL ANGELS

Woodstock Road

Built 1875-80, *Richard Norman Shaw* in the Queen Anne style, part of the famous garden suburb.

Heating by \*

[] BE/M, 26: JB, 376

#### **BRENTFORD** [Greater London TQ1777]

##### ST FAITH

Windmill Road

Built 1906-7, *George Frederick Bodley & C G Hare*, described as austere.

Heating by \*

[] BE/M, 28: JB, 376

#### **EALING** [Greater London TQ1780]

##### CHRIST THE SAVIOUR

New Broadway

Built 1852, *Sir George Gilbert Scott*

Heating by \*

[] BE/M, 41: JB, 376

##### ST MARY

St Mary's Road

Medieval and C18, enlarged and remodelled 1866-74, *Samuel Sanders Teulon*

Heating by \*

[] BE/M, 40: JB, 376

##### ST PETER

Mount Park Road

Built 1889, *John Dando Sedding* completed 1892-3 by his partner, Henry Wilson, described by Betjeman as an upper class suburban church.

Heating by \*

[] BE/M, 41: JB, 376

#### **FRIERN BARNET** [Greater London TQ2892]

##### ST JOHN THE EVANGELIST

Friern Barnet Road

Built 1891, *John Loughborough Pearson*

completed after his death, described by Pevsner as cool but satisfying.

Heating by \*

[] BE/M, 57: JB, 377

#### **HAMPSTEAD GARDEN SUBURB**

[Greater London TQ2685]

##### ST JUDE ON THE HILL

Central Square

Built 1908-10, *Sir Edwin Lutyens* part of the garden suburb, and said by Pevsner to be one of Lutyens's most successful buildings. Lutyens built the Free Church, also in Central Square.

Heating by \*

[] BE/M, 62: JB, 377: Jenkins, 431-2

#### **HARROW** [Greater London TQ1587]

##### ST MARY

Church Hill, Harrow-on-the-Hill

From C12, restored 1846-9, *Sir George Gilbert Scott* in a location called the finest setting in Middlesex.

Heating by \*

[] BE/M, 96-8: JB, 378: Jenkins, 433-5

#### **SOUTHGATE** [Greater London TQ2994]

##### CHRIST CHURCH

Enfield

Built 1863, *Sir George Gilbert Scott*

Heating by \*

[] BE/M, 139: JB, 380

#### **STANMORE** [Greater London TQ1692]

##### ST LAWRENCE

Whitchurch Lane, Little Stanmore

Built 1715, *John James* retaining C16 tower. Has a screen by Grinling Gibbons and an organ played on by Handel, with the black and white keys reversed.

Heating by \*

[] BE/M, 148-9: JB, 380: Jenkins, 440

## Heating in Churches: Norfolk

### NORFOLK

A county of England, lying on the German Ocean; bounded by Cambridgeshire, Lincolnshire, and Suffolk. It extends 70 miles in length and 40 in breadth. It contains 33 hundreds, 1 city, 32 market towns, and 660 parishes.

**Norwich.** It has a stately ancient castle.....and a fine cathedral, with a lofty spire.... It had formerly 60 churches, &c., and now has 36 churches, beside the cathedral, chapels, and dissenting meeting houses.

#### EAST WRETHAM [TL9190]

##### ST ETHELBERT

Originally Norman, rebuilt 1865, *George Edmund Street*

Heating by \*

[] JB, 394

#### NORWICH [TG 2208]

##### CATHEDRAL CHURCH OF THE HOLY AND UNDIVIDED TRINITY

Dates back to 1096, has the second highest spire in Britain after Salisbury {BMR}

Heating by \*:

[] BE/N1, 188-230 (P); CA, 142-6 (P); CAEW, 90-100 (4Ve, 2Vi); CE/N, 250-70 (P from TB.1891, 2Vi); Clifton-Taylor, 270 (P); Cormack, 60-3

##### CATHEDRAL CHURCH OF ST JOHN THE BAPTIST (now RC)

Earlham Road

Built 1884-1910, *George Gilbert Scott, Jr* completed by *John Odrid Scott*

Cathedral since 1976

Heating by \*

[] BE/N1, 330-1; BE/N2, 146-7; CA, 146-7; CE/N, 270; Curl VC, 45

##### OLD MEETING HOUSE

Built: 1693, restored 1970, 1993, original architect *unknown*

Heating by \*

[] BE/N1, 255 (Ve, reconstruction of 1693)

##### ST PETER MANCROFT

Market Place

Built 1455, restored 1862, *R Makilwaine Phipson*

Heating by Mr Ringham, Ipswich, installed c.1862, system unknown

[] BE/N1, 247-50; JB, 403; Jenkins, 466; TBI.1862/389 (Vi)

#### SANDRINGHAM [TF6928]

##### ST MARY MAGDALENE

Rebuilt 1857, *Samuel Sanders Teulon* restored 1890, *Sir Arthur William Blomfield* Home church of the Royal Family since 1861

Heating by \*

[] JB, 405

#### SNETTISHAM [TF 6834]

##### ST MARY

Dates from C14, 175 foot spire, church features in Hartley's novel "The Shrimp and the Anenome."

Heating prob. G N Haden & Son, who held the UK rights to the Reck system though the reference is in a brochure of Jas Boyd, Paisley

Accelerated low pressure hot water heating using a Reck patent circulator, installed between 1904-11

[] Boyd, 23; JB, 405

#### THETFORD [TL8683]

##### EASTON CHURCH

Easton

Heating by A M Perkins & Son Ltd, London

Perkin's high pressure hot water small bore heating, installed before 1891

[] Dye, (ad)

#### THURSFORD [TF 9933]

##### ST ANDREW

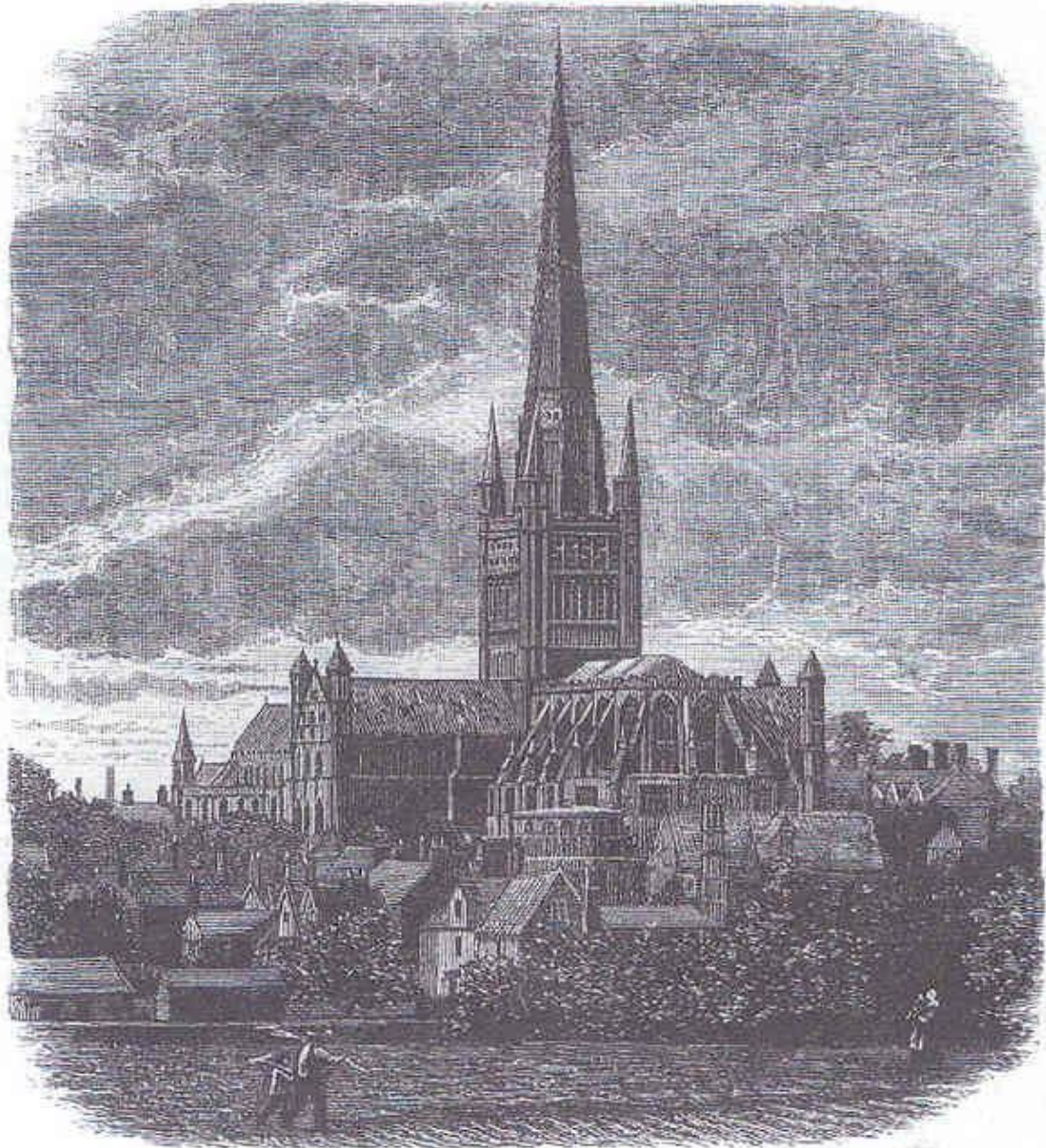
Dates from C12, restored 1862-5, *William Lightly*

Heating by Porrits warm air stoves, installed c.1864

[] BE/N1, 696-7; JB, 407; TBI.1864/937 (Vi)

Heating in Churches: Norfolk

## NORFOLK



**NORWICH CATHEDRAL**  
CATHEDRAL CHURCH OF THE HOLY AND UNDIVIDED TRINITY  
[Cathedrals & Abbeys of England & Wales, 1891, p.96]

## NORTHAMPTONSHIRE

A county of England, bounded by Leicestershire, Rutlandshire, Lincolnshire, the counties of Cambridge, Huntingdon, and Bedford, Buckinghamshire, Oxfordshire and Warwickshire. It is divided into 20 hundreds, containing a city, 13 market towns, and 336 parishes.

### ASHLEY [SP7990]

#### ST MARY THE VIRGIN

Originally C13, but virtually rebuilt in 1860s.

*Sir George Gilbert Scott* at a cost of £2000

Heating by \*

[] BE/N, 93: JB, 414

### IDDLTON CHENEY [SP4941]

#### ALL SAINTS

From C15, restored 1865. *Sir George Gilbert Scott* has important windows by Pre-Raphaelite artists

Heating by \*

[] BE/N, 304-6: JB, 418

### NORTHAMPTON [SP 7560]

#### CATHEDRAL CHURCH OF OUR LADY AND ST THOMAS OF CANTERBURY (RC)

Kingsthorpe Road

Built from 1844. *Augustus Welby Northmore Pugin*

enlarged 1862-4 by his son *Edward Welby Pugin*

Cathedral from 1850

Heating by \*

[] CA, 187: CE/N, 250

### HOLY SEPULCHRE

Sheep Street

Early C12, one of the five surviving round churches in England, said to be dedicated to the Crusaders,

additions of 1860-4 by *Sir Giles Gilbert Scott*

Heating by \*

[] BE/N, 322-4: JB, 418



Heating in Churches: Norfolk

## NORFOLK



### SHIPDHAM

ALL SAINTS' CHURCH

Victorian low pressure hot water heating system with cast iron box-end coils c.1880

[Photograph: Geraldine O'Farrell]

## Heating in Churches: Nottinghamshire

### NOTTINGHAMSHIRE

A county of England, bounded by Yorkshire, Lincolnshire, Leicestershire, and Derbyshire. Its greatest length is 50 miles, its greatest breadth about 23. It is divided into 8 hundreds, and contains 13 towns and 168 parishes.

#### CLUMBER PARK [SK6274]

##### ST MARY THE VIRGIN

Built 1886-9, *George Frederick Bodley and Thomas Garner* for the Duke of Newcastle at a cost of £30,000 (which later rose to £40,000), considered one of Bodley's best churches. Once part of Sherwood Forest, the house destroyed c.1938, now National Trust, church no longer in use

Heating by \*

[] BE/NT, 52-3; JB, 436; Jenkins, 517-8

#### NEWARK-ON-TRENT [SK7953]

##### ST MARY MAGDALEN

From around C13, described by Pevsner as among the two or three dozen grandest parish churches of England, 222 ft long with a spire 252 ft high.

Heating by \*

[] BE/NT, 106-10; Jenkins, 523-4

#### NOTTINGHAM [SK5739]

##### CATHEDRAL OF ST BARNABAS (RC)

Derby Road

Built 1841-4, *Augustus Welby Northmore Pugin* who also designed the 76 stained glass windows, cathedral since 1850

Heating by \*

[] BE/NT, 135-6; CE/N, 270-1; Curl VC, 34

#### NEW SNEINTON CHURCH INSTITUTE

Beaumont Street

Built c.1880 by *Wheatley & Maule, Truman & Platt*, Long Row, Nottingham

Heating by H S Cropper & Co, Nottingham

Low pressure hot water heating, installed c.1880

[] BE/NT not listed: TBI.1880ii/621 (Ee)

#### ST PAUL

Daybrook

Built 1892-6, *John Loughborough Pearson*

Heating by \*

[] BE/NT, 137; JB, 439

#### SOUTHWELL [SK7053]

##### CATHEDRAL AND PARISH CHURCH OF ST MARY THE VIRGIN (SOUTHWELL MINSTER)

Medieval church, generally C12-13 origins, cathedral from 1884

Heating by Gurney warm air stoves by The London Warming & Ventilating Co Ltd

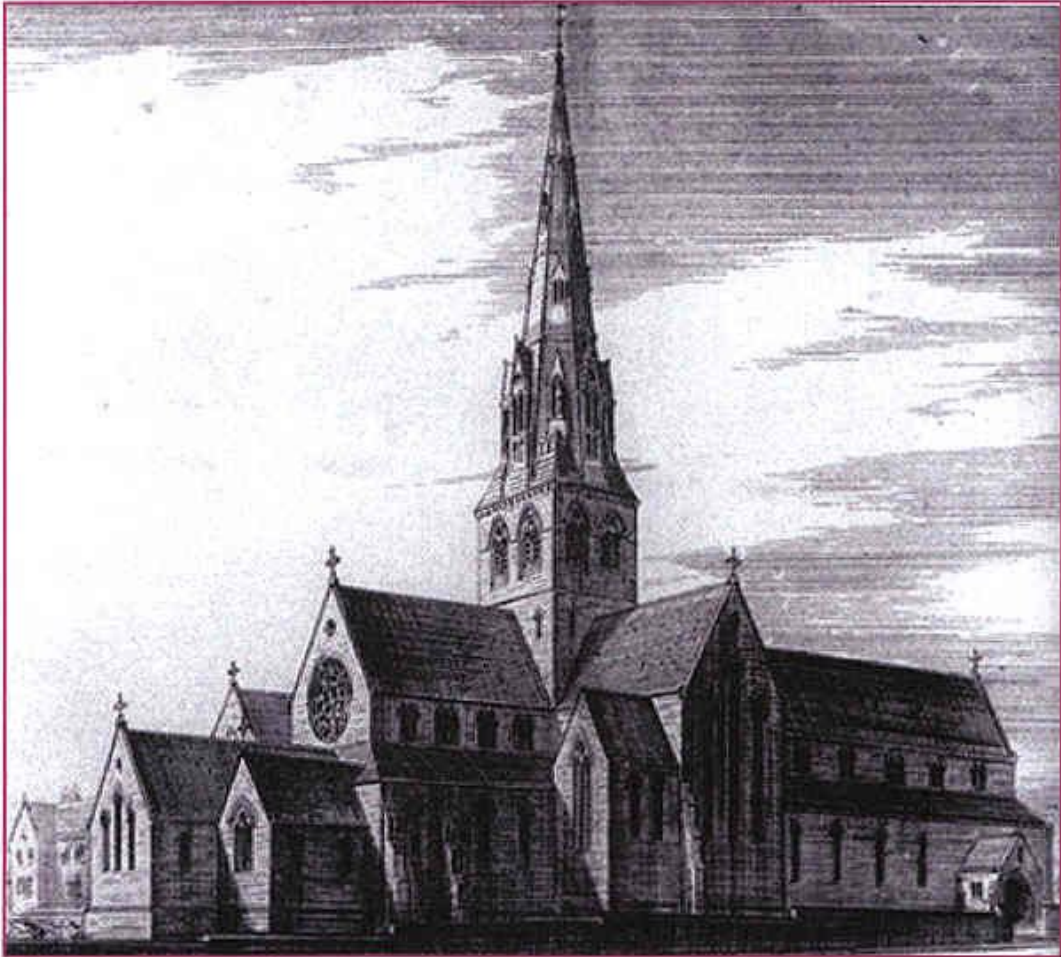
[] BE/NT, 161-73; CA, 195-7 (P); CAEW, 270-5

(2Ve, Vi); CE/N, 301-13 (P from TB.1992);

Clifton-Taylor, 274 (P); Cormack, 127-9

Heating in Churches: Nottinghamshire

## NOTTINGHAMSHIRE



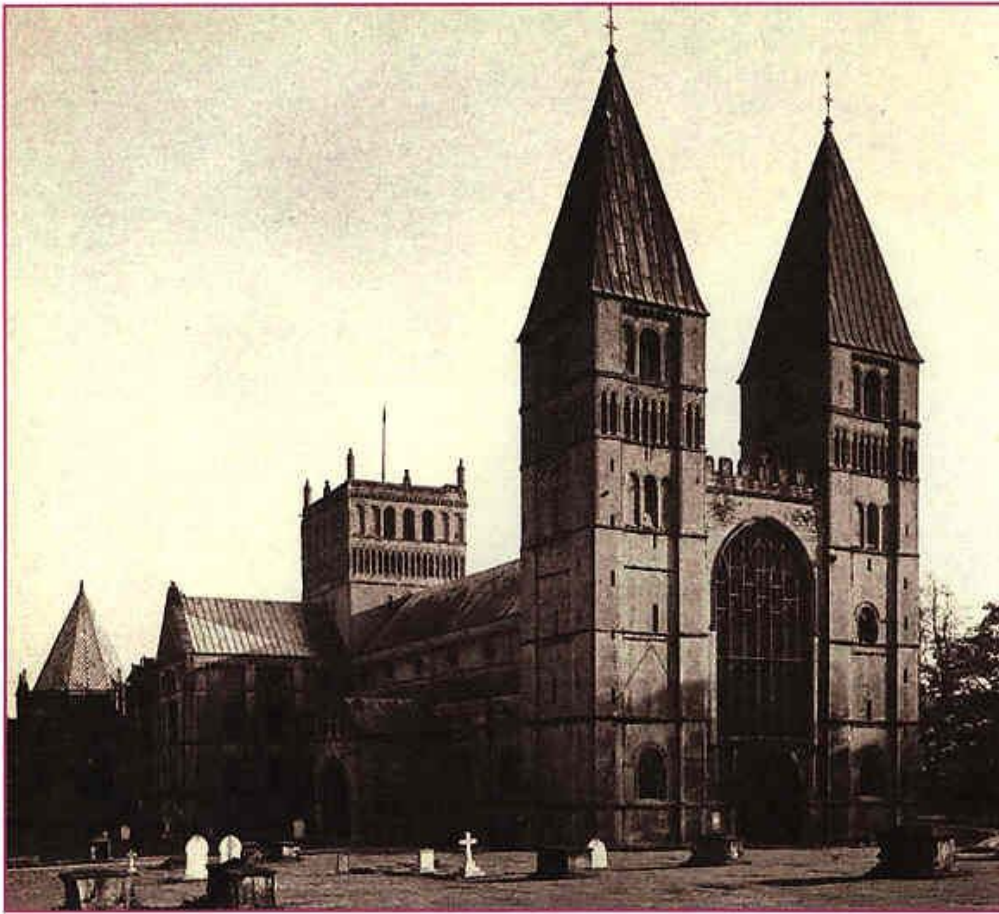
### **NOTTINGHAM CATHEDRAL**

CATHEDRAL OF ST BARNABAS (RC)

[Drawing possibly by Augustus Welby Northmore Pugin, c.1840]

Heating in Churches: Nottinghamshire

## NOTTINGHAMSHIRE



### **SWITWELL CATHEDRAL**

CATHEDRAL AND PARISH CHURCH OF ST MARY THE VIRGIN  
(SWITWELL MINSTER)

Heating by Gurney warm air stoves by The London Warming & Ventilating Co Ltd

## Heating in Churches: Northumberland

### NORTHUMBERLAND

The most northerly county of England. It lies next to Scotland, on the German Ocean, and is bounded by Durham and Cumberland. It extends about 70 miles in length, and 50 in breadth; and contains 12 market towns, and 460 parishes.

**Newcastle-upon-Tyne.** The exchange, church-houses, and other public buildings, are elegant.....

*Part now Tyne & Wear*

**CULLERCOATS** [Tyne & Wear NZ3670]

**ST GEORGE**

Beverly Gardens

Built 1882-4, *John Loughborough Pearson* for the sixth Duke of Northumberland, called a perfect example of Gothic Revival

Heating by \*

[] BE/NR, 250: JB, 427

**GOSFORTH** [Tyne & Wear NZ2468]

**WESLEYAN CHURCH**

Built c.1883 by Thomas Humble, Gosforth,

*J J Lish*, Newcastle

Heating by low pressure hot water, c.1883, installer unknown

[] BE/NR not listed: TBL1883ii/760 (VeC)

**MORPETH** [NZ1986]

**ST JAMES THE GREAT**

Built 1842 by Thomas King, a local builder

*Benjamin Ferrey*

Church cost around £7000. The tower was added c.1852 and cost a further £1060.

Heating installed 1876, system unknown

[] "An Historical Guide to the Church of St James the Great, Morpeth," Marilyn N Tweddle, 1994.

**NEWCASTLE-UPON-TYNE**

[Tyne & Wear NZ2464]

**CATHEDRAL AND PARISH CHURCH**

**OF ST NICHOLAS**

St Nicholas Street

Mainly C14-15, cathedral from 1882

Heating by \*

[] BE/NR, 417-24: CA, 248: CAEW, 267-9 (Ve):

CE/N, 245-9: Cormack, 145

**CATHEDRAL CHURCH OF ST MARY (RC)**

Clayton Street West

Built 1842-4, *Augustus Welby Northmore Pugin* cathedral from 1850. Pugin's design for a spire not built, alternative 1872, *A M Dunn & E J Hansom*.

Chapel 1902, prob. *Edward Goldie* [21]

Heating by \*

[] CA, 248: CE/N, 249

**ST JAMES**

Northumberland Road

Built 1882-4 by W Scott, Newcastle, *T Lewis Banks*, Finsbury Circus, London

Heating by John Grundy, London and Emley & Walker, later Emley & Son, Newcastle, installed c.1883. Heating by Grundy's hot air system, but reference is also made to Emley & Walker's hot water heating apparatus

[] BE/NR, 431: TB.1883ii/424-5 (Ve, Vi)

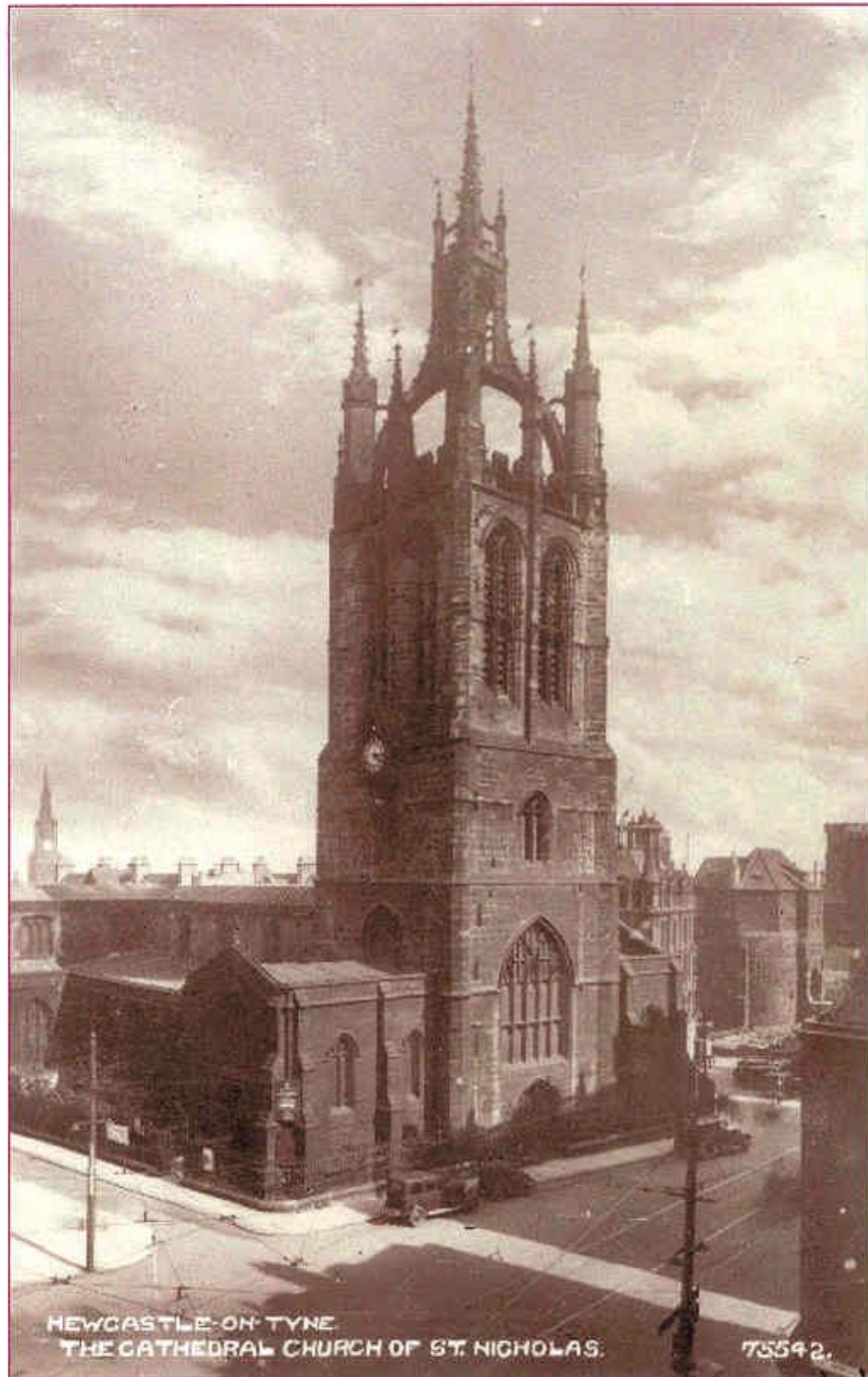
**UNITED FREE METHODIST CHURCH**

Heating poss. Jas Boyd, Paisley. Project appears in their Reck catalogue though the listing also includes installations by G N Haden & Sons Heating by accelerated low pressure hot water using the Reck patent circulator, installed between 1904-11

[] Boyd, 22

Heating in Churches: Northumberland

## NORTHUMBERLAND



**NEWCASTLE-UPON-TYNE**  
CATHEDRAL AND PARISH CHURCH OF ST NICHOLAS

## Heating in Churches: Oxfordshire

### OXFORDSHIRE

A county of England, 47 miles in length, and 29 in breadth; bounded by Buckinghamshire, Gloucestershire, Berkshire, Warwickshire and Northamptonshire. It is divided into 14 hundreds, which contain 1 city, 12 market towns, 280 parishes, and 51 villages.

**Banbury.** ....the church is a large, handsome structure.

**Oxford.** ....the city (has) an air of magnificence, which has obtained for it the name of the City of Cathedrals. ....Christ Church...is a very noble institution, and is immediately connected with the bishopric of Oxford; its chapel being the cathedral church, and the dean and chapter having the sole management of all its affairs.

#### ABINGDON [SU 4997]

##### ABINGDON CONVENT (RC)

Heating by John Metcalf, Preston

Low pressure hot water heating, installed between 1873-1910

[] Metcalf, 41

#### ST HELEN

Heating by John Grundy, London, installed 1873, five Grundy warm air stoves mounted in builders-work pits in the aisles. Still in use in 1970s

{FJF.2001}

[]

#### FREELAND [SP4112]

##### ST MARY THE VIRGIN

Built 1869, *John Loughborough Pearson* in the Gothic Revival style, the interior being described by Pevsner as a perfect example of the Ecclesiologists' theories of the 'beauty of holiness'

Heating by \*

[] BE/O, 606-7; JB, 448

#### LEAFIELD [SP3115]

##### ST MICHAEL AND ALL ANGELS

Built 1858-60, but not completed until 1874,

*Sir George Gilbert Scott* in the Early

English style

Heating by \*

[] BE/O, 682; JB, 450

#### OXFORD [SP 5106]

##### CATHEDRAL CHURCH OF CHRIST THE KING

Begun C12, restored 1870-6, *Sir George Gilbert Scott* at a cost of £24,000. Originally abbey church, made a cathedral by Henry VIII, 1542. Unusually small, as reduced in size to make Tom Quad

Heating by \*

[] BE/O, 113-29; CA, 188-9; CAEW, 140-7 (2Ve, 2Vi); CE/S, 215-226 (P, 2Vi from TB.1892); Cormack, 110-3

#### ST ALOYSIUS (RC)

Woodstock Road

Built c.1877 by Charles Claridge, Banbury

*Joseph Aloysius Hansom & Son*

Heating by G N Haden & Son, installed c.1877,

type of system unknown

[] BE/O, 289; TBL.1876/881-3 (Ve); TBL.1877/1175 (Vi)

#### ST BARNABAS

Cardigan Street, Jericho

Built 1869, *Sir Arthur William Blomfield* an Italian Romanesque basilica with a campanile added in 1872. Church cost £6500, the campanile £800, paid for by Thomas Combe of the Clarendon Press who stipulated that 'no a penny was to be thrown away on external appearance'

Heating by \*

[] BE/O, 289-91; JB, 451

#### ST JOHN THE EVANGELIST

Iffley Road

Built 1894-1902, *George Frederick Bodley* for the

Cowley Fathers {BE/O, 342}

Heating by G N Haden & Sons

[] BE/O, 340-1; JB, 451

#### WITNEY [SP3510]

##### ST MARY THE VIRGIN

Remodelled C13, restored 1865-9, *George Edmund*

*Street* a large town church

Heating by \*

[] BE/O, 843-5; JB, 454

Heating in Churches: Oxfordshire

## OXFORDSHIRE



## ABINGDON

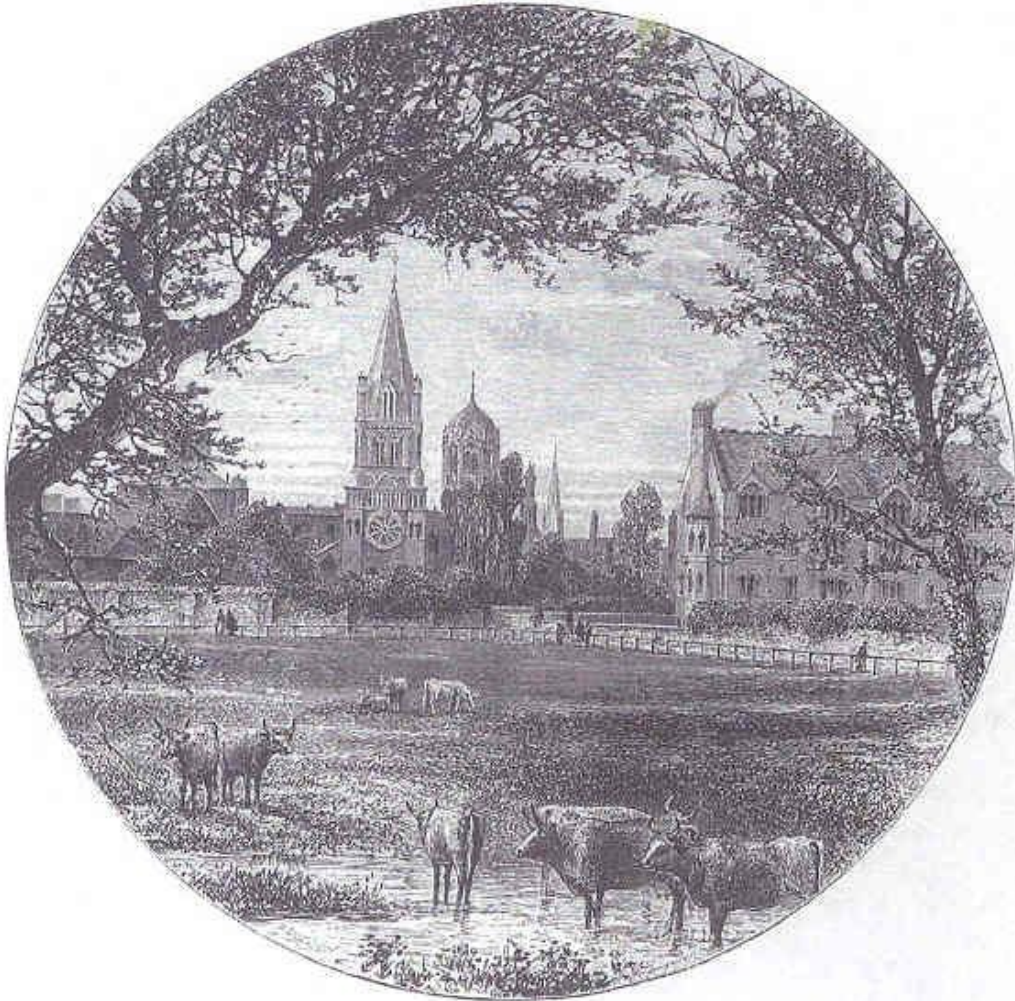
ST HELEN

Heating by five Grundy warm air stoves by John Grundy, 1873  
{Painting, with church in background, c.1860}



Heating in Churches: Oxfordshire

## OXFORDSHIRE



**OXFORD CATHEDRAL**  
CATHEDRAL CHURCH OF CHRIST THE KING  
[The Cathedrals & Abbeys of England & Wales, 1891, p.140]

## Heating in Churches: Shropshire

### SHROPSHIRE

An English county, 44 miles in length, and 28 in breadth; bounded by Cheshire, Denbighshire, Montgomeryshire, Herefordshire and Staffordshire. It contains 170 parishes, and 16 market towns.

#### BRIDGNORTH [SO7193]

##### ST MARY MAGDALENE

Built 1792-4 by the great civil engineer *Thomas Telford* chancel 1876. *Sir Arthur William Blomfield*. Replaced the chapel of Bridgnorth Castle.

Heating by \*

[] BE/S, 80; JB, 464

#### BURFORD [SO5868]

##### ST MARY

Medieval, but Victorian work from 1889 by *Sir Aston Webb* and others, with an astonishing range of monuments

Heating by \*

[] BE/S, 91-2; JB, 465

#### CHESWARDINE [SJ7130]

##### ST SWITHUN

C13 chapel, C15 tower, Victorian alterations 1888-9, *John Loughborough Pearson*

Heating by \*

[] BE/S, 96-7; JB, 465

#### CHETWYND [SJ7321]

##### ST MICHAEL AND ALL ANGELS

Built 1865-7, *Benjamin Ferrey*

Heating by \*

[] BE/S, 97-8; JB, 465

#### KINLET [SO7180]

##### ST JOHN THE BAPTIST

Late Norman onwards, restored 1892-3, *John Oldrid Scott*. Situated in the grounds of Kinlet Hall.

Heating by \*

[] BE/S, 159-161; JB, 466-7

#### LUDLOW [SO5174]

##### ST LAWRENCE

From C15, Victorian restorations, 1839-60 by *Sir George Gilbert Scott* and 1889-91 by *Sir Arthur William Blomfield*. The largest parish church in Shropshire

Heating by \*

[] BE/S, 177-81; JB, 467

#### MADELEY [SJ6904]

##### ST MICHAEL

Built 1794-6 by the famous engineer *Thomas Telford* described by *Betjeman* as a classical, octagonal, galleried Evangelical Revival church.

Heating by \*

[] BE/S, 192-3; JB, 468

#### RICHARD'S CASTLE (BATCHCOTT)

##### [SO4969]

##### ALL SAINTS

Built 1891-2, *Richard Norman Shaw* replaced the medieval church, now disused. Considered Shaw's best church exterior.

Heating by \*

[] BE/S, 69; JB, 469

#### SHREWSBURY [SJ4912]

##### HOLY CROSS (ABBAY)

Abbey Foregate

Originally the Abbey Church of St Peter and St Paul, founded 1083, much dates from C14, part rebuilt 1886-7, *John Loughborough Pearson*

Heating by \*

[] BE/S, 259-62; JB, 469

#### WELSHAMPTON [SJ4335]

##### ST MARY

Built 1863, *Sir George Gilbert Scott*

Heating by \*

[] BE/S, 309; JB, 470

## SOMERSET & BRISTOL



[Cathedrals & Abbeys of England & Wales, 1891, p.193]



### WELLS CATHEDRAL

CATHEDRAL CHURCH OF ST ANDREW

Heating by Gurney warm air stoves by The London Warming & Ventilating Co Ltd  
Low pressure hot water heating installed in 1912

## SOMERSET & BRISTOL

**SOMERSETSHIRE.** A county of England, lying on the Bristol Channel, and being bounded by Gloucestershire, Wiltshire, Dorsetshire, and Devonshire. Its length is about 65 miles, and its breadth between 30 and 40. It is divided into 40 hundreds, which contain 3 cities, 33 market towns, and 482 parishes.

**BRISTOL.** The public buildings are numerous; amongst the finest of them may be mentioned the churches....

**Bath.** The abbey church (is a) fine building.

**Glastonbury.** Its abbey was formerly the most magnificent in the world, the domains and revenue of which were immense.....Nearly adjoining, on a high steep hill, is placed the tower of a church called the Tor, which lifts its head into the clouds, and is an object of admiration to travellers.....

*Bristol and parts of Somerset are now in Avon*

### BATH [Avon ST7464]

#### ARGYLE ROAD CHAPEL

Built before 1832, *unknown*

Heating by G & J Haden, Trowbridge, later G N Haden & Son, Haden warm air stove, installed c.1832. Stove entered in Haden Order Book on 20 November 1831

[] BE/SN chapel not listed: WRO.1325

### BATH ABBEY (ST PETER AND ST PAUL)

First a Saxon, then a Norman Abbey. Gothic church erected from 1499. After the Dissolution, the abbey was looted and the church given to the parish.

Rebuilt from 1864, *Sir George Gilbert Scott*

Heating by G N Haden & Son, low pressure hot water heating with Haden radiators, prob. installed before 1910. Boilers now removed and replaced {FJF.2001}

[] BE/SN, 99-105: CAEW, 183-90 (2Ve, Vi): JB, 480-1: Jenkins, 589-90

### ST ANDREW

Walcot

Built c.1874 by Joseph Bladwell, *Sir George Gilbert Scott* Bomb damaged in war

Heating by G N Haden & Sons

[] BE/SN, 105: TBI.1874/394-5 (P, Vi)

### ST JOHN BAPTIST

St John's Road, Bathwick

Built 1861, enlarged 1871 by G C Mann, Bathwick.

*C E Giles, enlarged by Sir Arthur William*

*Blomfield*

Heating by \*

[] BE/SN, 106: TBI.1872/10 (Vi): WRO.1325

### ST MARY

Raby Place, Bathwick

Built 1814-20, enlarged 1873-5, *John Pinch*, later work by *George Edmund Street*

Heating by G & J Haden, Trowbridge, later G N Haden & Son, Haden warm air stove, prob. installed c.1831. Listed in Haden Order Book with date of 2 November 1830

[] BE/SN, 106: JB, 481: WRO.1325

### ST SAVIOUR

St Saviour's Road, Walcot

Built 1823-32, *John Pinch*, interior Victorianised in 1882

Heating by \*

[] JB, 481

### BRISTOL [Avon, ST5972]

Formerly a County

#### CATHEDRAL CHURCH OF THE HOLY AND UNDIVIDED TRINITY

College Green

Built from C13, not completed until 1868-90s

*George Edmund Street* Originally abbey church, made a cathedral 1542 by Henry VIII.

Heating by G N Haden & Son, low pressure hot water heating with radiators.

Ventilation by Robert Boyle & Son Ltd, London.

Some heating under the central tower by Boyle

Boyle patent Air-Pump ventilators

Heating and ventilation believed installed in 1890s {FJF.2001}

[] BE/SN, 369-86: CA, 91-93 (P): CAEW, 243-50

(2Ve, Vi): CE/S, 34-48 (P, Ve from TB.1891)::

Clifton-Taylor, 265 (P): Cormack, 98-101 Watkin

EA, 27 (Vi chapter house with under-window

radiators either side of door)

### ST MATTHEW

Cothamside, Kingsdown

Built 1833-5, *Thomas Rickman*

Heating by G & J Haden, Trowbridge, later

G N Haden & Son, Haden Size 2 warm air stove,

installed c.1833. Stove entered in Haden Order

Book on 8 October 1833

[] BE/SN, 454: JB, 82: WRO.1325

## Heating in Churches: Somerset & Bristol

### EMMANUEL CHURCH

Guthrie Road, Clifton  
Built 1865-9 by James Diment, Bristol, *John Norton*, adjacent Clifton College  
Heating by \*  
[] BE/SN, 389: TB.1872/547 (Ve)

### GUTHRIE MEMORIAL CHAPEL

Clifton College, Guthrie Road  
Built 1866 by James Diment, Bristol, *Charles F Hansom & Son*, remodelled 1909-10  
Heating by G N Haden & Son, Haden's warm air system, installed 1869  
[] BE/SN, 419-20: TBI.1869/161, 166-7 (P, Ve, Vi)

### HOLY TRINITY

Stapleton  
Built 1856-7, *John Norton*  
Heating by \*  
[] JB, 82-3

### ST MARY REDCLIFFE

Begun 1294, Victorian works by *Sir Arthur William Blomfield* Spire completed 1872 after C15 lightning damage. Queen Elizabeth I called it "the fairest, goodliest, and most famous parish church in England."  
Heating by Vincent Skinner, Bristol, low pressure hot water heating in cast-iron pipes. Present radiators include Beeston Princess type  
Ventilation by Robert Boyle & Son Ltd, London Boyle's patent Air-Pump Ventilator  
Heating installed 1874, ventilation installed before 1900. Boyle ventilators still in place but not accessible or visible  
Testimonial from Rev Charles E Cornish reads, "I have much pleasure in stating that your system of ventilation has answered admirably in the Church of St Mary Redcliffe."  
{FJF.2001}  
[] BE/SN, 395-404: Boyle, 38 (Vi ventilation): JB, 81-2

### ST PAUL

Portland Square  
Completed 1793, *Daniel Hague*  
Heating by \*  
[] JB, 81

### ST PETER

Bishopsworth  
Built 1842, *S C Fripp*  
A St Peters, Bristol appears on a Haden listing (?)  
[] JB, 82

### ST SAVIOUR (HOLY SAVIOUR)

Chandos Street, Woolcut Park  
Built c.1881 by Cowlin & Son, Bristol, *John Bevan*, Bristol  
Heating by Vincent Skinner, Bristol, low pressure hot water heating, installed c.1882  
[] BE/SN, 455: TBI.1882ii/146-7 (Ve, Vi)

### BRUTON [ST6835]

ST MARY  
Built C14 with Victorian restoration  
Heating believed to be by J Longbottom & Co, Leeds, Perkin's high pressure hot water small-bore heating, installed c.1895. System still in place but boiler removed and scrapped about 1970.  
Enormous number of pipe sets in system  
{FJF.2001}  
[] BE/SS, 103-5: JB, 481-2: Jenkins, 591-2

### BUCKLAND ST MARY [ST2613]

Built 1853-63, *Benjamin Ferrey* described as a large and ambitious church, with lavish interior  
Heating by \*  
[] JB, 482

### CLEVEDON [Avon ST4171]

CHRIST CHURCH  
Chapel Hill  
Built 1839, *Thomas Rickman*  
Heating by G & J Haden, Trowbridge, later G N Haden & Son, Haden warm air stove, installed c.1839. Church now has low pressure hot water heating system with some 4-inch cast-iron pipework and cast-iron radiators. New boiler oil-fired  
{FJF.2001}  
[] BE/SN, 170: WRO.1325

### EAST BRENT [ST3451]

ST MARY  
Built from C15, chancel rebuilt 1840-5, church has an outstanding Carolean ceiling of 1637  
Heating believed to be by J Longbottom & Co, Leeds, Perkin's high pressure hot water small-bore system. Part of the Perkin's system is still in place but the original boiler has been removed and scrapped. Of particular interest is an existing pipe coil from the Perkin's system which can be matched to a drawing in his 1840 brochure {FJF.2001}  
[] BE/SS, 160-1: JB, 484: Jenkins, 600

## Heating in Churches: Somerset & Bristol

### FROME [ST7747]

#### ST GEORGE

Beckington

Dates from Norman times

Heating by G N Haden & Sons Ltd who held the UK rights to the Reck system although the reference is from a catalogue issued by Jas Boyd, Paisley. Accelerated low pressure hot water heating using the Reck patent circulator, installed between 1904-11. Still in place are Haden radiators and some of the system piping in floor ducts, but no sign of the Reck apparatus {FJF.2001}

[] BE/SN, 141-2: Boyd, 21

### GLASTONBURY [ST5038]

Mid-C15, *unknown*, town church with one of the finest towers in Somerset

Heating by \*

[] JB, 484

### HALSE [ST1427]

#### ST JAMES:

Norman & C13-14

Heating believed to be J Longbottom & Co, Leeds, Perkin's high pressure hot water small-bore system. System still in place but boiler removed and scrapped {FJF.2001}

[] BE/SS, 187-8

### TWERTON [ST7264]

#### ST MICHAEL

Dates from Norman, built 1835-6, *E Buckler*

Heating by G & J Haden, Trowbridge, later G N Haden & Son, Haden warm air stove, installed c.1836

[] BE/SN, 272: WRO.1325

### WELLS [ST 5445]

#### CATHEDRAL CHURCH OF ST ANDREW

Built c.1180-1240 & c.1290-1340, Norman cathedral since 1148

Heating prob. by The London Warming & Ventilating Co Ltd, London, 3 Gurney warm air stoves. Low pressure hot water heating (now pumped) installed in 1912. This system has, unusually, two large high-level water tanks with submersed radiators, a type of calorifier or possibly a form of thermal storage. Coal-fired boilers removed in 1958 and replaced by heavy oil fired boilers, now natural gas. Radiators look Haden style but unmarked {FJF.2001}

[] BE/SN, 278-322: CA, 116-121 (P): CAEW, 191-8 (2Ve, Vi): CE/S, 292-323 (P from TB.1891): Clifton-Taylor, 274 (P): Cormack, 78-82: Watkin EA, 57 (P)

### ST THOMAS

St Thomas Street

Built 1856-7, *Samuel Sanders Teulon*

Heating by \*

[] JB, 489

### WEST QUANTOXHEAD [ST1142]

#### ST ETHELREDA

Built 1856, *John Norton*, Bristol

Heating by \*

[] JB, 490

### WESTON [ST7366]

#### ALL SAINTS

Built: 1832, parts rebuilt 1893, *John Pinch*

Heating by G & J Haden, Trowbridge, later G N Haden & Son, Haden warm air stove, installed c.1832

[] BE/SN, 334: WRO.1325

### WINSCOMBE [Avon ST4257]

#### ST JAMES

Built: C15

Heating engineer unknown, low pressure hot water heating with unusual radiators, latter now disconnected, but remaining in-situ, manufacturer not identified {FJF.2001}

[] JB, 490

### YEOVIL [ST5515]

#### WESLEYAN CHAPEL

Built c.1870 prob.by Bartlett & Harewood, prob. *Alexander Lauder*, Barnstaple

Heating by Garton & King, Exeter, prob.their warm air stoves, installed c.1870

[] BE/SS, 355-6 not listed: TBL.1870/145-6 (Vc)

**SOMERSET & BRISTOL**



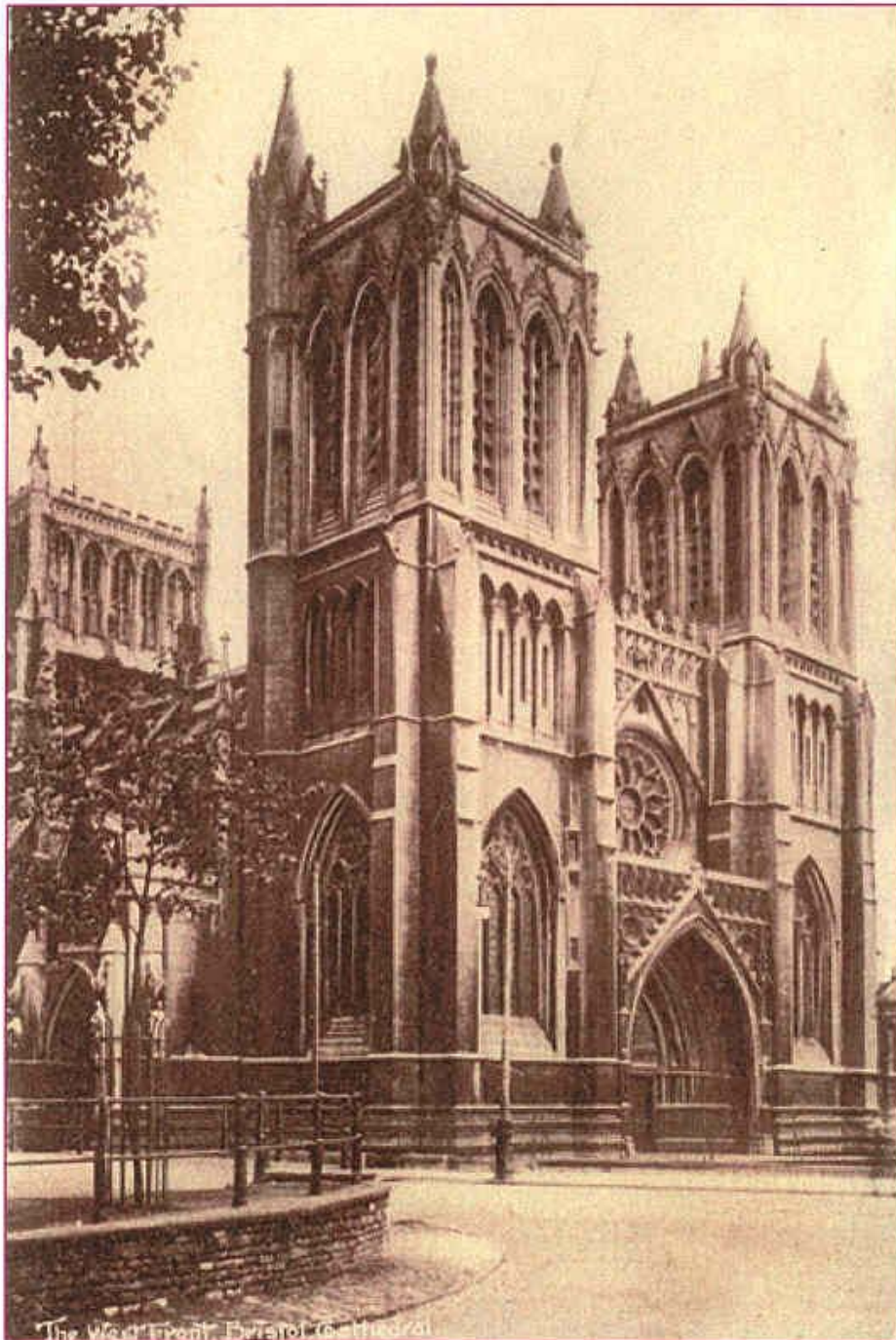
**BATH ABBEY**

ST PETER AND ST PAUL

Low pressure hot water heating by G N Haden & Son  
[Bath Illustrated by a Series of Views, 1806, pl.VII]

Heating in Churches: Somerset & Bristol

## SOMERSET & BRISTOL



**BRISTOL CATHEDRAL**  
CATHEDRAL CHURCH OF THE HOLY AND UNDIVIDED TRINITY  
Low pressure hot water heating by G N Haden & Son  
Ventilation by Boyle patent Air-Pumps



**SOMERSET & BRISTOL**



**CHEDDAR**

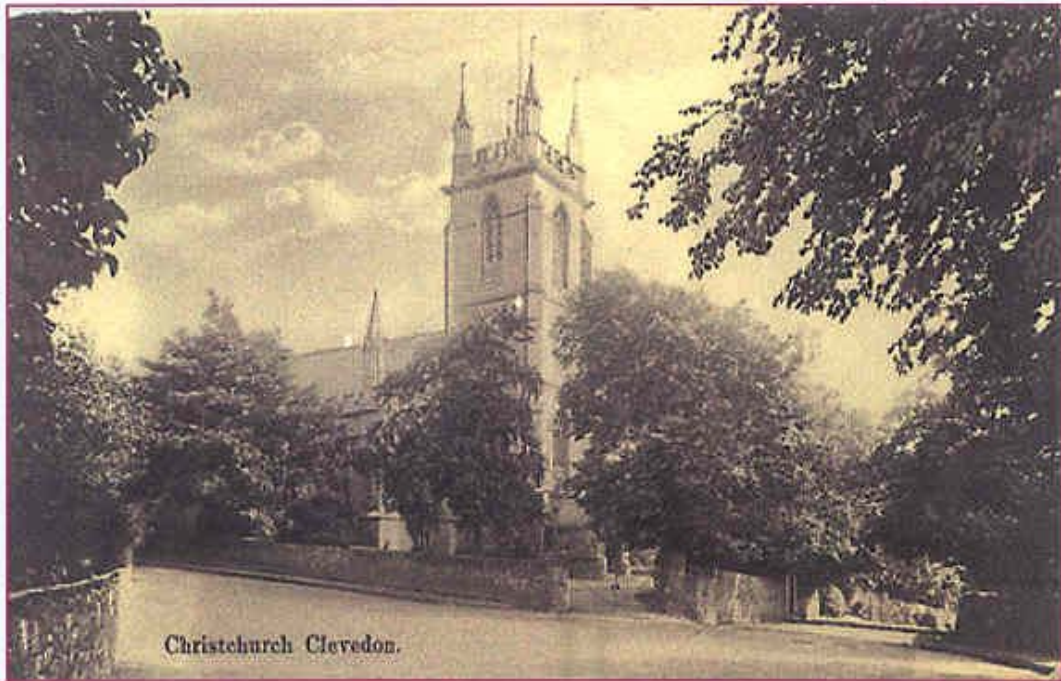
**PARISH CHURCH OF ST ANDREW**

Heating by a low pressure hot water system employing a mixture of vertical tubular radiators (illustrated), cast iron piping and sectional radiators by A H Skinner & Co of Bristol, 1880s

[Photograph: Frank Ferris]

Heating in Churches: Somerset & Bristol

## SOMERSET & BRISTOL



### **CLEVEDON**

**CHRIST CHURCH**

Haden warm air stove installed c.1839

Heating in Churches: Somerset & Bristol

## **SOMERSET & BRISTOL**



### **BRISTOL**

GUTHRIE MEMORIAL CHAPEL, CLIFTON COLLEGE  
Haden's warm air system by G N Haden & Son Ltd, installed 1869

**SOMERSET & BRISTOL**



**EAST BRENT**

**ST MARY**

Perkins' high pressure hot water heating using a variety of pipe coils,  
possibly installed by J Longbottom & Co  
[Photograph: Frank Ferris]

**Heating in Churches: Somerset & Bristol**

## **SOMERSET & BRISTOL**



### **PORTBURY, BRISTOL**

**ST MARY THE VIRGIN**

Low pressure hot water heating using cast iron piping and box-coil headers

[Photograph: Frank Ferris]

Heating in Churches: Somerset & Bristol

## SOMERSET & BRISTOL

THE "BOYLE" SYSTEM OF VENTILATION  
As applied to  
The CHURCH OF  
BOYLE'S PATENT  
"AIR-PUMP" VENTILATOR  
(CONCEIVED FROM VIEW BY PARAPET)

ST. MARY, REDCLIFFE,  
BRISTOL.  
UNDER THE DIRECTION OF  
SIR ARTHUR W. BLUMFIELD A.R.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.

N.B.—For table of sizes and number of ventilators required for the ventilation of Churches see pages 147, 149.

### BRISTOL

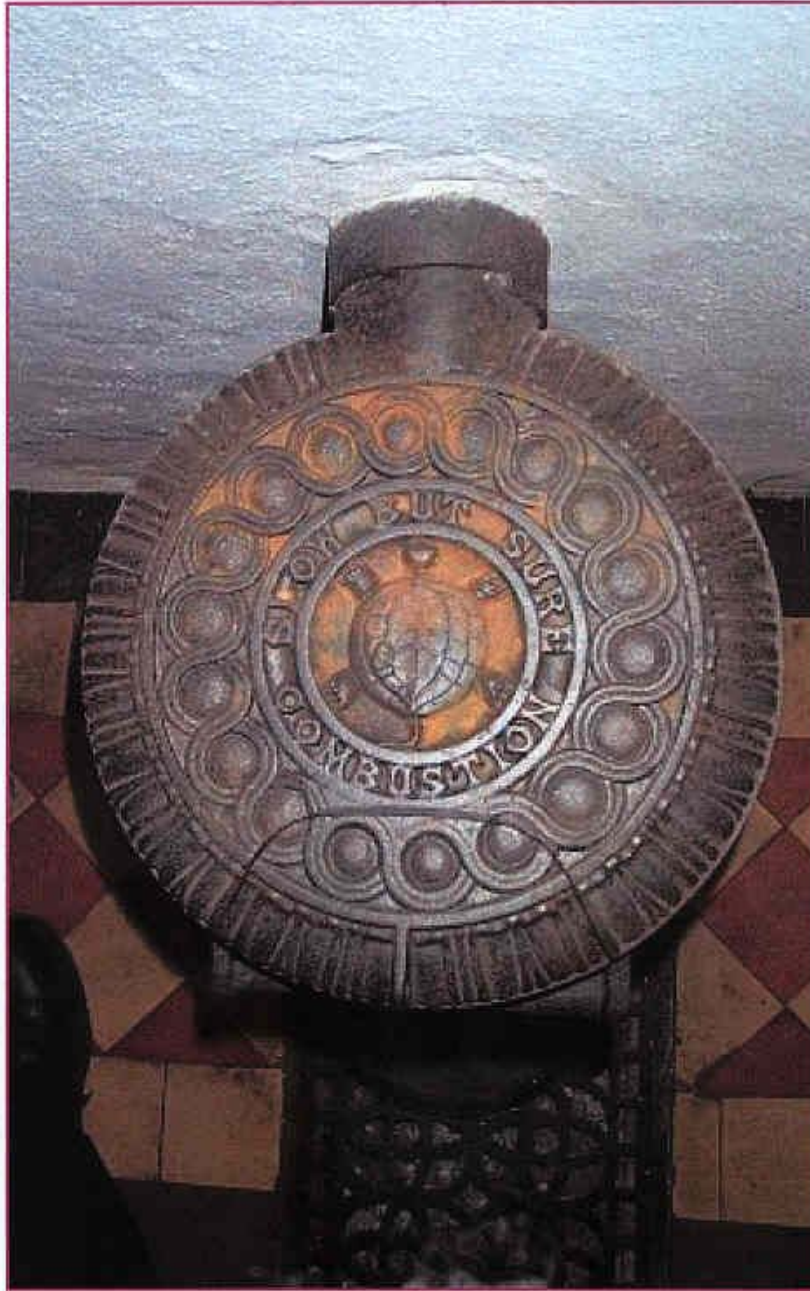
ST MARY REDCLIFFE

Low pressure hot water heating by Vincent Skinner

Ventilation by Boyle patent Air-Pumps

[The Boyle System of Ventilation, catalogue c.1900, p.38]

**SOMERSET & BRISTOL**



**RODNEY STOKE**

ST LEONARD

Heated by a slow combustion warm air stove in a floor pit by Musgrave & Co, c.1878.

There is also a Tortoise solid-fuel stove size No.2 (illustrated) by Charles Portway

[Photograph: Frank Ferris]