

## Heating in Churches: Surrey

### SURREY

A county of England, bounded by Middlesex, Buckinghamshire, Kent, Sussex, Hampshire and Berkshire. Its greatest length is about 39 miles, and its breadth 26. It is divided into 13 hundreds, which contain 11 market towns (including Southwark,) 140 parishes, and 650 villages and hamlets.

**Croydon.** It has a very noble church.

*Much of what was northern Surrey is now in Greater London.*

#### **BUSBRIDGE [SU9742]**

**ST JOHN BAPTIST**  
Near Goldaming  
Built 1865-7. *George Gilbert Scott Jr*  
Heating by \*  
[] BE/SY, 124-5: JB, 535

#### **CARSHALTON [Greater London TQ2764]**

**ALL SAINTS**  
Built 1893-1914, mainly by *Sir Arthur William Blomfield* and his relation *Sir Reginald Theodore Blomfield*  
Heating by \*  
[] BE/SY, 132-3: JB, 535

#### **CROYDON [Greater London TQ3265]**

**ST JOHN THE BAPTIST**  
Church Street  
Rebuilt 1870 after fire, *Sir Giles Gilbert Scott*  
the largest parish church in Surrey  
Heating by \*  
[] BE/SY, 179-80: JB, 536

#### **ST MICHAEL AND ALL ANGELS**

Poplar Walk  
Designed 1876, built 1880-3, *John Loughborough Pearson*  
Heating by \*  
[] BE/SY, 181: JB, 536

#### **WESLEYAN CHURCH**

Addiscombe  
Built c.1883 by *J W Sawyer, Fredk Boreham,*  
Finsbury Pavement, London  
Heating by *John Grundy, London*  
*Grundy's* warm air system, installed c.1883  
[] BE/SY no entry: TBI.1883ii/622 (Vi)

#### **DORKING [TQ1649]**

**ST MARTIN**  
Rebuilt 1868-77, *Henry Woodyer* considered to be his best work  
Heating by \*  
[] BE/SY, 195: JB, 536

#### **GODALMING [SU9643]**

**ST PETER AND ST PAUL**  
Dates from Norman, repaired 1840, *John Perry* of Godalming, restored 1879, *Sir Giles Gilbert Scott*  
Heating by \*  
[] BE/SY, 254-6: JB, 537

#### **GREAT BOOKHAM [TQ1354]**

**ST NICHOLAS**  
C12, restored 1845 *Richard Cromwell Carpenter* and 1885 *William Butterfield*  
Heating by \*  
[] BE/SY, 262-4: JB, 537

#### **GUILDFORD [SU9949]**

**HOLY TRINITY**  
High Street  
Old church collapsed 1740 and rebuilt 1763, additions 1888 by *Sir Arthur William Blomfield*  
Heating by \*  
[] BE/SY, 270-2: JB, 537-8

#### **HASCOMBE [SU9939]**

**ST PETER**  
Built 1864, *Henry Woodyer*  
Heating by \*  
[] BE/SY, 302-3: JB, 538

#### **HOLMBURY ST MARY [TQ1144]**

**ST MARY**  
Built 1879, *George Edmund Street* who lived here and built and paid for the church in memory of his wife  
Heating by \*  
[] BE/SY, 315: JB, 538

#### **KEW [Greater London TQ1876]**

**ST ANNE**  
Kew Green  
C18, enlarged 1836 by *Sir Jeffry Wyattville* and *Henry Stock*, mausoleum added 1850 *Benjamin Ferrey*  
Heating by \*  
[] BE/SY, 322: JB, 538

## Heating in Churches: Surrey

**NORWOOD** [Greater London TQ3369]  
**VIRGO FIDELIS CONVENT (RC)**  
Central Hill  
Built from 1857, *William Wilkinson Wardell*  
1881-2 by *George Goldie* and *Edward Goldie*  
Heating by John Metcalf, Preston, low pressure hot  
water, prob. installed 1882  
[] BE/2LS, 233-4; BE/SY, 492-3; Metcalf, 41

**OTTERS Shaw** [TQ0263]  
**CHRIST CHURCH**  
Built 1864, *Sir George Gilbert Scott*  
Heating by \*  
[] BE/SY, 399; JB, 539

**OUTWOOD** [TQ3245]  
**ST JOHN THE BAPTIST**  
Built 1869, *William Burges* tower 1876, *W P*  
*Manning*  
Heating by \*  
[] BE/SY, 400; JB, 539

**RANMORE** [TQ1451]  
**ST BARNABAS**  
Built 1859, *Sir George Gilbert Scott*  
Heating by \*  
[] BE/SY, 421; JB, 540

**RICHMOND** [Greater London TQ1774]  
**HICKEYS CHAPEL**  
Part of Hickey's Almshouses  
Almshouses built 1832-5, chapel enlarged 1863,  
almshouses by *Lewis Vuilliamy*; chapel enlarged by  
*Sir Arthur William Blomfield*  
Ventilation by Robert Boyle & Son Ltd, London  
Boyle system of ventilation, installed before 1900  
[] BE/L2S, 529; Boyle, 40

**ST MATTHIAS**  
Friar Stiles Road  
Built 1858, *Sir George Gilbert Scott* considered by  
Pevsner to be the grandest church in Richmond  
Heating by \*  
[] BE/SY, 433; JB, 540

**ROEHAMPTON** [TQ1774]  
**MARYFIELD CONVENT (RC)**  
Richmond Park, off Roehampton Lane  
Heating by John Metcalf, Preston, low pressure hot  
water, installed 1873-1910  
[] Metcalf, 41

**UPPER NORWOOD** [Greater London TQ3369]  
**ST JOHN THE EVANGELIST**  
Sylvan Road  
Built 1878, *John Loughborough Pearson*  
Heating by \*  
[] JB, 541

## SURREY

2/ Building Engineering Services Heritage Revisited

### ST BARNABAS, EPSOM, SURREY



**Grundy stove at St Barnabas in Epsom**

Warm air heating stove manufactured by John Grundy Ltd, London (Islington) and Tyldesley (near Manchester). Installed in St Barnabas Church, Temple Way, Epsom, Surrey, c.1920. Later converted to oil-firing. The stove was removed and scrapped in November 2003. John Grundy was the first President of the Institution of Heating & Ventilating Engineers (IHVE) in 1898. His son, Herbert, was President in 1915.

## EPSOM

### ST BARNABAS

Grundy warm air stove c.1920, oil firing added later  
[Frontispiece from Heritage Group electronic book]

# WALES

Wales is a principality of England. It lies on the Irish Sea, with St George's Channel and Bristol Channel on the south, and it is bounded by the counties of Chester, Salop, Hereford, and Monmouth. It is about 180 miles long, and 60 in mean breadth. It comprehends 12 counties: namely, Anglesey, Caernarvonshire, Denbighshire, Flintshire, Merionethshire, and Montgomeryshire, in North Wales; Brecknockshire, Cardiganshire, Caermarthanshire, Glamorganshire, Pembroke-shire, and Radnorshire, in South Wales; and contains 751 parishes, and 58 market towns.

*Monmouthshire is now a part of Wales. The reorganised counties are Gwynedd, Clywd, Dyfed, Powys, Glamorgan and Gwent.*

## **BANGOR [44/SH 5772]**

### **CATHEDRAL OF ST DEINIOL**

Built: Norman

Architect:

Heating Engineer:

System of Warming:

Notes:

References: CA, 272-3; Tatton-Brown, 72-2

Illustrations: CA, 272 P; TBI.1873/644, Vi

## **BODELWYDDAN [\*\*/SJ 0075]**

### **ST MARGARET, near St Asaph**

Built: 1856-60 by Holme & Nicol, Liverpool and John Thomas

Architect: John Gibson, Westminster

Heating Engineer:

System of Warming:

Notes:

References: JB, 690; TBI.1860/656-7

Illustrations: TBI.1860/656-7, P2 Ve

## **BRECON [26/SO 0428]**

### **CATHEDRAL OF ST JOHN THE EVANGELIST**

Built: Rebuilt C13-14, restored 1862-5

Architect: Restored by Sir George Gilbert Scott

Heating Engineer:

System of Warming:

Notes: Cathedral from 1923

References: CA, 274-5

Illustrations: CA, 275 P

## **CARDIFF [19/ST 1876]**

### **CATHEDRAL OF ST DAVID (RC)**

[Location, map 112]

Built: 1880s

Architect: Peter Paul Pugin

Heating Engineer: John Grundy, City Road, London

System of Warming: Grundy warm air stoves

Notes: Cathedral from 1920

References: CA, 277; advert in Dye, 22

Illustrations:

## **LLANDAFF [19/ST 1577]**

### **CATHEDRAL OF ST PETER AND ST TEILO**

Built: Norman, rebuilt after bomb damage

Heating Engineer: The London Warming & Ventilating Co Ltd, Regent Street, London

System of Warming: Gurney warm air stoves.

Notes: The worst damaged cathedral after Coventry. New heating installed by G N Haden & Sons in the 1950s {FJF}

References: CA, 291-94; advert in Dye, 22; Tatton-Brown, 72-3

Illustrations: CA, 291; TBI.1873/644, Vi

## **NEATH [\*\*/SS 7597]**

### **ST DAVID**

Built: 1864-6 by Jones & Son, Gloucester

Architect: John Norton, London

Heating Engineer: G N Haden & Son

System of Warming: Described as Haden's system, probably warm air

Notes: Installed c.1866

References: JB, 696; TBI.1868/430-1

Illustrations: TBI.1868/430-1, P Ve

## **NEWPORT [19/ST 3188]**

### **CATHEDRAL OF ST WOOLOS**

Built: Norman restored 1853-41

Architect: Restored by W G & E Habershon

Heating Engineer:

System of Warming:

Notes: Pro-cathedral 1921, full cathedral 1949

Between 1857 & 1907 the Habershon firm built 3 Anglican churches and 14 chapels for 6 denominations

References: BW/GM, 422-8; CA, 298 P

Illustrations: BW/GM, 426 P; CA, 298 P

**ST ASAPH [45/SJ 0374]**

CATHEDRAL OF ST ASAPH

Built: C13, restored 1869-75

Architect: Restored by Sir George Gilbert Scott  
{DA, 597-8}

Heating Engineer:

System of Warming:

Notes:

References: CA, 300-1

Illustrations:

**ST DAVID'S [16/SM 7525]**

CATHEDRAL OF ST DAVID

Built: Begun c.1180, restored 1846 & 1862-78

Architect: Restored by Sir George Gilbert Scott

Heating Engineer: G N Haden & Son

System of Warming:

Notes:

References: CA, 301-6: HA: Tatton-Brown, 72-3

Illustrations: CA, 302 P: TBL1873/644, Vi

**WREXHAM [46/SJ 3350]**

CATHEDRAL OF ST MARY (RC)

Built: 1857

Architect: Edward Welby Pugin {DA, 524}

Heating Engineer:

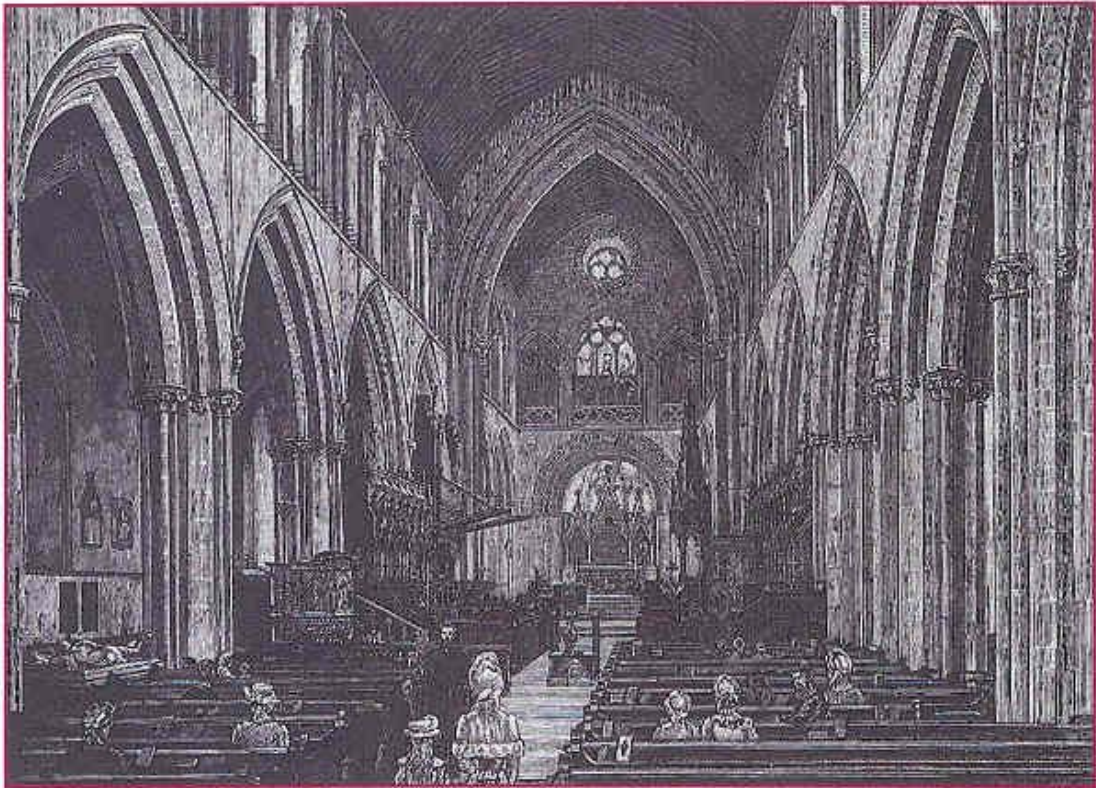
System of Warming:

Notes: Cathedral from 1898

References: CA, 315

Illustrations:

# WALES



## LLANDAFF CATHEDRAL CARDIFF

Heating by Gurney warm air stoves by The London Warming & Ventilating Co Ltd  
[Cathedrals & Abbeys of England & Wales, 1891, p.297]

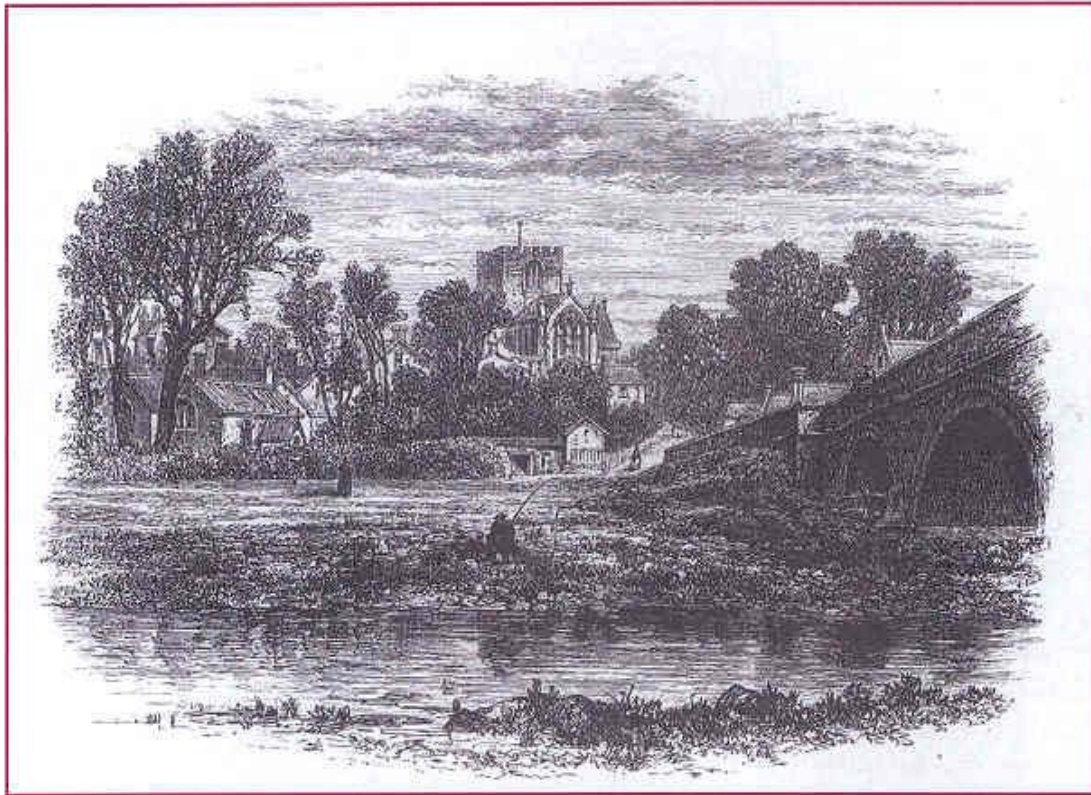
## WALES



### **ALL SAINTS CHURCH, LLANELLI CARMARTHENSHIRE**

Heating by a Perkins high pressure hot water system. The photo shows the Perkins furnace with pipe coils in brickwork (now converted to oil firing) with five return circuits (back right)  
[Photograph: Frank Ferris]

# WALES



## **ST ASAPH CATHEDRAL DENBIGHSHIRE**

Heating by Gurney warm air stoves by The London Warming & Ventilating Co Ltd  
[Cathedrals & Abbeys of England & Wales, 1891, p.284]



# WALES



## **BETHLEHEM CHAPEL, TREORCHY**

### **RHONDDA CYNON TAFF**

Heated by a Perkins' high pressure hot water system: the picture shows the distribution piping at floor level and fitting around the columns

[Photograph: Frank Ferris]

## Heating in Churches: Warwickshire

### WARWICKSHIRE

An English county, 50 miles in length, and 35 in breadth; bounded by Worcestershire, Oxfordshire, Gloucestershire, Northamptonshire, Leicestershire, and Staffordshire. It contains 158 parishes, and 17 market towns.

**Warwick.** It contains two parish churches, and in that of St Mary's are several handsome tombs.

**Birmingham.** There are several churches, built in a good style of architecture...

*Now partly West Midlands*

#### **BIRMINGHAM** [West Midlands SP0786]

##### **CATHEDRAL CHURCH OF ST PHILIP**

Central Birmingham

Built 1710-15 by Francis Smith, Warwick. *Thomas Archer*, cathedral from 1905. Described by Pevsner as a most subtle example of the elusive English Baroque.

Heating by \*

[] BE/W, 106-9: CA, 159: CE/N, 32-38: Cormack, 140

#### **CATHEDRAL OF ST CHAD (RC)**

Central Birmingham

Built mainly 1839-41, completed 1856, *Augustus Welby Northmore Pugin* in red brick, located in what used to be the gunmakers' quarter.

Heating by \*

[] BE/W, 110-12: CA, 159: Curl VC, 23

#### **ST ALBAN THE MARTYR**

Conybere Street, Bordesley

Built 1879-81 *John Loughborough Pearson* with 1938 additions

Heating by \*

[] BE/W, 129-30: JB, 563

#### **ST JAMES**

Elvetham Road\*, Edgbaston

Built 1851-2, *Samuel Sanders Teulon* at a cost of £3,000, designed to hold a large congregation (\* Elvetham is in Hampshire. Teulon later built there and at Ryde for the Calthorpe family)

Heating by \*

[] BE/DO, 165: JB, 563

#### **WYCLIFFE CHAPEL**

Bristol Road/St Luke's Street

Built c.1864 by Joseph Hardwick, Joseph Street, Birmingham, *James Cranston*, Birmingham  
Ventilation by Muir & Sons, Manchester, Patent ventilators (ventilation turrets). Muir also listed as inventor

[] TBI.1864/98-9 (P, Ve)

#### **COVENTRY** [West Midlands SP3378]

##### **ST JOHN THE BAPTIST**

Founded 1342, mainly C15, restored 1877 by *Sir George Gilbert Scott*

BE/W, 261-2: [] JB, 564

#### **HAMPTON LUCY** [SP2557]

##### **ST PETER AD VINCULA**

Built 1822-6 for the Rev John Lucy, by *Henry Hutchinson*, *Thomas Rickman* completed 1856 by *Sir George Gilbert Scott*

Heating by G & J Haden, Trowbridge, using a Haden warm air stove, installed c.1835

[] BE/W, 305-6: JB, 565: Jenkins, 709-10:

WRO.1325

#### **LEAMINGTON SPA** [SP3165]

##### **ALL SAINTS**

Designed by the Rev John Craig with the help of a local architect *J C Jackson*, built 1843-69, additions 1898-1902 by *Sir Arthur William Blomfield* The scale of work described by Betjeman as gigantic, by Pevsner as out of the ordinary.

Heating by G N Haden & Sons

[] BE/W, 333-4: JB, 566

#### **ST MARK**

Rugby Road

Built 1873-9, by G F Smith of Milverton, *George Gilbert Scott Jr* one of his principal surviving works. The location given in TBI is Milverton.

Heating by G N Haden & Son using Haden's hot air apparatus

[] BE/W, 334: JB, 566: TBI.1880ii/526-8 (P, Ve)

## Heating in Churches: Warwickshire

### RUGBY [SP5075]

ST ANDREW

C14-C15, greatly enlarged 1877-85, *William Butterfield* at a cost of £20,000, spire added 1894-6 for £10,000 (Pevsner said Rugby was Buttersfield town.)

Heating by \*

[] BE/W, 384-5: JB, 567

CHAPEL OF RUGBY SCHOOL

Built 1870-72, *William Butterfield*

Heating by \*

[] BE/W, Rugby School 387-90: Curl VC, 69

### ULLENHALL [SP1267]

ST MARY THE VIRGIN

Built 1875, *J P Seddon*, cost £5,000, the design has been called idiosyncratic

Heating by \*

[] BE/W, 437: JB, 568

### WARWICK [SP2865]

ST MARY

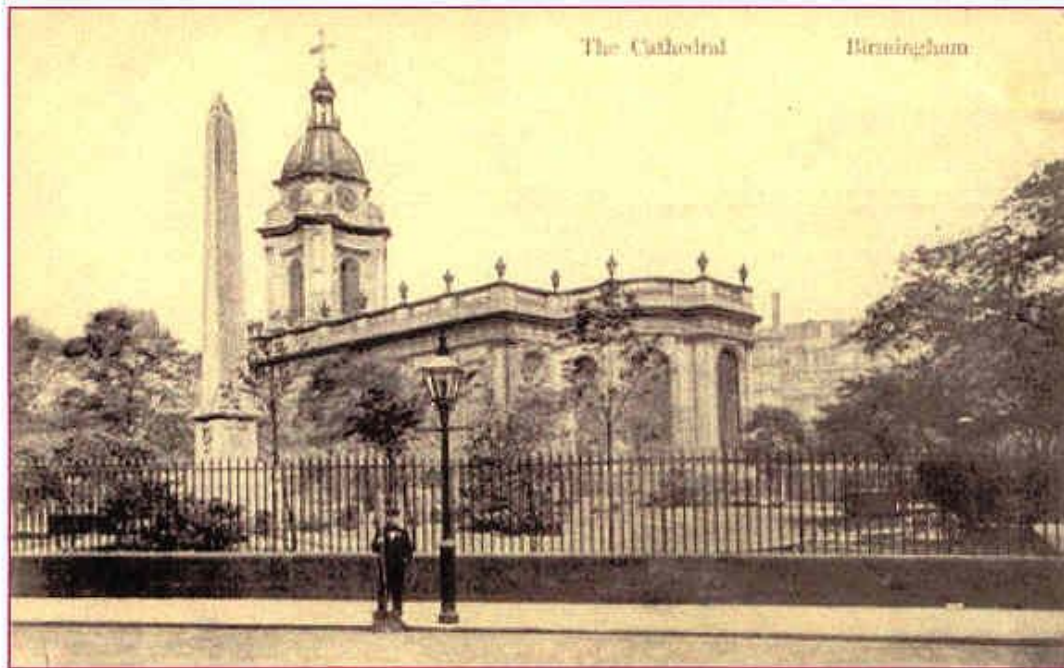
Pre-Conquest foundation, contains the famous C15 Beauchamp Chapel and tombs, much rebuilding and additions, W tower early C18, *William Wilson*, generally considered the most notable church in Warwickshire. Some rebuilding 1885 by *William Butterfield* (In the East room of the Chancel there is a Gothick fireplace, c.1700)

Heating by \*

[] BE/443-51: JB, 568; Jenkins, 713-6

Heating in Churches: Warwickshire

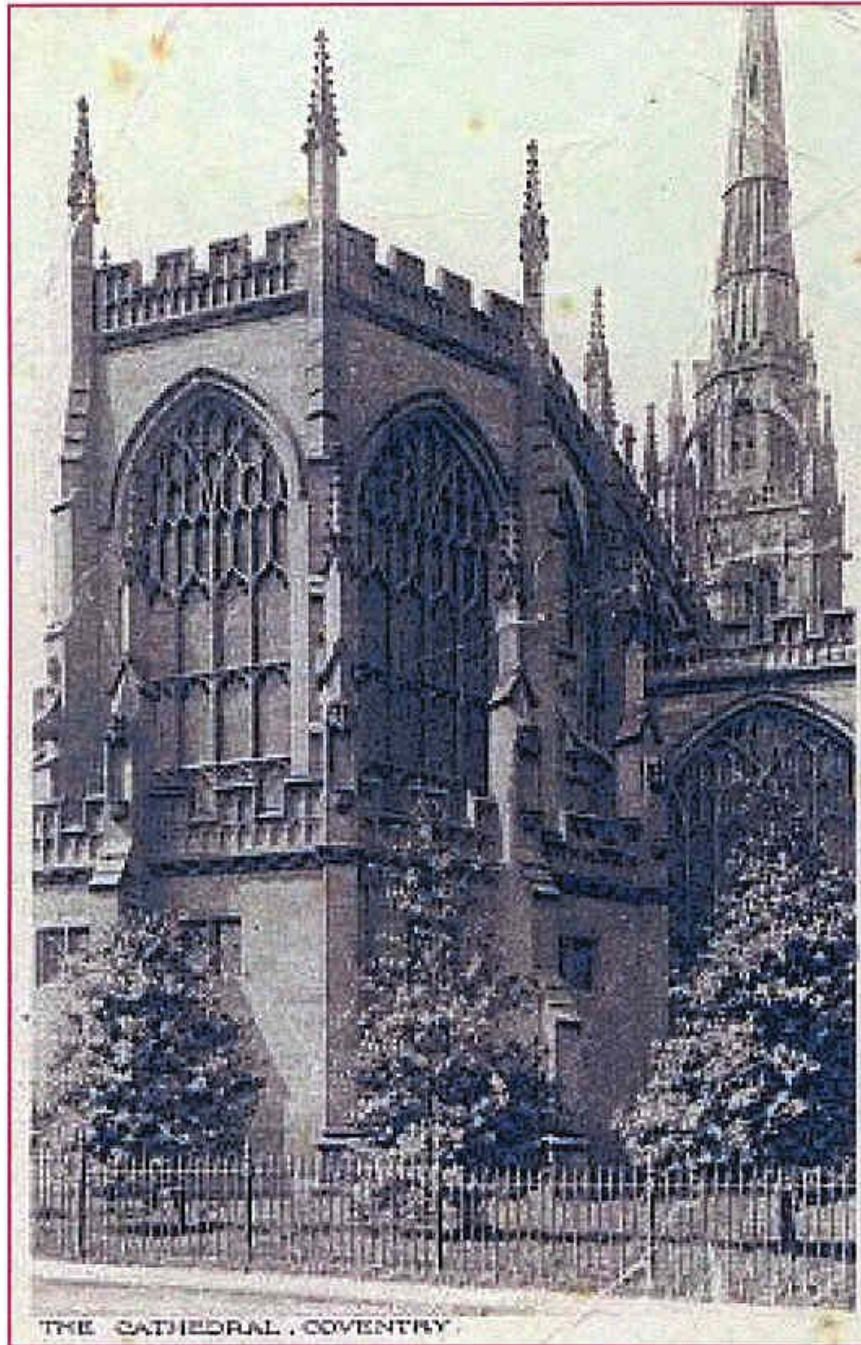
## WARWICKSHIRE



### **BIRMINGHAM CATHEDRAL** CATHEDRAL CHURCH OF ST PHILIP

It is known that in 1889 Henry Lea (now Hoare Lea & Partners) was involved in the design of the heating chamber  
[Postcard]

## WARWICKSHIRE



### **COVENTRY CATHEDRAL**

CATHEDRAL CHURCH OF ST PHILIP (the original)

Cathedral from 1918. A new cathedral to a modern design by Basil Spence, with contributions from many famous artists, was opened in 1962

## Heating in Churches: Wiltshire

### WILTSHIRE

An English county, bounded by Somersetshire, Gloucestershire, Berkshire, Hampshire, and Dorsetshire, being 54 miles in length, and 33 in breadth. It contains 304 parishes, and 21 market towns.

**Salisbury.** It has several handsome buildings, particularly the cathedral, which is a stately, handsome building, with a lofty spire.

#### BEMERTON [SU1230]

##### ST JOHN

Memorial Church to George Herbert  
Pevsner states built for the Pembrokes of Wilton  
Built 1860-1 by T B Miles, Shaftesbury  
*Thomas Henry Wyatt*  
Heating by G N Haden & Son, installed 1861, prob.  
Haden warm air stove  
[] BE/WI, 107: TBI.1861/266 (P, Ve)

#### CHUTE FOREST [SU3151]

##### ST MARY

Built 1870-5, *John Loughborough Pearson* in the  
Early English style  
Heating by \*  
[] JB, 582

#### COMPTON BASSETT [SU0372]

##### ST SWITHIN

Victorian restoration 1862 and 1866  
*John Colson*, then *Henry Woodyer*  
Heating by G & J Haden, Trowbridge, later G N  
Haden & Son, Haden warm air stove, installed  
c.1840  
[] BE/WI, 188-9: JB, 582: WRO. 1325

#### MALMESBURY [ST9387]

##### THE ABBEY

Built 1160-70  
Heating by The London Warming &  
Ventilating Co Ltd., London, Gurney warm air  
stoves, installation date unknown. System replaced  
1928 by Pipeless Heating Co. Later, again replaced,  
now air handling unit warm air system  
{FJF.2001}  
[] BE/WI, 321-7: Jenkins, 731-3: Watkin EA, 22-3

#### MELKSHAM [ST9063]

##### ST MICHAEL

Originally Norman, mainly Perpendicular and late  
C13, restored 1845 by *Thomas Henry Wyatt* and  
1881 by *George Edmund Street*  
Heating by G & J Haden, Trowbridge, later G N  
Haden & Son, Haden warm air stove, installed  
c.1827. Order recorded in Haden Order Book, 31  
December 1826  
[] BE/WI, 342-3: WRO.1325

#### MERE [ST8132]

##### ST MICHAEL

Dates from C14 with mid-C19 alterations. In 1855  
the pews (1640) were raised onto wooden platforms  
to avoid contact with the cold floor.  
Early heating by a Perkin's high pressure hot water,  
small-bore system, which is still retained  
connected to a gas-fired low pressure hot water  
boiler (sealed system). Heating surface obviously  
inadequate. The original stove system is long gone.  
Its floor ducts and gratings are still there, but not in  
use {FJF.2001}  
[] Jenkins, 733-4

#### OARE [SS8047]

##### HOLY TRINITY

Built 1857-8, *Samuel Sanders Teulon* in the  
Romanesque style  
Heating by \*  
[] JB, 585

#### POTTERNE [ST9958]

##### ST MARY

Mainly C13, architect *unknown*, church described  
as rare intact early Gothic  
Heating by G & J Haden, Trowbridge, later G N  
Haden & Son, Haden size 3 warm air stove,  
installed 1832. Order recorded in Haden Order  
Book, August 1832  
[] BE/WI, 371: JB, 586: Jenkins, 736: WRO.1325

## Heating in Churches: Wiltshire

### **SALISBURY [SU1429]**

#### **CATHEDRAL CHURCH OF THE BLESSED VIRGIN MARY**

Built 1220-58, some Victorian restoration by *Sir George Gilbert Scott*. Cathedral has the tallest spire in England at 404 feet, c.1302

Heating by The London Warming & Ventilating Co Ltd, London. 12-Gurney warm air stoves, installed c.1880. Originally coal burning, later fired on anthracite cobs, each consuming 4 cwt per day in cold weather. Stoves now removed, but one kept standing in cloisters and used as a collection box for donations. East portion cathedral provided with electric underfloor heating 1967. MTHW heating installed in 1970, 2 x 2 million Btu/h oil-fired Allen Ygnis boilers serving 36 fan-convectors and skirting heaters. {FJF.2001 & BMR}

{“Oil-fired boilers replace Victorian stoves,” H&VE, December 1970, 307-8.”}

[] BE/WI, 389-425: CA, 107-11 (P): CAEW, 148-54 (Ve, 2Vi): CE/S, 261-86 (P from TB.1891, also Ve, 2Vi): Cormack, 74-7: Dye, 22 (ad)

### **TROWBRIDGE [ST8557]**

#### **THE TABERNACLE**

Congregational), Church Street

Built 1882, *Paul & Bonella* Notes, church was used by the Haden family who were also lay preachers and superintendents

Heating believed to be G N Haden & Son, low pressure hot water heating. The present heating system is a mixture of finned-tube radiators, Haden Foundry radiators and newer cast-iron column radiators {FJF.2001}

(In 1940, the Nelson Haden Comprehensive School was built in Frome Road. This may have been the only school named after a heating engineer)

{FJF.2001}

[] BE/WI, 533-4

### **WESTBURY [ST8751]**

#### **ALL SAINTS**

Built in Perpendicular style, part restored 1847, *Thomas Henry Wyatt*

Heating by G & J Haden, Trowbridge, later G N Haden & Son, Haden warm air stove, installed c.1830. Order entered in Haden Order Book, 8 November 1830

[] BE/Wi, 559-60: WRO.1325

### **WILTON [SU0931]**

#### **ST MARY AND ST NICOLAS**

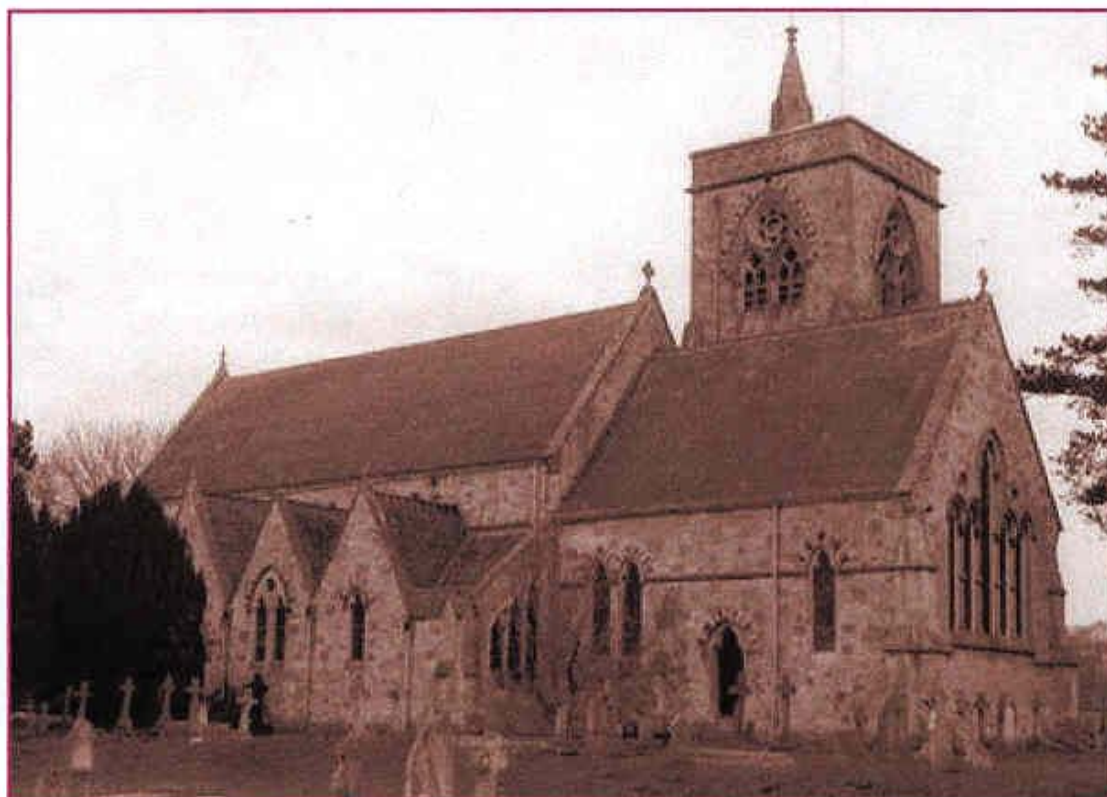
Built 1841-5, *Thomas Henry Wyatt* and *David Brandon*. This church is considered to be the “masterpiece” of these two architects. Built for the Rt Hon Sidney Herbert, Secretary of War, cost £20,000

Heating by \*

[] BE/WI,577-9: Curl VC, 57-9: JB, 588: Jenkins, 739

Heating in Churches: Wiltshire

## WILTSHIRE



### **BEMERTON**

ST JOHN

Heating by G N Haden & Son installed 1861, probably a warm air stove



**WILTSHIRE**



**HIGHWORTH**

**PARISH CHURCH OF ST MICHAEL**

Low pressure hot water heating system by Vincent Skinner of Bristol  
using a variety of pipe coil heating assemblies, c.1895

[Photograph: Frank Ferris]

Heating in Churches: Wiltshire

## WILTSHIRE

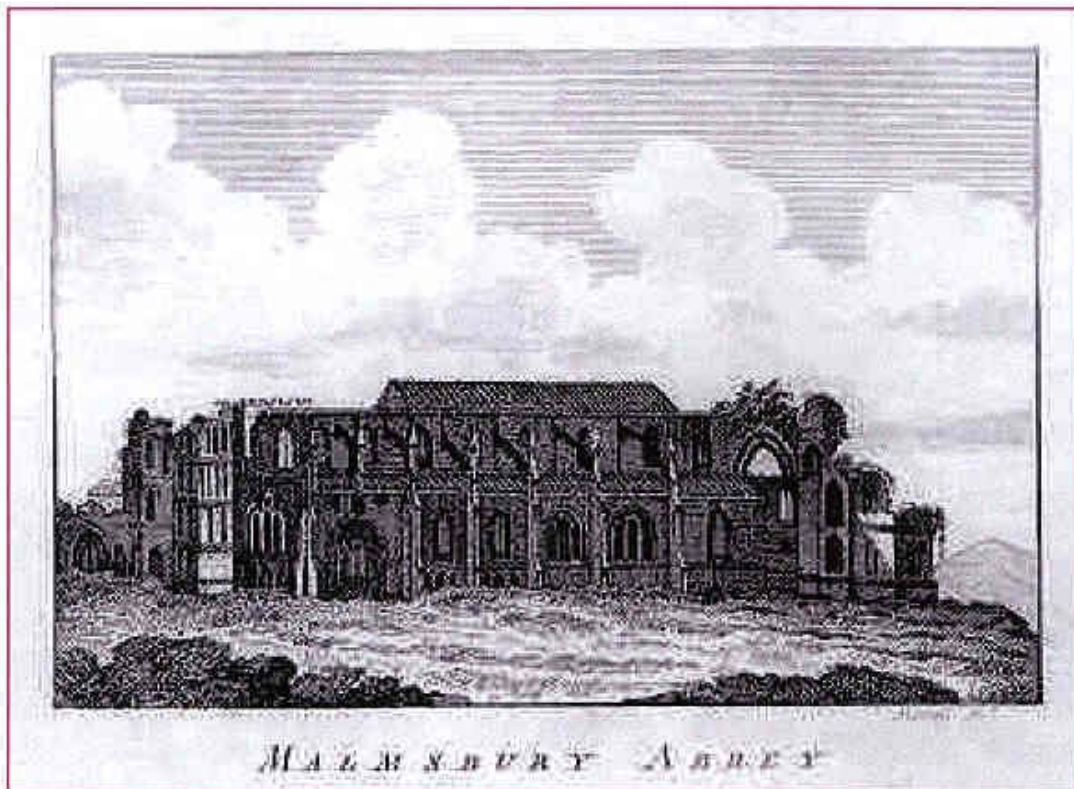


### LACOCK ABBEY

The 1870s hot water heating system employs a variety of box-end pipe coils and pedestals  
The Victorian kitchen range is by Sidney Flavel of Leamington Spa  
[Photographs: Frank Ferris]

Heating in Churches: Wiltshire

## WILTSHIRE

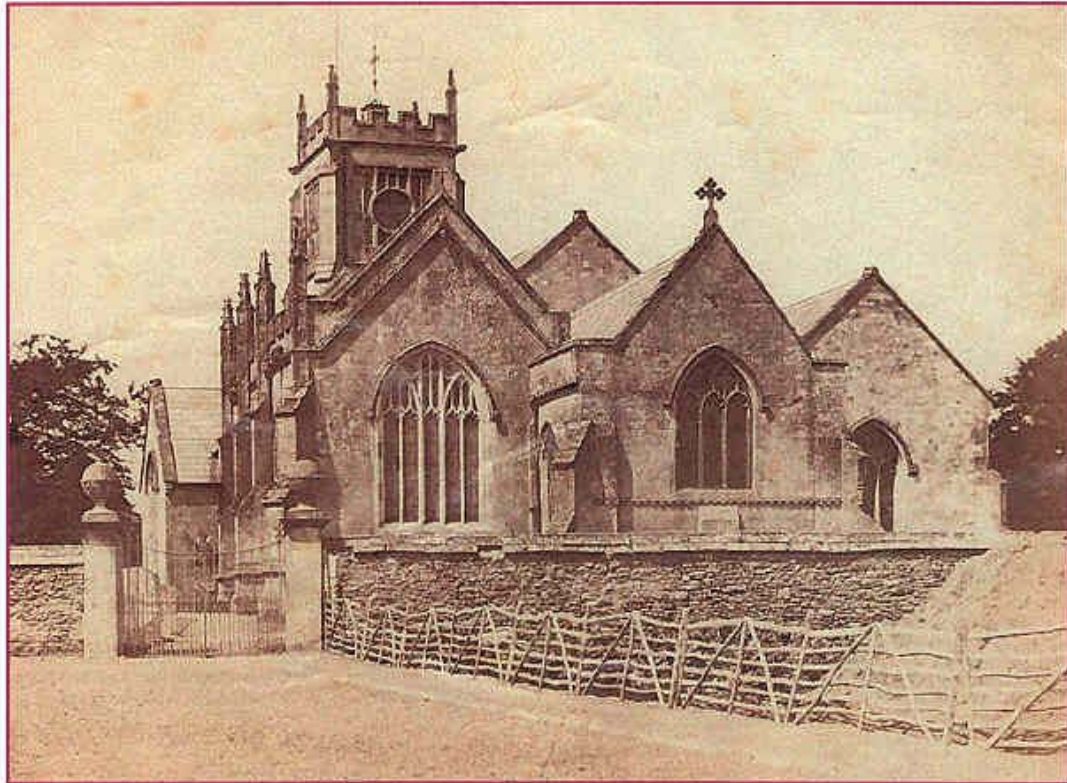


### **MALMESBURY ABBEY**

Heating by Gurney warm air stoves by The London Warming & Ventilating Co Ltd  
[Early engraving from 1804, note spelling of title]

Heating in Churches: Wiltshire

## WILTSHIRE

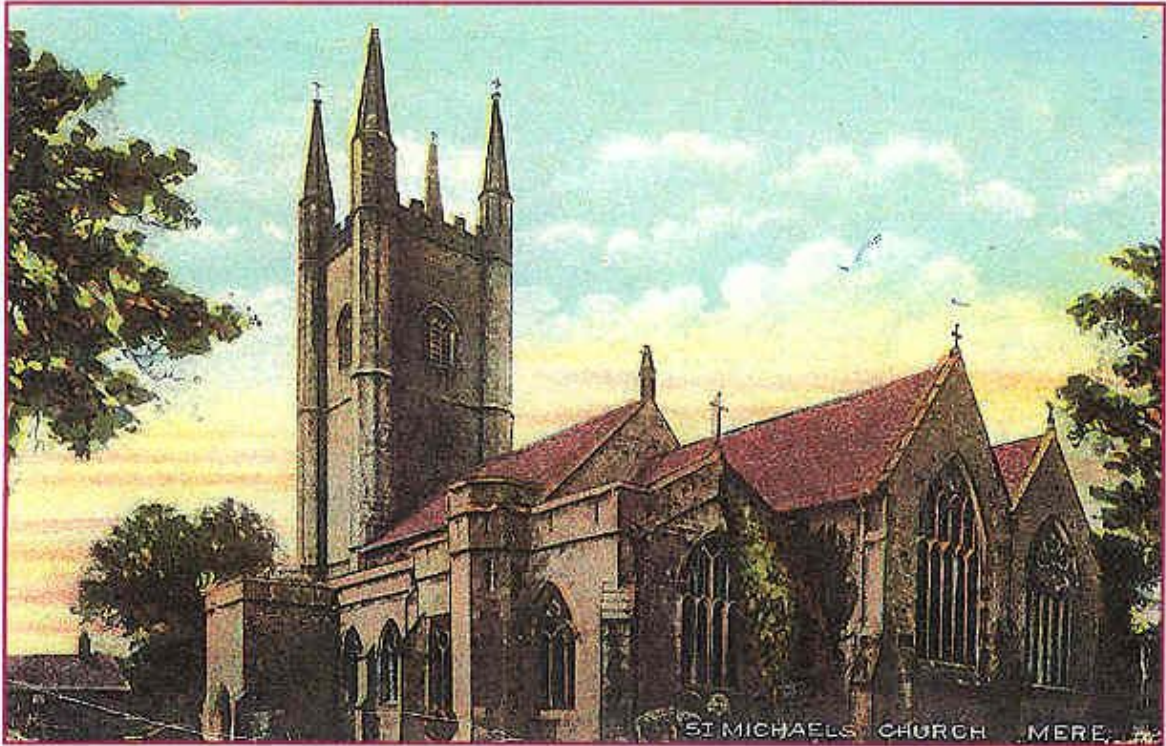


### MELKSHAM ST MICHAEL

Heating by a Haden warm air stove by G & J Haden as they then were, 31 December 1826

**Heating in Churches: Wiltshire**

**WILTSHIRE**



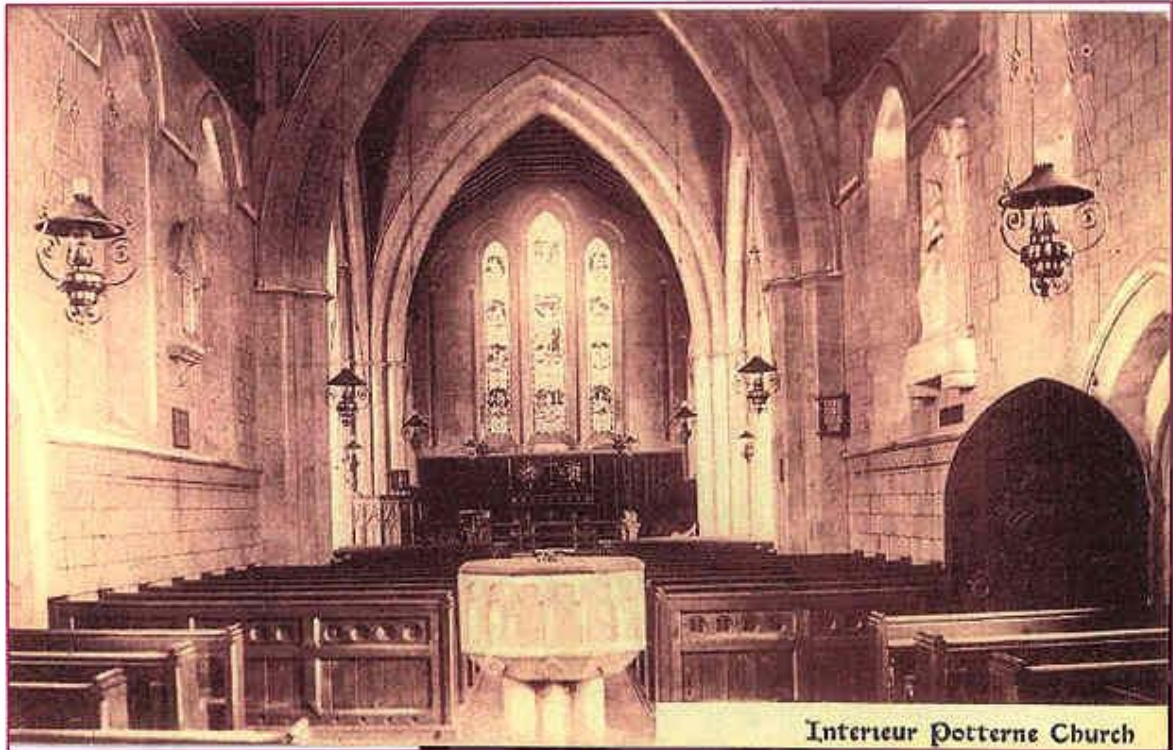
**MERE**

**ST MICHAEL**

Early heating by a Perkins' high pressure hot water system

Heating in Churches: Wiltshire

## WILTSHIRE

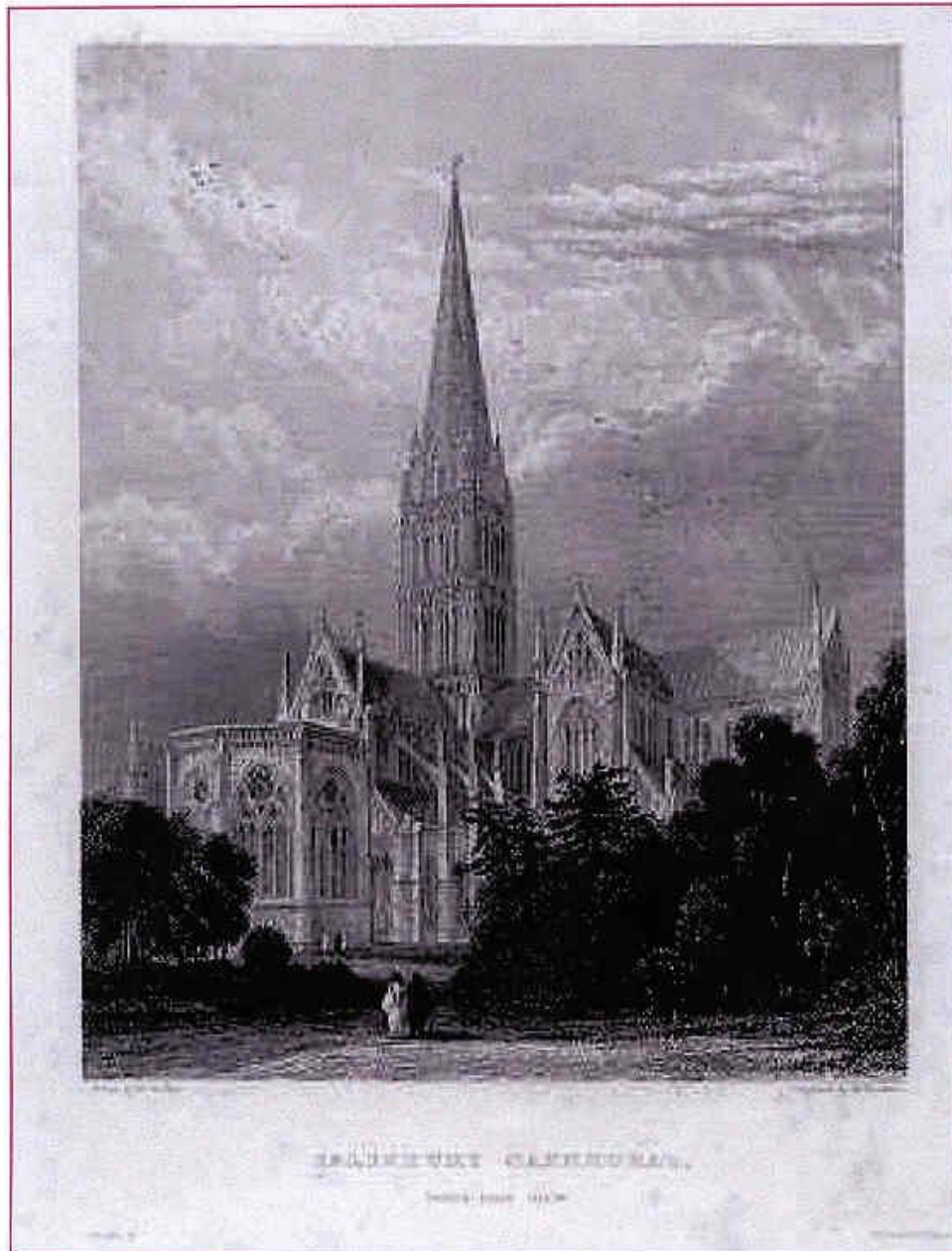


Interieur Potterne Church

### POTTERNE ST MARY

Heating by a size No.3 Haden warm air stove, 1832 by G & J Haden as they then were  
[Photograph 1905]

**WILTSHIRE**



**SALISBURY CATHEDRAL**

CATHEDRAL CHURCH OF THE BLESSED VIRGIN MARY

Heating by Gurney warm air stoves by The London Warming & Ventilating Co Ltd  
[Early engraving, date unknown]

Heating in Churches: Wiltshire

## WILTSHIRE



### **TROWBRIDGE** THE TABERNACLE

Heating by a low pressure hot water system, c.1882, which includes Haden radiators and was almost certainly by G N Haden & Son, as this was the Haden family church  
[Picture from Hadens of Trowbridge, Ferris, Roberts & Yunnie]



**WILTSHIRE**

**TO GEORGE HADEN –DIED OCT 29 1856  
BY HIS SON –GEORGE NELSON HADEN**

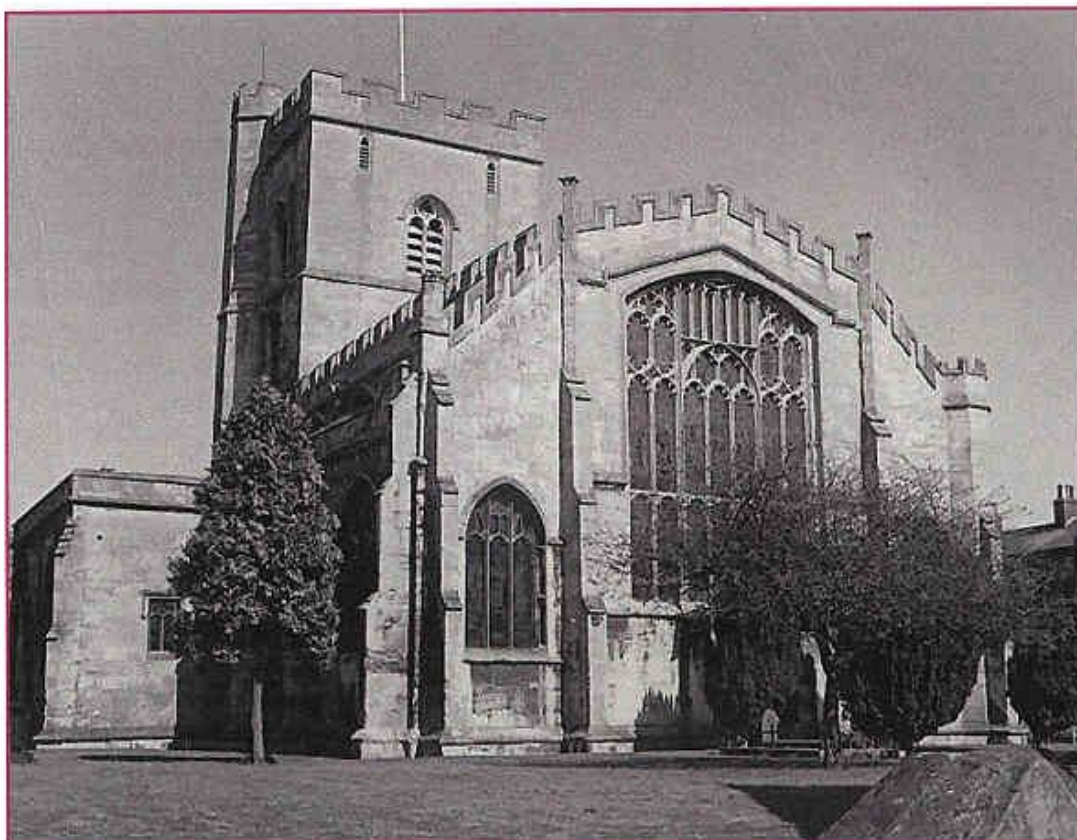


**TROWBRIDGE  
THE TABERNACLE**

Memorial stained glass window [Photograph: Frank Ferris]

Heating in Churches: Wiltshire

## WILTSHIRE



### WESTBURY

ALL SAINTS

Haden warm air stove by G & J Haden c.1830; heating later upgraded by G N Haden & Son

## Heating in Churches: Worcestershire

### WORCESTERSHIRE

An English county, bounded by Warwickshire, Gloucestershire, Herefordshire, Staffordshire, and Shropshire, being about 33 miles in length, and 30 in breadth. It contains 152 parish churches, and 12 market towns.

**Worcester.** Here are 9 parish churches.....

*Now Hereford & Worcester*

#### CROOME D'ABITOT

[Hereford & Worcester]

##### ST MARY MAGDALENE

Built 1763 by *Robert Adam* and *Lancelot (Capability) Brown* originally set in *Croome Park*  
Heating by \*  
[] JB, 593

#### GREAT MALVERN

[Hereford & Worcester SO7845]

##### THE PRIORY CHURCH

##### (ST MARY AND ST MICHAEL)

Norman, formerly Benedictine Priory, mainly C12-C13  
Heating by \*  
[] JB, 593; Jenkins, 748

#### GREAT WITLEY

[Hereford & Worcester SO7566]

##### ST MICHAEL

Built poss. *James Gibbs* described by *Betjeman* as one of the finest Baroque churches in the country  
Heating by \*  
[] JB, 594; Jenkins, 749

#### HANBURY [Hereford & Worcester SO9664]

##### ST MARY

Late C18, W tower 1793, chancel and chapel rebuilt 1861, *George Edmund Street*  
Heating by Haden warm air stove No.2114, size 2, 20 January 1862  
{FJF.2003}  
[] JB, 594

#### NEWLAND [Hereford & Worcester SO7948]

##### ST LEONARD

Built 1862-4 in C14 style, *Philip Charles Hardwick*  
Heating by \*  
[] JB, 595

#### OMBERSLEY [Hereford & Worcester SO 8463]

##### ST ANDREW:

Built 1825-9, *Thomas Rickman*

Heating by Robert Howden, London, warm air Gothic stove marked "Robert Howden, Inventor and Patentee, Old St Road, London," described as "High Gothic iron" by Pevsner {PGY.1997: FJF.2001 & PGY}  
[] BE/WO, 229: JB, 595; Hutton, 218-9; Robinson, 167 (stove)

#### PERSHORE [Hereford & Worcester SO6052]

##### THE ABBEY

Norman, restoration 1862-5 by *Sir George Gilbert Scott* then early C20. Interior described as "superlative...one of the best in the country"  
Heating by \*  
[] BE/WO, 235-41: CAEW, 430-5 (Ve, Vi); Jenkins, 751-2

#### POWICK [Hereford & Worcester SO8351]

##### STANBROOK ABBEY

Built 1878-80, *Edward Welby Pugin*  
Heating by \*  
[] BE/WO, 246: TBI.1878/352 (Vi)

#### TENBURY WELLS

[Hereford & Worcester SO5968]

##### ST MICHAEL AND ALL ANGELS

Built 1854-6, *Henry Woodyer* for the College founded by the composer *Sir Frederick Gore Ouseley*.  
Heating by \*  
[] JB, 596

#### WORCESTER [Hereford & Worcester SO 8554]

##### CATHEDRAL CHURCH OF CHRIST AND ST MARY

Norman, restored from 1857, *A E Perkins*, then 1864-74 *Sir George Gilbert Scott*  
Heating by London Warming & Ventilating Co Ltd, Gurney stoves, one remaining disconnected in cloisters serving as collection box {FJF.2001}.  
[] BE/WO, 295-316 (P); CA, 202-6 (P); CAEW, 131-9 (2Ve, Vi); CE/N, 314-34 (P from TB.1892, also Ve, Vi); Clifton-Taylor, 275 P; Cormack, 88-91

##### ST GEORGE

St George's Square

Built 1893-5, *Sir Aston Webb*  
Heating by \*  
[] BE/WO, 318: JB, 597

Heating in Churches: Worcestershire

## WORCESTERSHIRE



### CROPTHORNE

ST MICHAEL

Heating by late Victorian low pressure hot water system using decorated box-end coils  
[Photograph: Frank Ferris]

**WORCESTERSHIRE**



**OMBERSLEY**

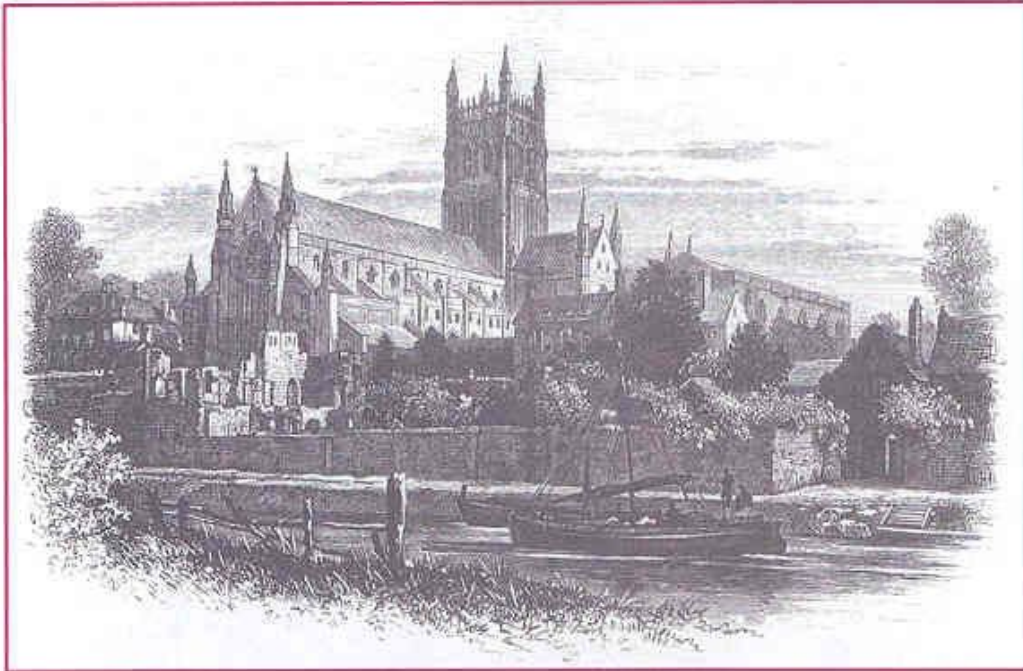
ST ANDREW

Warm air Gothic stove by Robert Howden of London

[Heritage Group Collection]

**Heating in Churches: Worcestershire**

## **WORCESTERSHIRE**



### **WORCESTER CATHEDRAL**

**CATHEDRAL CHURCH OF CHRIST AND ST MARY**

Heating by Gurney warm air stoves by The London Warming & Ventilating Co Ltd  
[Cathedrals & Abbeys of England & Wales, 1891, p.132]

## Heating in Churches: Yorkshire

### YORKSHIRE

*Originally comprising East, North & West Ridings.*

The largest county of England. It lies on the North Sea, and is bounded by the counties of Durham, Westmoreland, Lancaster, Chester, Derby, Nottingham, and Lincoln. It is about 100 miles in its greatest length, and 90 in its extreme breadth.

**York, North Riding.** ....containing about 30 parish churches and chapels, besides its cathedral or minster, which is a most magnificent structure.

*Now East Riding, North, South & West Yorkshire, and Humberside*

#### **BEVERLEY, East Riding**

[Humberside TA0339]

##### THE MINSTER

Built C11, then C13 with C18 restoration by *Nicholas Hawksmoor* Victorian restoration 1866-68, *Sir George Gilbert Scott*

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

[] CA, 202 (P): CAEW, 392-8 (Ve, 2Vi)

#### **BINGLEY, West Riding**

[West Yorkshire SE1039]

##### BAPTIST CHAPEL

Park Road

Built 1878, *F Bartram Payton*, Bradford

Heating by Taylor & Parsons, poss. Howarth's hot air system (as Boston Spa Congregational Church)

[] BE/YW, not listed: TBI.1878/110 (Ve)

#### **BOSTON SPA, West Riding**

[West Yorkshire SE4245]

##### CONGREGATIONAL CHURCH:

Built c.1876. *F Bartram Payton*, Bradford

Heating by Taylor & Parsons, Bradford using Howarth's hot air system, c.1876. Howarth is described as inventor

[] BE/YW, not listed: TBI.1877/1272 (Ve)

#### **BRADFORD, West Riding**

[West Yorkshire SE1632]

##### CATHEDRAL AND PARISH CHURCH OF ST PETER

Built C15, cathedral from 1919

Heating by \*

[] CA, 213: CAEW not listed, not a cathedral in 1891: CE/N, 39: Cormack, 141

#### **DONCASTER, West Riding**

[South Yorkshire SE5703]

##### ST GEORGE

Built 1854-8, *Sir George Gilbert Scott*

Described as one of Scott's best churches. His biggest town church, it replaced the medieval church, destroyed by fire in 1853

Heating by G N Haden & Sons:

[] BE/YW, 181-2: JB, 651: Jenkins, 791-2

#### **EASINGWOLD, North Riding**

[North Yorkshire SE5269]

##### ST JOHN EVANGELIST (RC)

Long Street

Built 1830-3, altered 1870 by *Matthew Ellison Hadfield & Son*

Heating by John Metcalf, Preston, low pressure hot water heating, installed between 1873-1910

[] BE/YN, 149: Metcalf, 41

#### **HALIFAX, West Riding**

[West Yorkshire SE0925]

##### ALL SOULS

Haley Hill, Boothtown (Akroydon)

Built 1856-9, *Sir George Gilbert Scott*

Considered by Scott at the time to be his best church. Given by Col. Akroyd

Heating by Ebenezer Thornton, Huddersfield, type of system unknown, installed 1856

[] BE/YW, 234: Dixon, 198: JB, 653:

TBI.1859/729 (Ve)

#### **HULL (KINGSTON UPON HULL)**

**East Riding** [Humberside TA0928]

##### WESLEYAN CHAPEL

Beverley Road

Built poss. 1865, by poss. *William Botterill* (architect for the Schoolroom)

Heating by A M Perkins & Son, London Perkin's high pressure hot water small-bore system, installed before 1897

[] BE/YE, 1995 lists Schoolroom built 1865, later Masonic Hall: Dye, 3 (ad)

#### **LEEDS, West Riding**

[West Yorkshire SE2933]

##### CATHEDRAL CHURCH OF ST ANNE (RC)

Cookridge Street

Built 1902-4, *John Henry Eastwood*, cathedral from 1878, it was rebuilt on a new site

Heating by \*

[] BE/YW, 309-10: CA, 236-7: CE/N, 180

## Heating in Churches: Yorkshire

### ALL SOULS

Blackman Lane, Hook  
Built 1876-80. Sir George Gilbert Scott  
completed by his son John Oldrid Scott  
Heating by \*  
[] BE/YW, 323

### MIDDLESBROUGH, North Riding

[North Yorkshire NZ 4919]  
CATHEDRAL CHURCH OF ST MARY (RC)  
Sussex Street  
Built 1872-8, *George Goldie* and *Charles Edwin Child* Replaced church of 1848, cathedral from 1878  
Heating by \*  
[] BE/YN, 248; CA, 245-6; CE/N, 245

### ST JOHN EVANGELIST

Marion Road  
Built 1864-6, steeple 1883, *John Norton*, London  
Heating by G N Haden & Son, prob. by warm air  
stoves, installed c.1865  
[] BE/YN, 249; JB, 630; TBI.1865/872-3 (P, Ve)

### RIPON, West Riding

[North Yorkshire SE3171]  
CATHEDRAL CHURCH OF ST PETER AND ST  
WINIFRED  
Built 1154-1260, cathedral from 1836  
Heating by \*  
[] BE/YE, 403-11; CA, 252-4 (P); CAEW, 155-9  
(Ve, Vi); CE/N, 287-97 (P from TB.1893); Clifton-  
Taylor, 272 (P); Cormack, 118-120 TBI.1869/417,  
426, (3Ve)

### SHEFFIELD, West Riding

[South Yorkshire SK 3587]  
CATHEDRAL OF ST PETER AND ST PAUL  
Built early C15 or before, restored 1880  
*W Flockton*, cathedral from 1914, enlarged and  
rebuilt from 1936 incorporating the old.  
[] BE/YW, 450-1; CA, 259-60 (P); CAEW not  
listed, as not a cathedral in 1891; CE/N, 297-8;  
Cormack, 147

### CATHEDRAL CHURCH OF ST MARIE (RC)

Norfolk Row  
Built 1846-50, *John Grey Weightman* and *Matthew  
Ellison Hadfield* Cathedral from 1980  
Heating by \*  
[] BE/YS, 451-2; CE/N, 299

### WAKEFIELD, West Riding

[West Yorkshire SE 3320]  
CATHEDRAL CHURCH OF ALL SAINTS  
Built from c.1420, restored 1858-74, *Sir George  
Gilbert Scott* and *J T Micklethwaite*  
Cathedral from 1888, tallest spire in Yorkshire 247  
feet  
Heating by \*  
[] BE/YW, 527-9; CA, 262; CAEW, 276-9 (Vi);  
CE/N, 313-4; Cormack, 148

### WHITBY, North Riding

[North Yorkshire NZ8911]  
ST MARY  
C12, remodelled C18 interior, perched on a hill  
looking down on the harbour, reached by 199 steps.  
Heated by a solid-fuel stove marked "Tangye" and  
"St Mary"?, still in place. Comprises six sections,  
mounted one above the other, all on a base tray.  
(There was a Birmingham engineering firm called  
Tangye Bros but a connection has not been  
discovered)  
{DD.2001}  
JB, 637-8

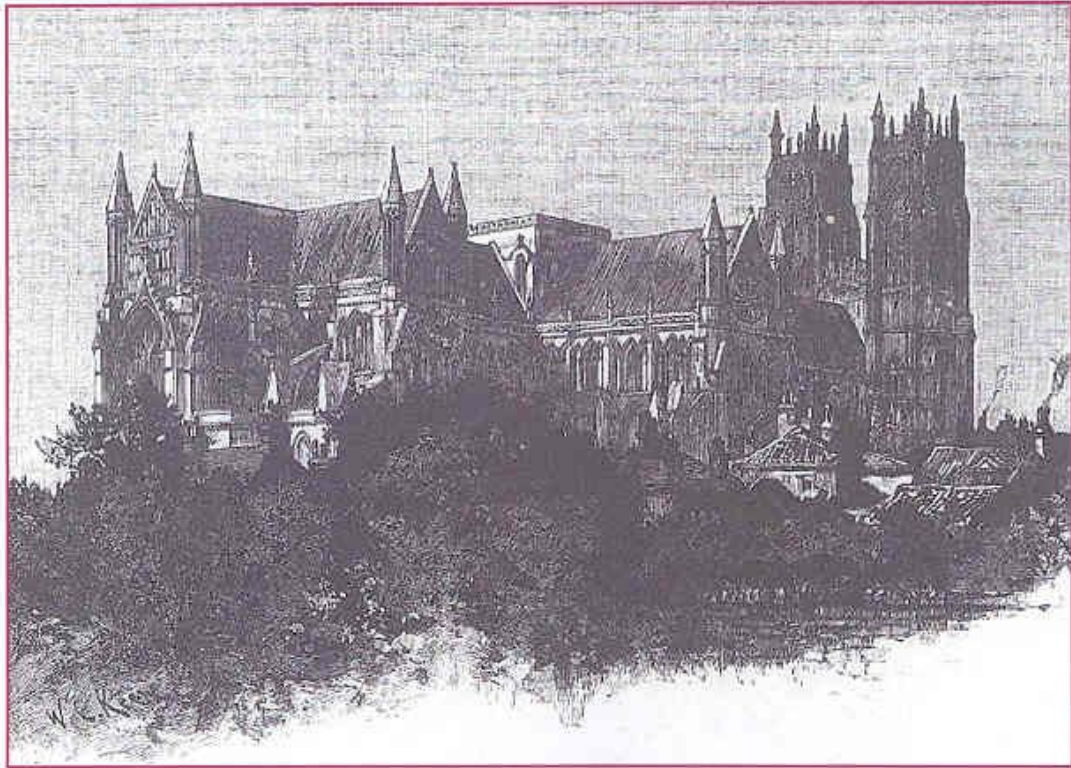
### YORK, North Riding

[North Yorkshire SE 6051]  
THE MINSTER  
CATHEDRAL AND METROPOLITAN  
CHURCH OF ST PETER  
Built 1227-70, restoration from 1829 *Sir Robert  
Smirke*, 1868-81 by *George Edmund Street* from  
1882-1907 by *William Frederick Bodley*  
The Minster was severely damaged by fire in 1984  
Heating by John Grundy, City Road, London  
using Grundy warm air stoves, installed before  
1897 {BMR}  
[] BE/YE, 75-105; CA, 264-9 (P); CAEW, 40-54  
(3Ve, 3Vi); CE/N, 334-66; (P from TB.1893, also  
Ve); Clifton-Taylor, 276 (P); Cormack, 92-7; Dye,  
22 (ad); TBI.1869 /417, 426



Heating in Churches: Yorkshire

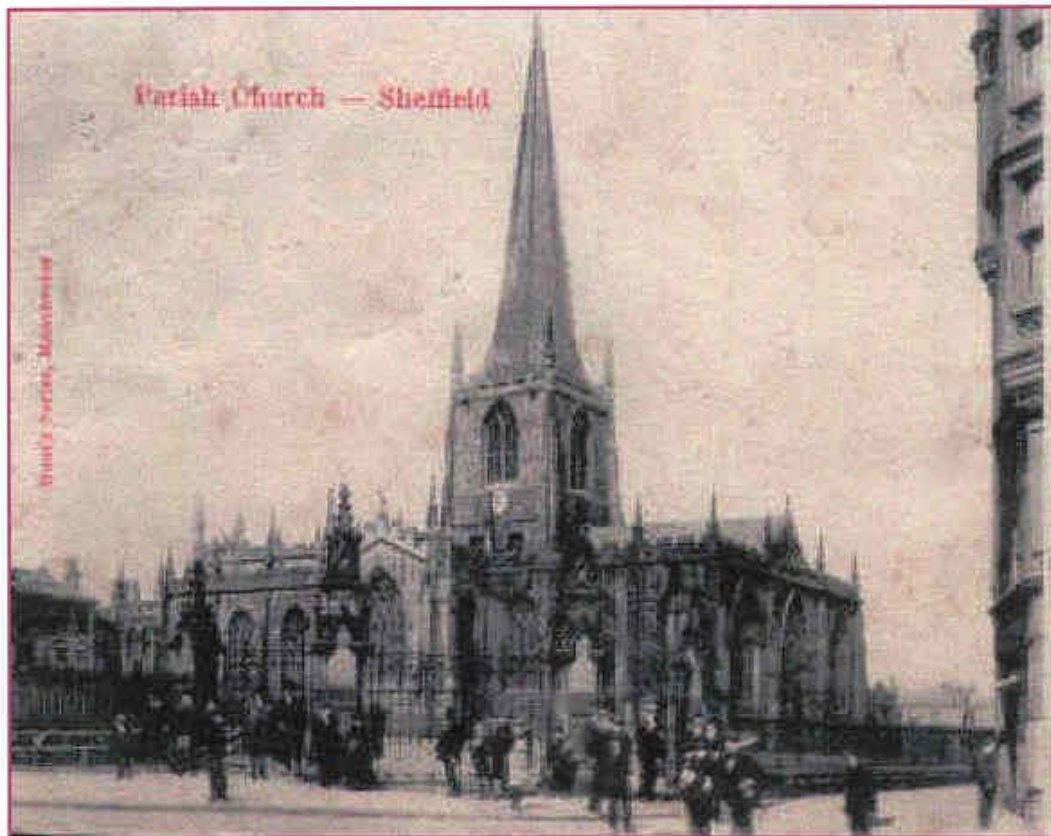
## YORKSHIRE



### **BEVERLEY MINSTER**

Heating by Gurney warm air stoves by The London Warming & Ventilating Co Ltd  
[Cathedrals & Abbeys of England & Wales, 1891, p.392]

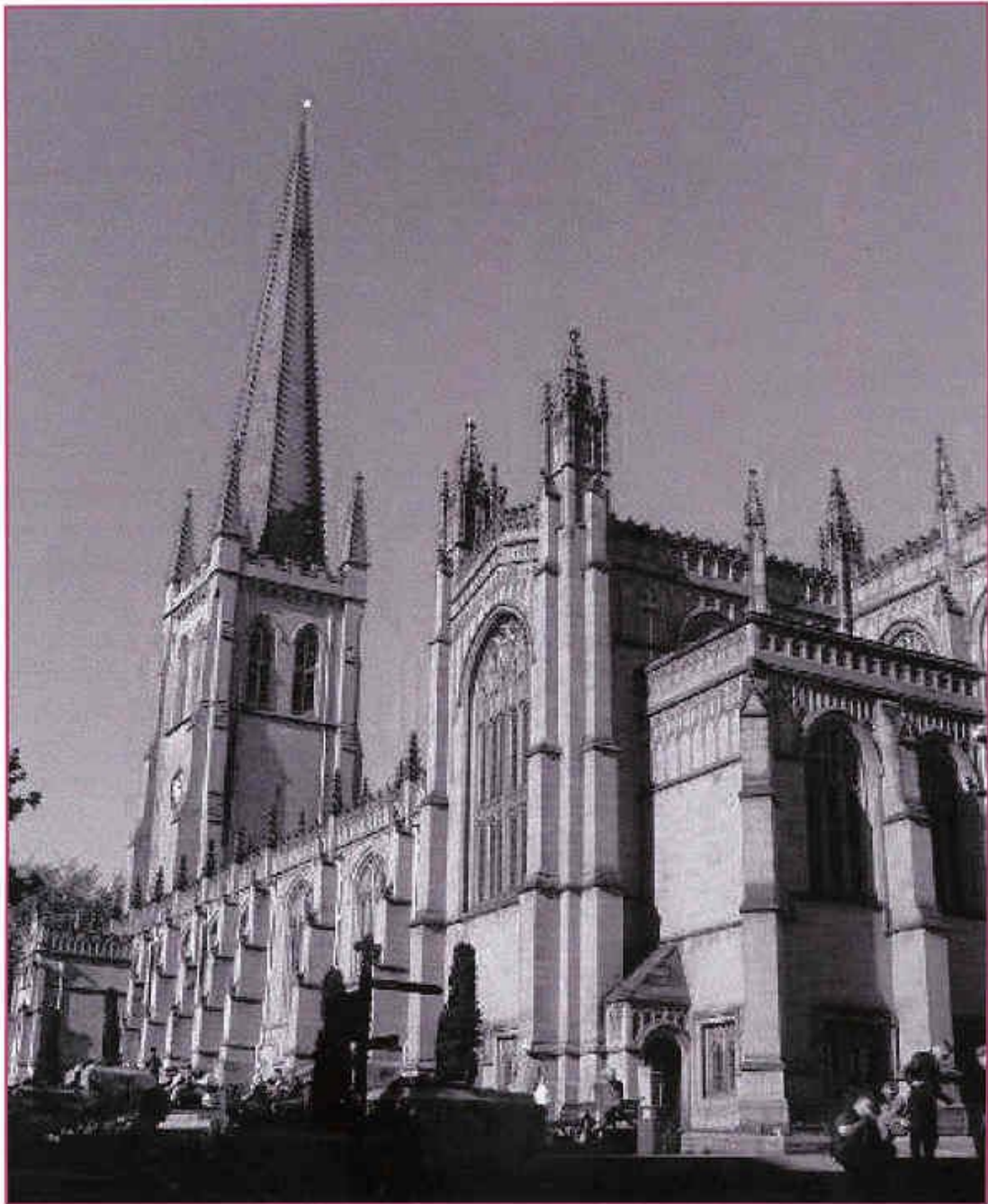
**YORKSHIRE**



**SHEFFIELD CATHEDRAL**  
CATHEDRAL OF ST PETER AND ST PAUL

Heating in Churches: Yorkshire

## YORKSHIRE



**WAKEFIELD CATHEDRAL**  
CATHEDRAL CHURCH OF ALL SAINTS

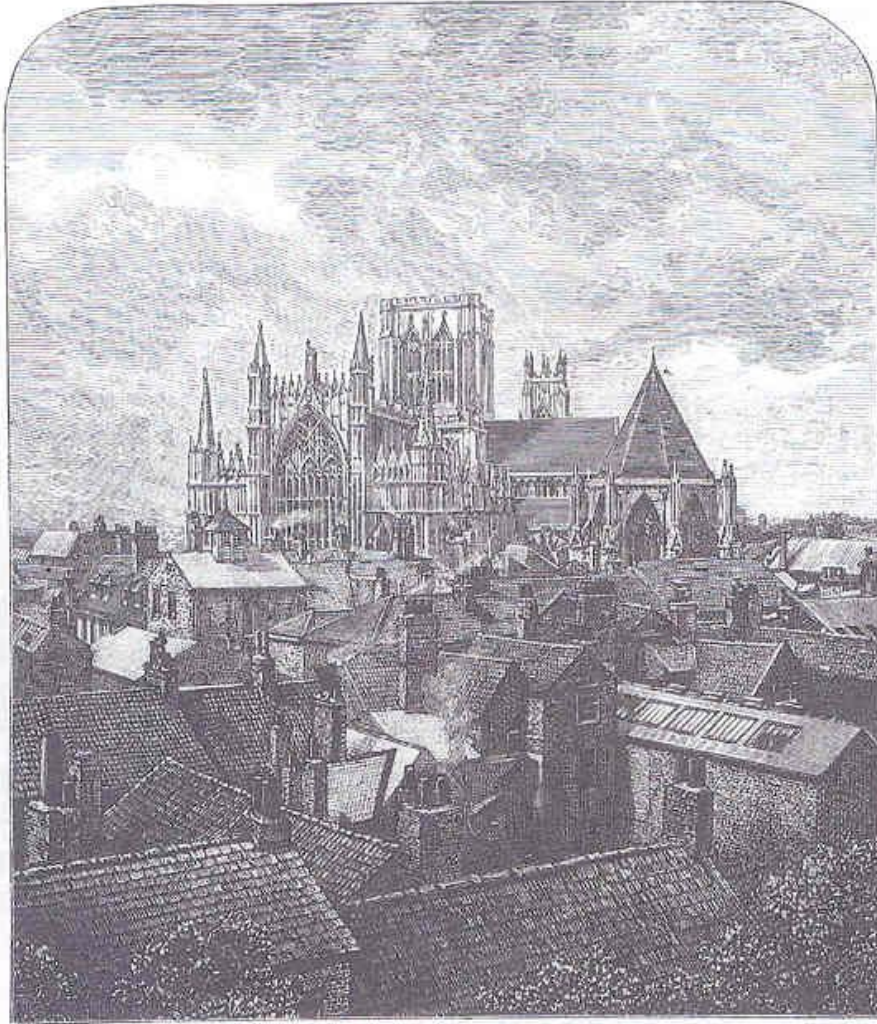
## YORKSHIRE



### WHITBY ST MARY

Heated by a solid-fuel stove made in six horizontal sections and marked Tangye  
[Heritage Group Collection]

**YORKSHIRE**



**YORK MINSTER**

CATHEDRAL AND METROPOLITAN CHURCH OF ST PETER

Heating by Gurney warm air stoves by The London Warming & Ventilating Co Ltd  
[Cathedrals & Abbeys of England & Wales, 1891, p.47]