

## HAMPSHIRE AND THE ISLE OF WIGHT

**HAMPSHIRE.** A county of England, lying on the English Channel, bounded by Dorsetshire, Wiltshire, Berkshire, Surrey and Sussex. It extends, exclusively of the Isle of Wight, 42 miles in length, and 38 in breadth. It is divided into 39 hundreds, which contain 1 city, 20 market towns, 253 parishes and 1062 villages.

**ISLE OF WIGHT.** An island belonging to Hampshire, and separated from it by a narrow channel called the Solent Sea. It is about 20 miles long and 12 broad.

**Winchester.** It stands on the Itchin, and has six parish churches, besides the cathedral, which is a large and beautiful structure, and in which are interred several Saxon kings and queens.

**Portsmouth.** The churches and chapels are fine buildings.

*Bournemouth and adjacent areas are now in Dorset*

### BLACKMOOR [SU7733]

#### ST MATTHEW

Built 1868, *Sir Alfred Waterhouse* a Gothic Revival church for the first Earl of Selbourne

Heating by \*

[] BE/H, 110: JB, 240

### BOURNEMOUTH [Dorset SZ0890]

#### ST CLEMENT

St Clement's Road, Boscombe

Built 1871-3, tower 1890-3, *John Dando Sedding*

The first vicar, the Rev G D Tining trained as an architect under Scott and was married to Sedding's sister.

Heating by \*

[] BE/H, 121-2: JB, 240

#### ST MICHAEL

Poole Road

Built 1873-6, *Richard Norman Shaw*

tower 1900-1, *John Oldrid Scott*

Ventilation by G Kite & Co, London, prob. 1901

[] BE/H, 124: JB, 240: Kite

#### ST PETER

Hinton Road

Built 1854-79 by Dove, Islington, London.

*George Edmund Street* who retained parts of the earlier extensions of 1851 by *Edmund Pearce*, which had been added to original church, 1841-3, of *John Tulloch*, Wimborne. Described as one of the richest Gothic Revival interiors in England, it was designed to accommodate 1200 when the population of Bournemouth was only 2000.

Heating by \*

[] BE/H, 118-20: JB, 240: Jenkins, 148-9:

TBI.1870/1027 (Ve)

#### ST STEPHEN

St Stephen's Road

Built 1881-98, *John Loughborough Pearson*

the tower of 1907-8 being supervised by his son,

*F L Pearson*. Considered by both Pevsner and

Betjeman to be the finest church in Bournemouth

Heating by \*

[] BE/H, 125: JB, 240

### CHRISTCHURCH [Dorset SZ1592]

#### PRIORY CHURCH (HOLY TRINITY)

Norman, remodelled 1819-20 by *W Garbett* and

1845-6 & 62 by *Benjamin Ferrey*

Described as the best medieval church in Dorset, and the longest parish church in the country.

Heating by The London Warming & Ventilating Co Ltd, London. Four Gurney warm air stoves, installed c.1890, stoves removed 1973

{BMR.1990s}

[] BE/H, 167-77 (P): BSE, Sept 1973, p.A24 with stove photo: JB, 241

### NEWTOWN [Burghclere SU4761]

#### ST MARY THE VIRGIN AND

#### ST JOHN THE BAPTIST

Near Burghclere

Built 1864-5, *Henry Woodyer*

Heating by \*

[] BE/H, 354: JB, 245

### PORTSMOUTH [SU6400]

#### CATHEDRAL AND PARISH CHURCH OF ST THOMAS OF CANTERBURY

From 1320 the parish church, cathedral from 1927.

Enlarged 1935-9, *Sir Charles Nicholson*.

The lantern on top is said to have guided ships into the harbour since 1702.

Heating by \*:

[] BE/H, 393-404: CA.44-5: CAEW Portsmouth not included as not a cathedral in 1891: CE/S, 227-233 (P): Cormack, 146. Illust: CE/S, 229 P

**CATHEDRAL CHURCH OF ST JOHN  
EVANGELIST (RC)**

Edinburgh Road  
Built 1877-82 by *John Crawley*, additions 1886 &  
92 by *Joseph Stanislaus Hansom*. Repaired after  
1941 bomb damage.  
Heating by \*  
[] BE/H, 431-2; CA, 45; CE/S 233-4.

**BISHOP'S HOUSE (PALACE)(RC)**

Built 1883 by John Crook, Southampton, *John  
Crawley* and *Joseph Stanislaus Hansom*.  
Restored after bomb damage.  
Heating by John Metcalf, Preston.  
Warmed by fire-grates, 1883; then Metcalf's low  
pressure hot water heating.  
Ventilation by Robert Boyle & Son Ltd, London.  
Presumably Boyle's patent Air-Pump ventilators.  
Note: Metcalf is not listed in TBI ref, so heating  
may have been installed later. Barnard, Bishops &  
Barnard is listed as fire grate supplier. Also listed  
under ventilation is Sheringham.  
[] BE/H, 432; Metcalf, 41; TBI.1883i/778-9 (Ve)

**ST MARY**

Fratton Road, Kingston, Portsea  
Was the parish church for Portsea Island until C14  
which was replaced 1843, *T E Owen*. New church  
built 1889, *Sir Arthur William Blomfield*  
Heating by \*  
[] BE/H, 441-2; JB, 246

**WINCHESTER [SU4829]**

**CATHEDRAL CHURCH OF THE HOLY  
TRINITY, ST PETER, ST PAUL AND ST  
SWITHIN**  
Built 1079-1235 with remodelling up to C16.  
Restorations include 1812-28 *Garbett*, 1874-91  
*Colson* (£40,000) and 1906-10 *Jackson* (£100,000),  
including the complete underpinning of the  
foundations with concrete. Externally, at 556 feet,  
the longest cathedral in Europe  
Heating by Gurney warm air stoves by The London  
Warming & Ventilating Co Ltd  
{BMR.1990s}  
[] BE/H, 661-91 2P); CA, 52-7 (P); CAEW, 81-9  
(2Ve, 4Vi); CE/S, 324-4; (P from TB.1892; also  
Ve, 2Vi); Cormack, 83-7.

**ISLE OF WIGHT**

**NEWPORT [SZ4989]**

**ST THOMAS**  
Built 1854-5, *S W Dawkes*. Cheltenham, a large  
town church. Heating: There is a wall plaque which  
reads, "The First Heating of This Church  
Erected by William Ellis. High Street  
Newport, Isle of Wight, August 1875." {FJF.2001}  
[] BE/H, 750; JB, 250

**RYDE [Z5992]**

**ALL SAINTS**  
Town centre  
Built 1869-72, *Sir George Gilbert Scott* with  
steeple added in 1881-2 and vestry in 1891.  
Heating by \*  
[] BE/H, 762; JB, 251

**VENTNOR [SZ5677]**

**HOLY TRINITY**  
Built 1860-2 by *C E Giles*, Taunton, no doubt the  
Haden connection. A wall plaque states the church  
was opened in 1860, the first church in Ventnor.  
Heating by G & J Haden, Trowbridge, later G N  
Haden & Son, Haden warm air stove, 1860.  
This original heating system, though disused, is  
remarkably still intact. The original Haden stove is  
in a basement room, still in its brickwork housing  
and complete with fire bars. Even the stoking tools  
are there. Though rusty, the doors are still  
openable. The rest of the warm air installation is  
intact. All the builders work air ducts and iron floor  
gratings are just as they were when first  
constructed. The Haden Order Book shows the  
stove to have been No.1907 of 1860. {FJF.2001}  
[] BE/H, 772; JB, 251; WRO.1325

**WHIPPINGHAM [SZ5193]**

**ST MILDRED**  
Built 1854-62 by George Smith, Pimplico, London  
*Albert Jenkins Humbert*, Fitzroy Square, London  
(architect of Sandringham) with *Prince Albert*. This  
was the Parish Church for Osborne House,  
residence of Queen Victoria  
Heating by Price & Co, Bristol. Almost certainly  
low pressure hot water heating since Price was a  
pioneer and leading exponent of same.  
[] BE/H, 774; Curl VC, 57-9; JB, 251;  
TBI.1861/825 (Ve)

**YARMOUTH [SZ3589]**

**ST JAMES, APOSTLE AND MARTYR**  
Built 1626, tower 1831, *Daniel Asher Alexander*  
Heating by \*  
[] BE/H, 776; JB, 251

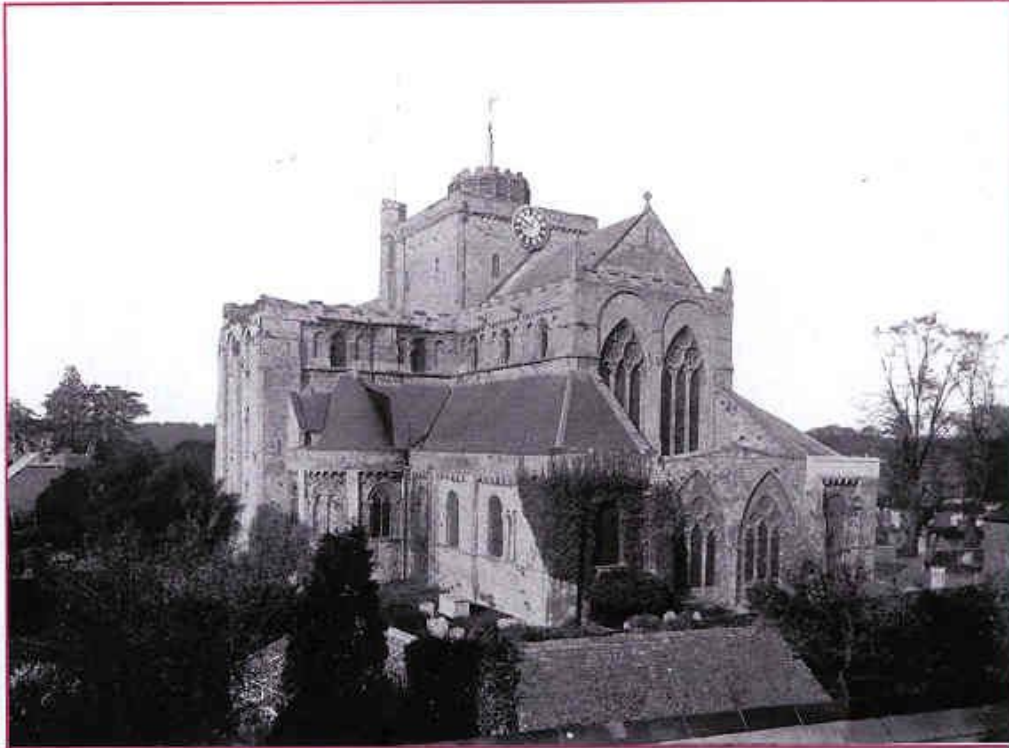
## HAMPSHIRE AND THE ISLE OF WIGHT



### **CHRISTCHURCH PRIORY CHURCH** HOLY TRINITY

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

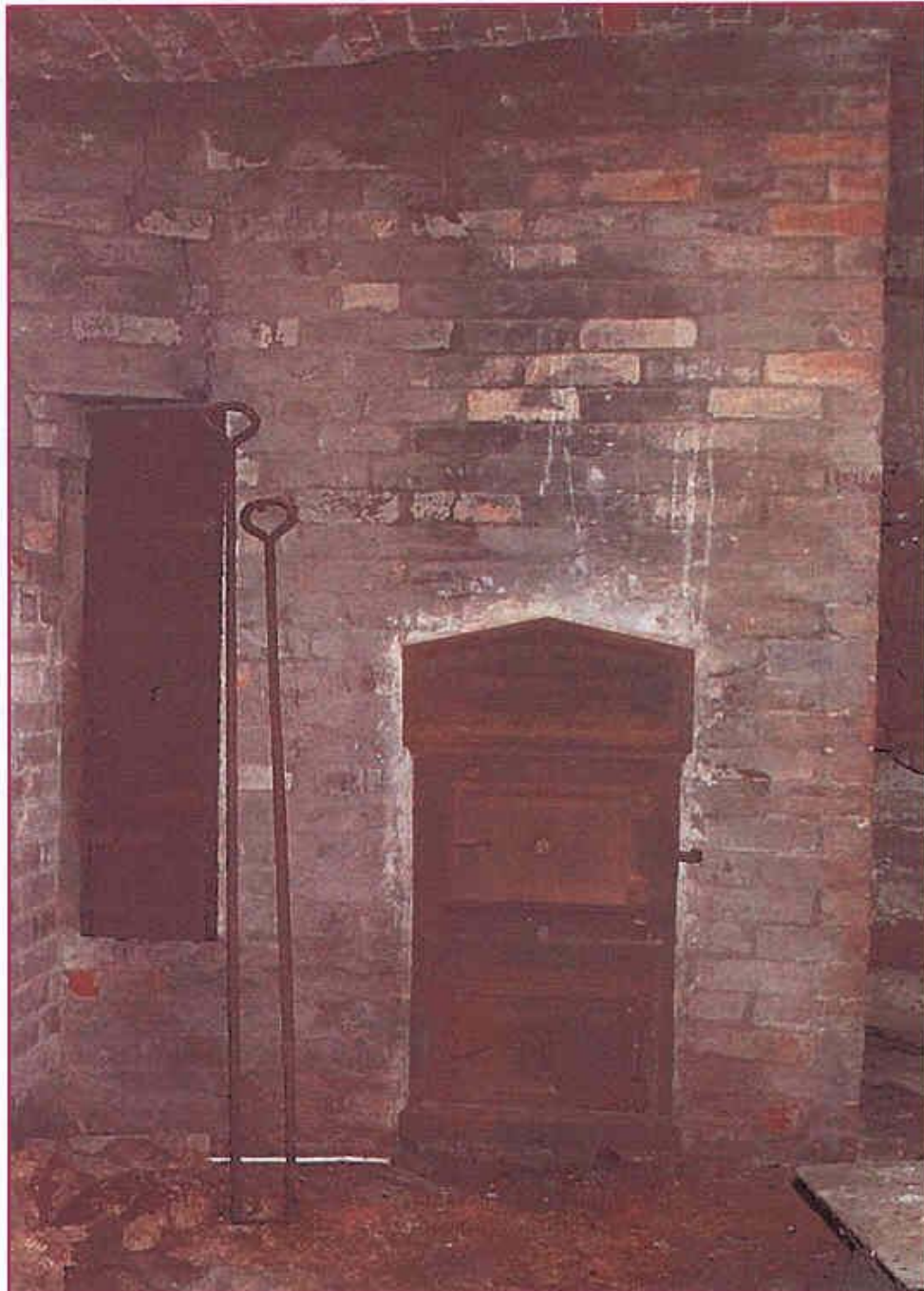
## HAMPSHIRE AND THE ISLE OF WIGHT



### **ROMSEY ABBEY**

Heated by Gurney warm air stoves by The London Warming & Ventilating Co Ltd  
[Memories of Hampshire, G E Jeans (Ed), 1906]

## HAMPSHIRE AND THE ISLE OF WIGHT



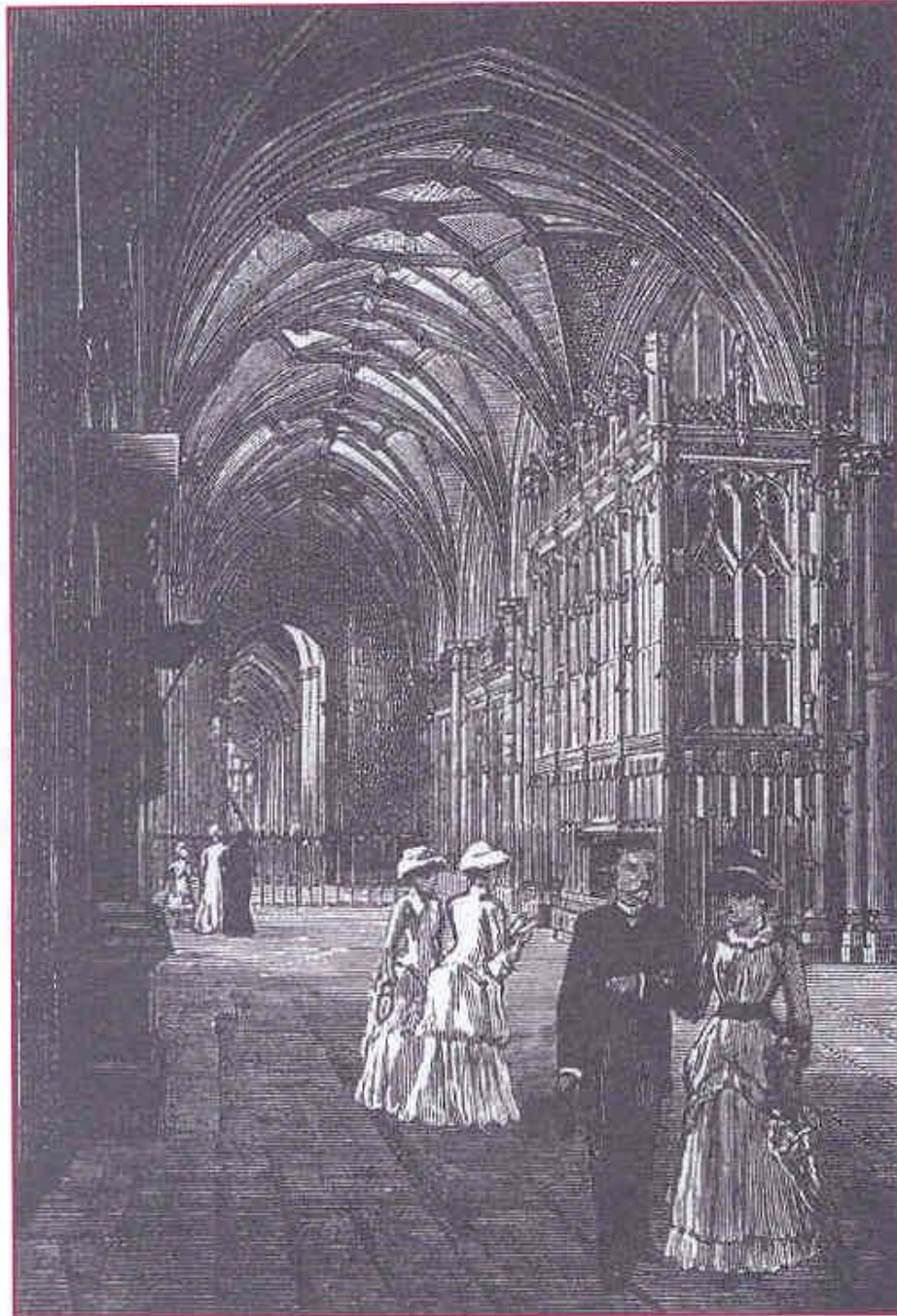
### **VENTNOR, IoW**

HOLY TRINITY

Heated by Haden warm air stove No.1907 size 2, 19 January 1860

[Photograph: Frank Ferris]

## HAMPSHIRE AND THE ISLE OF WIGHT



### WINCHESTER CATHEDRAL

CATHEDRAL CHURCH OF THE HOLY TRINITY, ST PETER,  
ST PAUL AND ST SWITHIN

Heating by Gurney warm air stoves by The London Warming & Ventilating Co Ltd  
[Cathedrals & Abbeys of England & Wales, 1891, p.83]

## Heating in Churches: Herefordshire

### HEREFORDSHIRE

**Herefordshire.** A county of England, lying next to Wales, and bounded by Shropshire, Gloucestershire, Worcestershire, and Monmouthshire. It extends about 38 miles from north to south, and 33 from east to west. It is divided into 11 hundreds, which contain 1 city, 6 market towns, 176 parishes, and 391 villages.

**Hereford.** It is a large place and had six parish churches, but two of them were demolished in the civil wars.....It is a bishop's see, and the cathedral is a handsome structure.

*Now Hereford & Worcestershire*

**EASTNOR** [Hereford & Worcester SO7237]

**ST JOHN BAPTIST**

Built 1852, *Sir George Gilbert Scott* with C14 west tower

Heating by \*

[] BE/HF, 122-3; JB, 258

**EDVIN LOACH** [Hereford & Worcester SO6658]

**ST MARY THE VIRGIN**

Built 1859, *Sir George Gilbert Scott*

Heating by \*

[] BE/HF, 126; JB, 258

**HEREFORD** [Hereford & Worcester SO5139]

**CATHEDRAL OF OUR LADY AND**

**ST ETHELBERT**

Built 1107-50, dedicated to St Mary the Virgin and St Ethelbert the King

Reconstruction 1856-63 by *Sir George Gilbert Scott* with W front by *John Oldrid Scott*

[The Bishops' Great Hall, late C12, in the nearby Bishops' Palace has one of the oldest timber secular structures in England.]

Heating by 4 of the largest size of Gurney warm air stoves installed by Bennett & Brown, Hereford, their tender of 25 June 1867 for £240 being successful. On 2 November 1931, a further secondhand Gurney stove was purchased for £25 from St Asaph's Cathedral in Wales. The Gurney stoves were coal-fired until 1989, using 1.5 tons of coal per week. In April 1989, they were converted to gas. {FJF.2001}.

[] BE/HF, 146-173 (P); CA, 285-9(P); CAEW, 124-30 (2Ve, Vi); Clifton-Taylor, 269 (P); Cormack, 46-9; TB.1870/746 (3Vi)

**MONKLAND** [Hereford & Worcester SO4557]

**ALL SAINTS**

From C13, rebuilt 1856 by *George Edmund Street*

Heating by \*

[] BE/HF, 254; JB, 260

**KILPECK** [Hereford & Worcester SO4430]

**ST MARY AND ST DAVID**

Regarded by many as England's most perfect Norman church.

Restored 1848, *Lewis Cottingham*

Heating by \*

[] BE/HF, 201-3; JB, 259; Jenkins, 270

**LEDBURY** [Hereford & Worcester SO7137]

**ST MICHAEL AND ALL ANGELS**

Dates from Norman times. Described by Pevsner as the premier parish church of Herefordshire.

Heating by \*

[] BE/HF, 214-8; JB, 260; Jenkins, 271-2

**LEOMINSTER** [Hereford & Worcester SO4959]

**PRIORY OF ST PETER AND ST PAUL**

Originally Norman, gutted by fire in 1699, and rebuilt.

Heating by \*

[] BE/HF, 223-7; JB, 269; Jenkins, 272

**SHOBDON** [Hereford & Worcester SO4062]

**ST JOHN THE EVANGELIST**

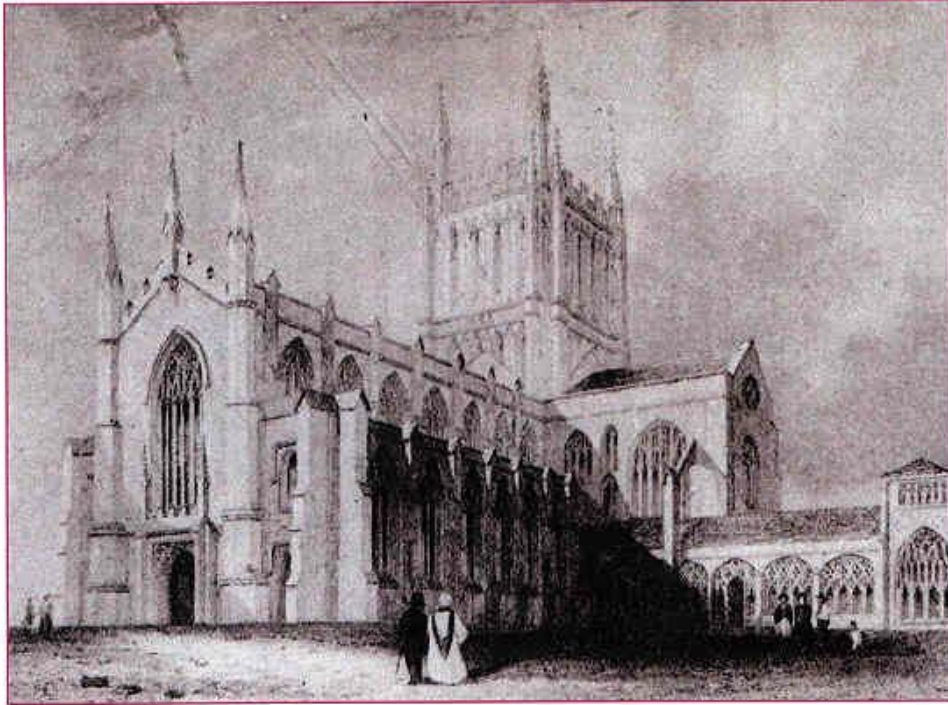
Built 1752-6, a Georgian Gothic Revival church, *The Hon. Richard Bateman*, a friend of Horace Walpole. The S transept was the Bateman family pew and has a large fireplace.

Heating by \*

[] BE/HF, 287-8; JB, 262; Jenkins, 277

Heating in Churches: Herefordshire

## HEREFORDSHIRE



### **HEREFORD CATHEDRAL**

**CATHEDRAL OF OUR LADY AND ST ETHELBERT**

Heated by four large coal-fired Gurney warm air stoves installed

by Bennett & Brown in 1867 for £250

[The Cathedral Churches of England, 1925]



## HERTFORDSHIRE

A county of England, bounded by Middlesex, Essex, Cambridgeshire, Bedfordshire, and Buckinghamshire. It is about 35 miles long, and 25 broad. It is divided into 8 hundreds, and contains 2 boroughs and 12 market towns.

### AYOT ST PETER [TL2115]

#### ST PETER

Built 1874-5, *J P Seddon*, red, blue & white brick decoration and stone dressings, interior in Arts and Crafts style.

Heating by \*

[] BE/HE, 81; JB, 266-7; Jenkins, 283

### BAYFORD [TL3108]

#### ST MARY

Built 1870-1, *Henry Woodyer* replaced building of 1804 on a medieval site

Heating by \*

[] BE/HE, 90 & 459; JB, 267

### HITCHIN [TL1829]

#### HOLY SAVIOUR

Radcliffe Road

Built 1863-5, *William Butterfield* and described by Pevsner as a full-blooded example of his style

Heating by \*

[] BE/HE, 199-200; JB, 269

### LANGLEBURY [TL0801]

#### ST PAUL

Hunton Bridge

Built 1863-4, *Henry Woodyer* and described as ambitious for so small a parish

Heating by \*

[] BE/HE, 212; JB, 269

### NORTHAW [TL2702]

#### ST THOMAS A BECKET

Heating by Perkin's high pressure hot water system which is still in use. The boiler has 4 independent circuits which now operate at about 250 °F. There are 3 hot water coil-banks in the church itself {FJF.2001}

[]

### ST ALBANS [TL1407]

#### CATHEDRAL AND ABBEY CHURCH OF ST ALBAN

Norman, dates back to 1077, became a cathedral 1878. Some restoration 1871-8 by *Sir George Gilbert Scott* but W front from 1879 by *Lord Grimethorpe* at his own expense (said to be £130,000)

Designer of heating system Oscar Faber & Partners {SIHVE, 1952} In 1952, low pressure hot water serving radiators and pipe coils. Boilers 3 million Btu/h. Continuous operation 61-2° F, lower thermostat setting at night. Energy usage 22,000 therms pa. Heated cube 2.80 x 10<sup>6</sup> ft<sup>3</sup> giving 1.07 Btu/ft<sup>3</sup>.

Note: John Robert Kell, 1902-83, was a partner in the firm of consultants Oscar Faber. He wrote (1936 with Faber) the standard textbook "Heating & Air Conditioning of Buildings," was President IHVE (1952), awarded IHVE Gold Medal (1967), associated with the Abbey Church at St Albans for many years. Kell has the unusual distinction of having his bust, carved in stone, among the roof gargoyles {JIHVE, April 1980, 56}

[] BE/HE, 293-312 (P); CA, 191-3 (P); CAEW, 169-77 (2Ve, 2 Vi); CE/S, 245-61 (P); Cormack, 121-3; Clifton-Taylor, 272 (P); Faber, 35; SIHVE: TBI.1855/217-8, (P, 5D/S)

### WATERFORD [TL3114]

#### ST MICHAEL

Built 1871-2, *Henry Woodyer* for Robert Abel Smith, a wealthy banker, stands at the entrance to Goldings his mansion and estate.

[] BE/HE, 383-4 Goldings, 147; JB, 271

### WATFORD [TQ1196]

#### HOLY ROOD (RC)

Market Street

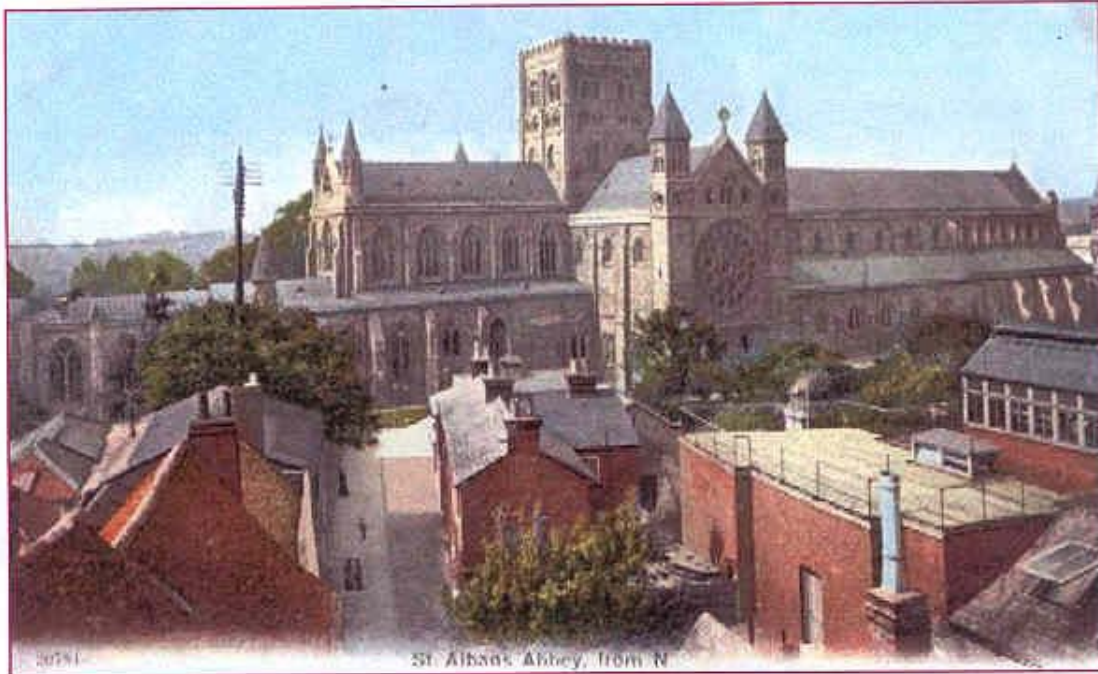
Built 1883-90, *John Francis Bentley*, architect for Westminster RC Cathedral. Electric light fittings are Art Nouveau, installed 1899.

Heating by \*

[] BE/HE, 386-7; Jenkins, 287

Heating of Churches: Hertfordshire

## HERTFORDSHIRE



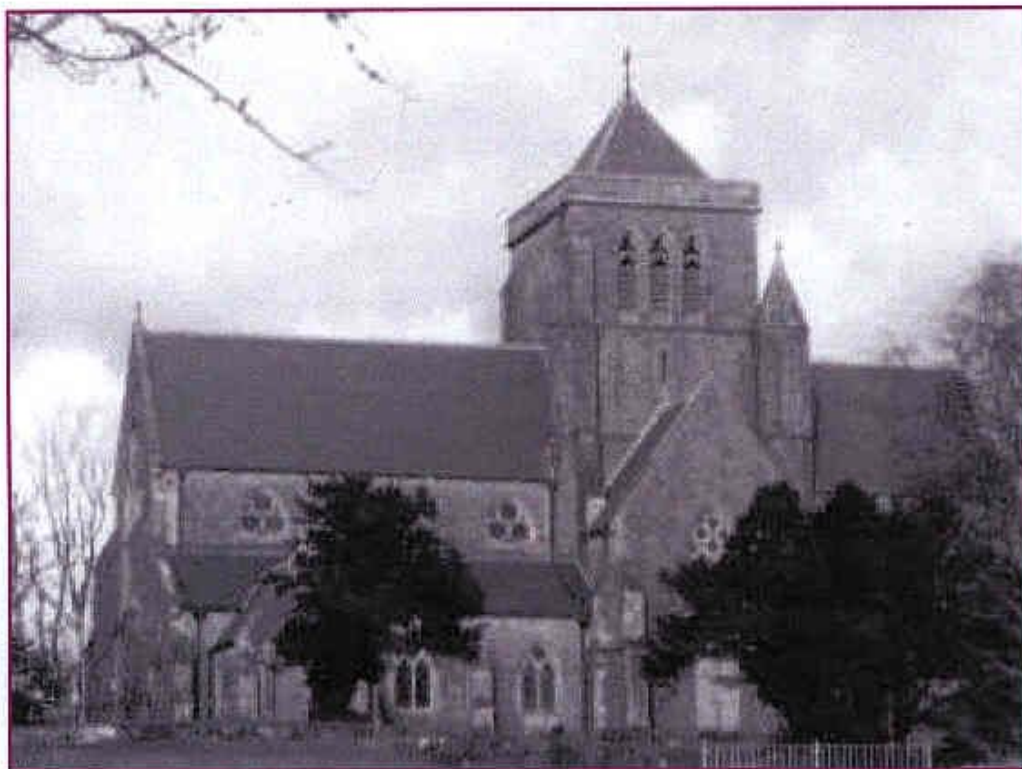
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St. Albans Abbey, from N

**ST ALBANS CATHEDRAL**  
CATHEDRAL AND ABBEY CHURCH OF ST ALBAN  
[Postcard]

**Heating in Churches: Ireland**

## **IRELAND**



### **KILMORE CATHEDRAL**

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

Heating in Churches: Ireland

## IRELAND



### **LONDONDERRY CATHEDRAL** **ST COLOMB**

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

## Heating of Churches: Kent

### KENT

A county of the south of England, washed by the English Channel, the Straits of Dover, and the German Ocean; and bounded by Surrey, Sussex, Essex and Middlesex. It is about 58 miles in length, and 35 in breadth. It is divided into 5 lathes, under each of which are several hundreds, which contain 2 cities, 39 market towns, 408 parish churches, and 1180 villages.

*Some areas are now in Greater London*

#### **BLACKHEATH** [Greater London TQ3876]

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

Blackheath Park

Built 1828-30, *George Smith*. Church cost £4000, the 172 feet spire is known locally as the Kentish Needle.

Ventilation by Robert Boyle & Son Ltd, London. Boyle's patent self-acting Air-Pump ventilator. Ventilators installed before 1900.

A testimonial by the Rev Baring E Gould (Incumbent) reads, "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 fresh and sweet. Their general success is unquestionable."

[] Boyle, 40: Homan, 37 (early C19 engraving on cover)

#### **BROMLEY** [Greater London TQ4069]

##### **CHRIST CHURCH**

Highland Road

Built 1887, *Water A Williams*. Church cost £2600, originally a Free Church

Heating by A M Perkins & Son Ltd, London  
Perkins high pressure hot water small-bore heating system, 1887.

Dye, 3 (ad): Homan, 41

#### **CANTERBURY** [TR1457]

##### **CATHEDRAL CHURCH OF CHRIST**

Consecrated in 602, dates back to 1070, rebuilt 1170, seat of the Archbishop, Primate of All England.

The heating system of c.1865 was redesigned, from 1945, by J R Kell of Oscar Faber & Partners, the boilerhouse having been war damaged. He found anthracite stoves in use. The old system was described by him: "(It) consisted of cast-iron socket and spigot piping laid in trenches in the floor of the church, covered with cast-iron

gratings. These extended round the whole periphery of the nave, in the choir aisles and transepts. In some of the trenches there were as many as six 4-inch pipes laid side by side. .... In addition there were numerous massive and ugly box-coils distributed against the walls throughout the Cathedral. There was a complete absence of heating surface at any upper level, and the system did not supply heat to the crypt, which at Canterbury is of large dimensions and is, in effect, a church in itself." Post-war heating by G N Haden & Sons Ltd. [] BE/K, 170-227 (P); CA, 27-34 (P); CAEW, 23-39 (6Ve, 5Vi); CE/S, 50-5 (P, Ve); Cormack, 16-21; Clifton-Taylor, 265 (P); Faber, 35: HA {BMR.1990s}

[] "The Heating of Canterbury Cathedral," J R Kell, *The Heating & Ventilating Engineer & Journal of Air Conditioning*, July 1950, 33-36.

#### **CHIDDINGSTONE CAUSEWAY** [TQ5147]

##### **ST LUKE**

Built 1897-8, *John Francis Bentley* his only Protestant church. Part paid for by *Sargent*, the portrait painter.

Heating by \*

[] BE/KW, 214-5: JB, 290

#### **DOVER** [TR3241]

##### **BAPTIST MEMORIAL HALL**

Priory Road

Built: c.1881 by W Bromley, Dover.

*Andrew T Taylor*, Moorgate Chambers, Finsbury Pavement, London.

Heating by Porritt, Porritt's underground warm air stoves.

[] TBI.1881i/613. Illust: TBI.1881i/613, P Ve

#### **ERITH** [Greater London TQ5177]

##### **MONASTERY**

Bexley Road/Carlton Road

Heating by John Metcalf, Preston.

Low pressure hot water, 1873-1910.

[] Metcalf, 41

#### **HAWKHURST** [TQ7630]

##### **ALL SAINTS**

Built 1863, *Sir George Gilbert Scott*

Heating by \*

[] BE/KW, 316: JB, 293

#### **MURSTON** [TQ9264]

##### **ALL SAINTS**

Built 1873-4, *William Burges*

Heating by \*

[] BE/K, 398-9: JB, 296

## Heating of Churches: Kent

### RAMSGATE [TR3865]

#### ST AUGUSTINE'S ABBEY (RC)

St Augustine' Road, West Cliff

Built 1847-51 by Myers.

*Augustus Welby Northmore Pugin* Chapel of St John, from 1857, *Edward Welby Pugin*.

Joseph's Chapel, 1893, *P P Pugin*.

A W N Pugin was both architect and paymaster, spending £20,000 of his own money. The spire was never built. Pugin (died 1852) is buried inside the abbey.

Heating of Convent & College by John Metcalf, Preston. Low pressure hot water for Convent & College, after 1873.

[] BE/K, 421-25: CA, 48-9: Curl VC, 32, 35: Dixon, 191: Homan, 82: Metcalf, 41. Illust: From TB in Homan, endpapers : TBI.1853/377 Ve & 409, Vi

### ROCHESTER [TQ7468]

#### CATHEDRAL CHURCH OF CHRIST AND THE BLESSED VIRGIN MARY

Consecrated in 604, the second oldest cathedral in England. Rebuilt from 1077.

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

[] BE/KW, 470-88: CA, 45-7: CAEW, 178-84 (3Ve, 2Vi): CE/S, 234-45 P from TB.1891): Clifton-Taylor, 272 (P): Cormack, 64-7

#### CHATHAM MEMORIAL SYNAGOGUE,

High Street (nearly in Chatham)

Built 1865-9 by Alderman J G Naylar, Rochester.

*H H Collins*. Described by Newman (in Pevsner) as in an unbelievably ugly Romanesque style.

Heating by Spencelayh & Archer, Chatham

Prob. low pressure hot water heating as Spencelayh & Archer was a plumbing firm

[] BE/KW, 489: Homan, 84: TBI.1870/726-7  
Illust: Homan (132) Vi from TB: TBI.1870/726-7, P Vi

### TUNBRIDGE WELLS [TQ5839]

#### ST BARNABAS

Stanley Road

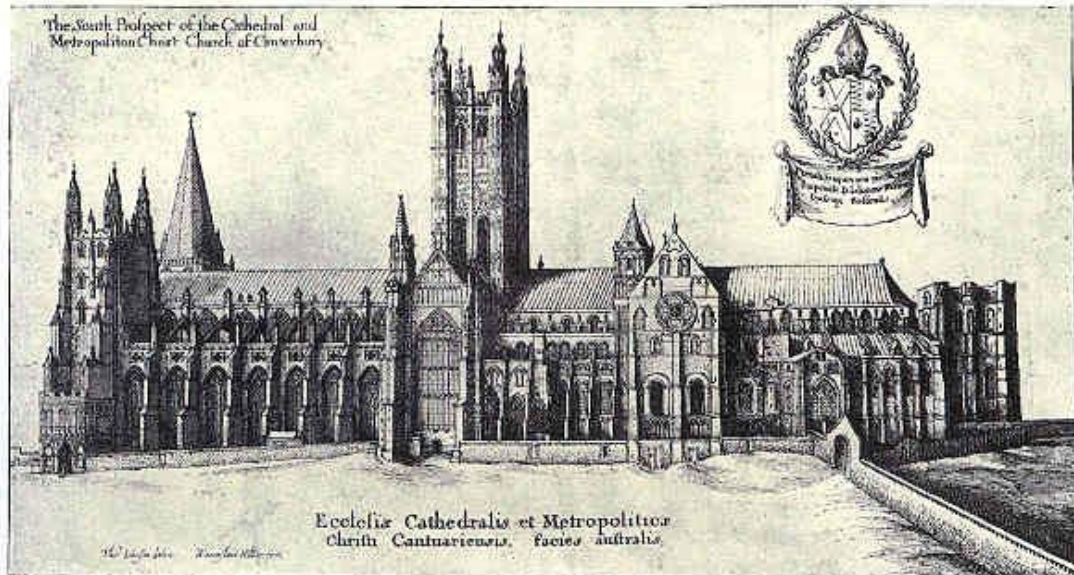
Built 1889-93, *J E K Cutts & J P Cutts*, tower never constructed

Heating by \*

[] BE/KW, 578: JB, 299

Heating of Churches: Kent

**KENT**



**CANTERBURY CATHEDRAL**  
CATHEDRAL CHURCH OF CHRIST

Heating by hot water, box coils and numerous 4-inch cast iron pipes  
in floor trenches covered with gratings

[17<sup>th</sup> century engraving by W Hollar, *The Cathedral Builders in England*, 1905, p.32]

Heating of Churches: Kent

## KENT



### DARTFORD

#### WESLEYAN CHAPEL

W W Pocock, built in 1844 at a cost of £2500.

[Homan, plate 99]



Heating of Churches: Kent

## KENT



### MARGATE HOLY TRINITY

Wm Edmunds of Margate. Cost £24,983. Built by White, Jenkins & Mercer.  
Church Commissioners' design, Government contributed £10,000.  
Tower 135 ft. Bombed and demolished.  
[Homan, plate 1]

Heating of Churches: Kent

## KENT

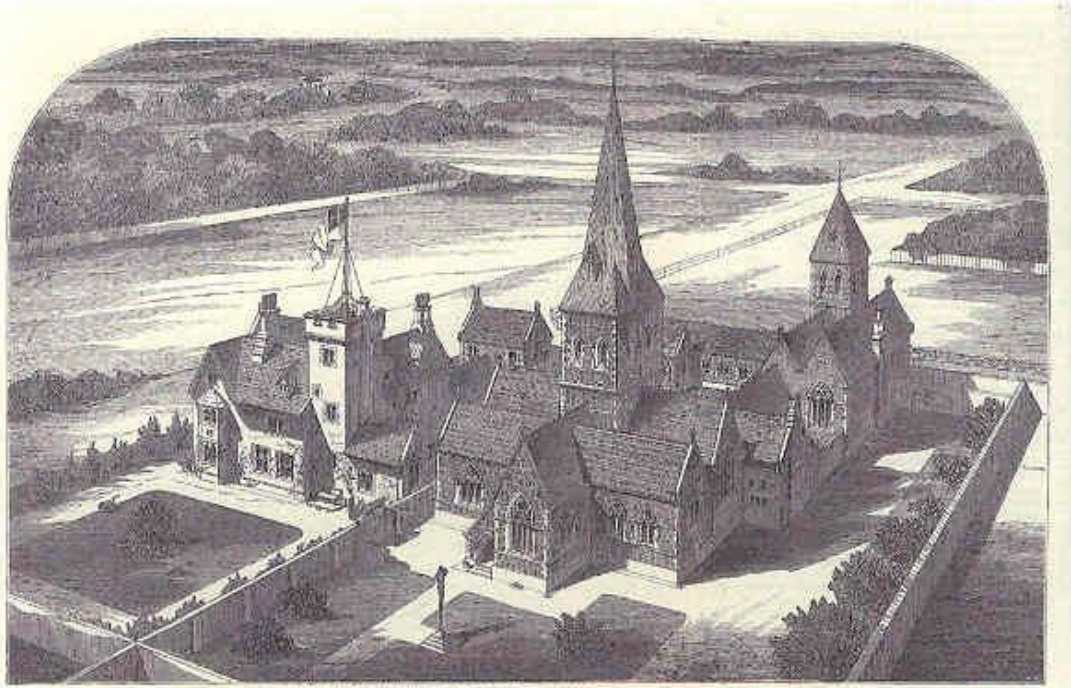


### ROCHESTER CATHEDRAL

CATHEDRAL CHURCH OF CHRIST AND THE BLESSED VIRGIN MARY  
Heating by Gurney warm air stoves by The London Warming & Ventilating Co Ltd  
[The Cathedrals & Abbeys of England & Wales, 1891, p.180]

Heating of Churches: Kent

## KENT



CHURCH, SCHOOL, AND RESIDENCE, ST. AUGUSTINE'S, RAMSGATE.—THE LANT. A. WELBY PONS, ALGHTHER.

### RAMSGATE

ST AUGUSTINE'S ABBEY (RC)

Heating for Convent & College by low pressure hot water by John Metcalf  
[The Builder, 1853/377]

## LANCASHIRE

A county of England, lying on the Irish Sea, and bounded by Cumberland, Westmoreland, Yorkshire and Cheshire. It is 75 miles in length, and 30 in breadth. It is divided into 6 hundreds, which contain 27 market towns, 62 parishes, and 894 villages

**Liverpool.** The churches, the municipal offices, the custom-house.... seem to have been constructed for the gratification of taste, as well as for their various and peculiar uses.

*Now divided into Lancashire, Merseyside and Greater Manchester*

### ACCRINGTON [SD7628]

#### NEW JERUSALEM CHURCH

Abbey Street

Built 1849, *James Green*, Portsmouth

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

Metcalf also heated the Church Schools

[] BE/LN, 46-7; Metcalf, 43

#### ST MARY MAGDALENE

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

[] Metcalf, 43

#### WESLEYAN CHURCH

Heating by John Metcalf, Preston.

Low pressure hot water, 1873-1910

Metcalf also heated the Church Schools

[] Metcalf, 43

### ATHERTON [Greater Manchester SD6703]

#### ATHERTON CHURCH (RC)

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

Metcalf also heated the Catholic Schools

[] Metcalf, 41

### BLACKBURN [SD6827]

#### CATHEDRAL AND PARISH CHURCH

##### ST MARY THE VIRGIN

Rebuilt 1820-6, *John Palmer*, damaged by fire 1831, reconstructed after fire by *Thomas Rickman* enlarged 1961. Cathedral from 1926.

Heating by \*

[] BE/LN, 62-3; CA, 210-211; CAEW not listed, not a cathedral in 1891; CE/N, 38-9;

Cormack, 14]

#### CHAPEL STREET CONGREGATIONAL CHURCH

Freckleton Street

Built 1873-4, *J Tarring & Son*

Believed to be the building described as

Congregational Chapel, Blackburn in Metcalf catalogue

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

[] BE/LN, 63; Metcalf, 43

#### HARWOOD STREET WESLEYAN CHAPEL

Poss. Methodist Church, Feilden Street, 1871

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

[] BE/LN, 63; Metcalf, 43

#### ST ALBAN (RC)

Larkill

Built 1900-1 with tower of 1861

*Edward Goldie*

Heating by John Metcalf, Preston

Low pressure hot water, prob.1901

[] BE/LN, 65; Metcalf, 41

#### ST MARY (RC)

Freckleton Street

Built 1860-4, *J Cundall*

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

Metcalf also heated the Church Schools

[] BE/LN, 63; Metcalf, 43

### BLACKPOOL [SD3036]

#### SACRED HEART (RC)

Talbot Road

Built 1857, *Edward Welby Pugin*

enlarged 1894 by *Pugin & Pugin*

Heating by John Metcalf, Preston

Low pressure hot water, prob.1894

Metcalf also heated Talbot Road Catholic School

[] BE/LN, 69; Metcalf, 41

### CHIPPING [SD6243]

#### ST BARTHOLOMEW

Built, C14, Victorian restoration, *unknown*

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

[] BE/LN, 93; Metcalf, 43

#### ST MARY (RC)

Windy Street

Built 1827, *unknown*

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

[] BE/LN, 93; Metcalf, 41

## Heating in Churches: Lancashire

### CLITHEROE [SD7441]

#### ST MICHAEL (RC)

Lowergate

Built 1847, *Joseph Aloysius Hansom*

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

Metcalf also heated the Catholic School

[] BE/LN, 103: Metcalf, 41

### CROSTON [SD4818]

#### ST MICHAEL

Built prob.C17, restoration 1823, chapel rebuilt 1875, *unknown*

Heating by John Metcalf, Preston

Low pressure hot water, prob.1875

Metcalf also heated the Parish Schools

[] BE/LN, 109-10: Metcalf, 43

### FARINGTON [SD5325]

#### ST PAUL

Built 1839-40 *Edmund Sharpe*, chancel 1909-10 *J A Seward*, Preston. A Commissioners' church, cost £1700

Heating by John Metcalf, Preston

Low pressure hot water, prob.1909

[] BE/LN, 119: Metcalf, 43

### FRECKLETON [SD4329]

#### WESLEYAN CHAPEL

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

Metcalf also heated the Schools

[] Metcalf, 43

### GARSTANG [SD4945]

#### ST THOMAS

Built 1770, chancel of 1876, *unknown*

Heating by John Metcalf, Preston

Low pressure hot water, prob.1876

Metcalf also heated the Schools

[] BE/LN, 128 & 151: Metcalf, 43

### GREAT HARWOOD [SD7332]

#### OUR LADY AND ST HUBERT (RC)

St Hubert's Road

Built 1858-9, *Edward Welby Pugin*

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

Metcalf also heated the Presbytery

[] BE/LN, 132: Metcalf, 42

### HOGHTON [SD6125]

#### HOLY TRINITY

Built: 1824, W tower 1887, chancel Victorian, *unknown*

Heating by John Metcalf, Preston

Low pressure hot water, prob. c.1890

Metcalf also heated the Church School

[] BE/LN, 143: Metcalf, 43

### KIRKHAM [SD4232]

#### ST ANN (RC)

Westby

Built 1860, *Edward Welby Pugin*

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

[] BE/LN, 150: Metcalf, 42

### ST JOHN EVANGELIST (RC)

The Willows

Built 1842-5, *Augustus Welby Northmore Pugin*

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

[] BE/LN, 150: Metcalf, 42

### LANCASTER [SD4761]

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

St Peter's Road

Built 1857-9, *Edward Graham Paley*

Cathedral since 1924.

Heating by \*

[] BE/LN, 153: CA, 235: CE/N, 180

### HIGH STREET INDEPENDENT CHAPEL

Not traced though there is a High Street

Congregational Church

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

[] BE/LN, 155: Metcalf, 43

### LEYLAND [SD5422]

#### LEYLAND PRIMITIVE METHODIST CHURCH

Not traced

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

[] Metcalf, 43

### ST JAMES

Lostock Stream

Built 1855, then 1872, *Ewan Christian*

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

[] BE/LN, 167: Metcalf, 43

## Heating in Churches: Lancashire

### LITTLEBOROUGH

[Greater Manchester SD9316]

#### HOLY TRINITY

Built 1818-20 and from 1889, *Thomas Taylor* of Leeds, then *Crowther*. Believed to be the church described as South Shore, Holy Trinity in Metcalf catalogue (Shore is part of Littleborough)

Heating by John Metcalf, Preston

Low pressure hot water, prob. 1890

[] BE/LS, 138: Metcalf, 43

### LIVERPOOL [Merseyside SJ3490]

#### CATHEDRAL CHURCH OF CHRIST

Building commenced 1904 but not completed until 1978, *Sir Giles Gilbert Scott* appointed 1902, worked on the cathedral until his death in 1960 (even longer than Wren worked on St Paul's)

Heating by G N Haden & Sons Ltd

The original Edwardian proposal (c.1910) was "to heat the Cathedral by low pressure hot water radiators and the direct introduction and recirculation of warm air, then a common system" according to Mr G Nelson Haden {SIHVE Discussion}. However, this proposal was later abandoned and the following scheme (after the Edwardian era but included here for interest) was also described by Mr Haden: "The Lady Chapel was built before the first world war, and it was heated by radiators. Incidentally, the discoloration by radiators of the rough-textured stone was a real disfigurement. In 1919 a new system for the Cathedral itself was suggested.....Almost the whole floor was heated by a system of closed warm-air ducts. Radiators were provided only in the vestries, entrances and immediately under the sills of the very big east end central space and transept windows. Because the system was new and its effect unknown, the precaution was taken of installing big banks of radiators in the triforia, under the clerestory windows, to prevent the usual anticipated down-draught." Mr. Haden also recounted the tests he carried out in 1921, the most unusual feature of which was the use of "big hydrogen balloons on fine silk," when he discovered the dramatic effects of draughts caused by wind on the stained glass windows.

[] BE/LS, 187-90: CA, 239-42 (P): CAEW not listed, new cathedral not built in 1891 (262-3 describes old cathedral): CE/N, 231-4: Cormack, 136-7: HA: SIHVE (Discussion); WRO/1325, serial 53 are the contract papers between G N Haden and the Liverpool Cathedral Committee for the installation of heating apparatus.

{JMB}

Illust: CA, 240 P

#### BELLERIVE CONVENT (RC)

Heating by: John Metcalf, Preston

Low pressure hot water, 1873-1910

[] Metcalf, 41

#### ST AUSTIN (RC)

Aigburth Road, Aigburth (Grassendale)

Built 1838, *unknown*

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

[] BE/LS, 207: Metcalf, 41

#### WALTON WESLEYAN CHURCH

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

[] Metcalf, 43

#### LONGRIDGE [SD6037]

##### CONGREGATIONAL CHURCH

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

Metcalf also heated the School, poss. St Paul, off

Berry Lane, 1886-8 by *Ewan Christian* [14]

[] BE/LN, 170: Metcalf, 43

#### LONGTON [SD4825]

##### ST ANDREW

Built 1887, *J E K Cutts*

Heating by John Metcalf, Preston

Low pressure hot water, prob. 1887

[] BE/LN, 170-1: Metcalf, 43

#### LYDIATE [SD3604]

##### OUR LADY (RC)

Built 1854-5, *Joseph John Scoles*

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

[] BE/LN, 171: Metcalf, 41

#### LYTHAM [SD3627]

##### ST CUTHBERT

Built 1834, enlarged 1872, 1882 & 1909,

*unknown*

Heating by John Metcalf, Preston

Low pressure hot water, prob. c.1882

[] BE/LN, 172-3: Metcalf, 43

## Heating in Churches: Lancashire

**MANCHESTER** [Greater Manchester SJ8398]  
CATHEDRAL AND PARISH CHURCH  
ST MARY, ST GEORGE AND ST DENYS  
Dates from c.1422, some rebuilding by *J P Holden*  
1862-8, then restoration *J S Crowther* 1862-8  
Cathedral from 1847  
Heating by G N Haden & Sons Ltd  
[] BE/LS, 273-9; CA, 244-5 (P); CAEW, 259-61  
(Vi); CE/N, 240-5 (P from TB.1893); Cormack,  
144: HA

**HOLY NAME OF JESUS (RC)**  
Oxford Road  
Built 1869-71, *Joseph Aloysius Hansom*  
One of Hansom's two finest churches {Pevsner}.  
Heating by \*  
[] BE/LS, 307; Curl VC, 36; Jenkins, 343-4

**NOTRE DAME CONVENT (RC)**  
Heating by John Metcalf, Preston  
Low pressure hot water, 1873-1910  
[] Metcalf, 41

**PIN MILL BROW CHURCH**  
Ancoats  
Built c.1869, *John Tarring*  
Heating by G N Haden & Son  
Prob.warm air, 1869  
[] TBL1869/46 (Ve, Vi)

**ST FRANCIS (RC)**  
Gorton Lane  
Built 1864-72, *Edward Welby Pugin*  
Heating by \*  
[] BE/LS, 326-7; Curl VC, 40

**ST MARY OF THE ANGELS (RC)**  
Levenshulme  
Built 1882-3, addition 1914, *H J Tijou*  
Heating by John Metcalf, Preston  
Low pressure hot water, 1873-1910  
Metcalf also heated the Schools  
[] BE/LS, 333; Metcalf, 41

**OLDHAM** [Greater Manchester SD9305]  
**ST MARY (RC)**  
Shaw Street  
Built 1838, *John Grey Weightman & Matthew  
Ellison Hadfield* Described in Metcalf Catalogue  
as Hollinwood (RC) Church  
Heating by John Metcalf, Preston  
Low pressure hot water, 1873-1910  
[] BE/LS, 360; Metcalf, 41

**PRESTON** [SD5429]  
**BROTHERS OF CHARITY (RC)**  
Heating by John Metcalf, Preston  
Low pressure hot water, 1873-1910  
[] Metcalf, 41

**CHRIST CHURCH**  
Bow Lane  
Built 1835-6, transepts and chancel 1851-2  
*John Latham*, later *E H Shellard*  
Heating by John Metcalf, Preston  
Low pressure hot water, 1873-1910  
Metcalf also heated the Church School  
[] BE/LN, 199; Metcalf, 43

**CHRIST CHURCH**  
Victoria Road, Fulwood  
Built 1864-5, *Myres & Veevers*  
Heating by John Metcalf, Preston  
Low pressure hot water, 1873-1910  
[] BE/LN, 201; Metcalf, 43

**GRIMSHAW STREET CONGREGATIONAL  
CHURCH**  
Built 1859, *Bellamy & Hardy*  
Heating by John Metcalf, Preston  
Low pressure hot water, 1873-1910  
Metcalf also heated the Congregational Schools  
[] BE/LN, 203; Metcalf, 43

**LANCASTER ROAD CONGREGATIONAL  
CHURCH**  
Built 1862-5, *unknown*  
Heating by John Metcalf, Preston  
Low pressure hot water, 1873-1910  
[] BE/LN, 195; Metcalf, 43

**ST JAMES**  
Avenham Lane  
Built 1870-81, *James Hibbert*  
Heating by John Metcalf, Preston  
Low pressure hot water, prob.1881  
[] BE/LN, 194; Metcalf, 43

**ST SAVIOUR**  
Queen Street  
Built 1868, *James Hibbert*  
Heating by John Metcalf, Preston  
Low pressure hot water, 1873-1910  
Metcalf also heated the Church School  
[] BE/LN, 203; Metcalf, 43

**ST THOMAS**  
Lancaster Road  
Built 1837-9, *John Latham*, cost £4500  
Heating by John Metcalf, Preston  
Low pressure hot water, 1873-1910

## Heating in Churches: Lancashire

[] BE/LN, 201: Metcalf, 43

### ST WALBURGE (RC)

Weston Street

Built 1850-4, *Joseph Aloysius Hanson* [34]

Heating for Presbytery by John Metcalf, Preston

Low pressure hot water, 1873-1910

[] BE/LN, 199-200: Metcalf, 42

### WINCKLEY SQUARE CONVENT (RC)

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

[] Metcalf, 42

### RIBBY

#### ST NICHOLAS

Wrea Green

Built 1848-9, *unknown*

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

Metcalf also heated the School

[] BE/LN, 207: Metcalf, 43

### ROCHDALE [Greater Manchester SD8913]

#### BROTHERS OF CHARITY (RC)

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

[] Metcalf, 41

#### ST PATRICK (RC)

There is a modern St Patrick, Elliot Street, 1965-8

by *Desmond Williams & Associates*

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

[] BE/LS, 379: Metcalf, 41

### ST HELENS [Merseyside SJ5195]

#### LOWE HOUSE CHURCH (RC)

The RC church at North Road, Lowe House is now St Mary, 1924-30 by *Charles B Powell*.

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

[] BE/L.S, 384: Metcalf, 41

### SALFORD [Greater Manchester SJ8197]

#### CATHEDRAL OF ST JOHN (RC)

Chapel Street

Built 1844-55, *John Grey Weightman* and

*Matthew Ellison Hadfield*

Catherdal since 1850

Heating by \*

[] BE/LS, 390: CA, 256: CE/N, 297: Curl VC, 36

Illust: Curl VC, 36 Ve

### SEAFORTH [Merseyside SJ3297]

#### OUR LADY OF THE STAR (RC)

Church Road

Built 1901, *Sinnott, Sinnott & Powell*

Heating by John Metcalf, Preston

Low pressure hot water, prob.1901

[] BE/LS, 399: Metcalf, 41

### SKELMERSDALE [SD4606]

#### SKELMERSDALE CHURCH (RC)

Not traced.

In 1961 Skelmersdale became a New Town for

Liverpool and Merseyside overspill.

Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

[] Metcalf, 41

### WALTON-LE-DALE [SD5528]

#### WALTON-LE-DALE CHURCH:

Poss. All Saints, Higher Walton, 1861-4, steeple

1871, by *Edward Graham Paley*, cost £6000

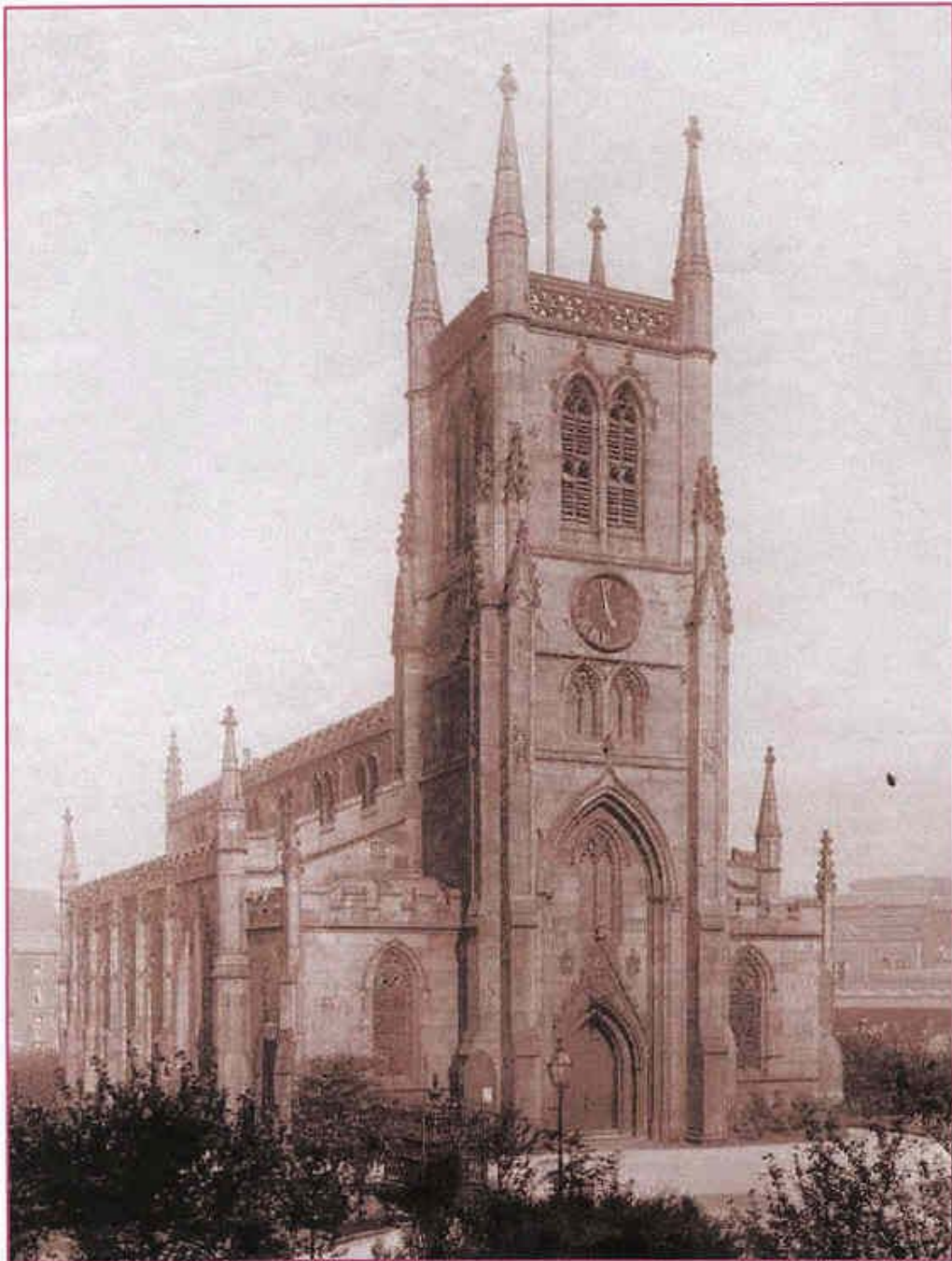
Heating by John Metcalf, Preston

Low pressure hot water, 1873-1910

[] BE/LN,255: Metcalf, 43

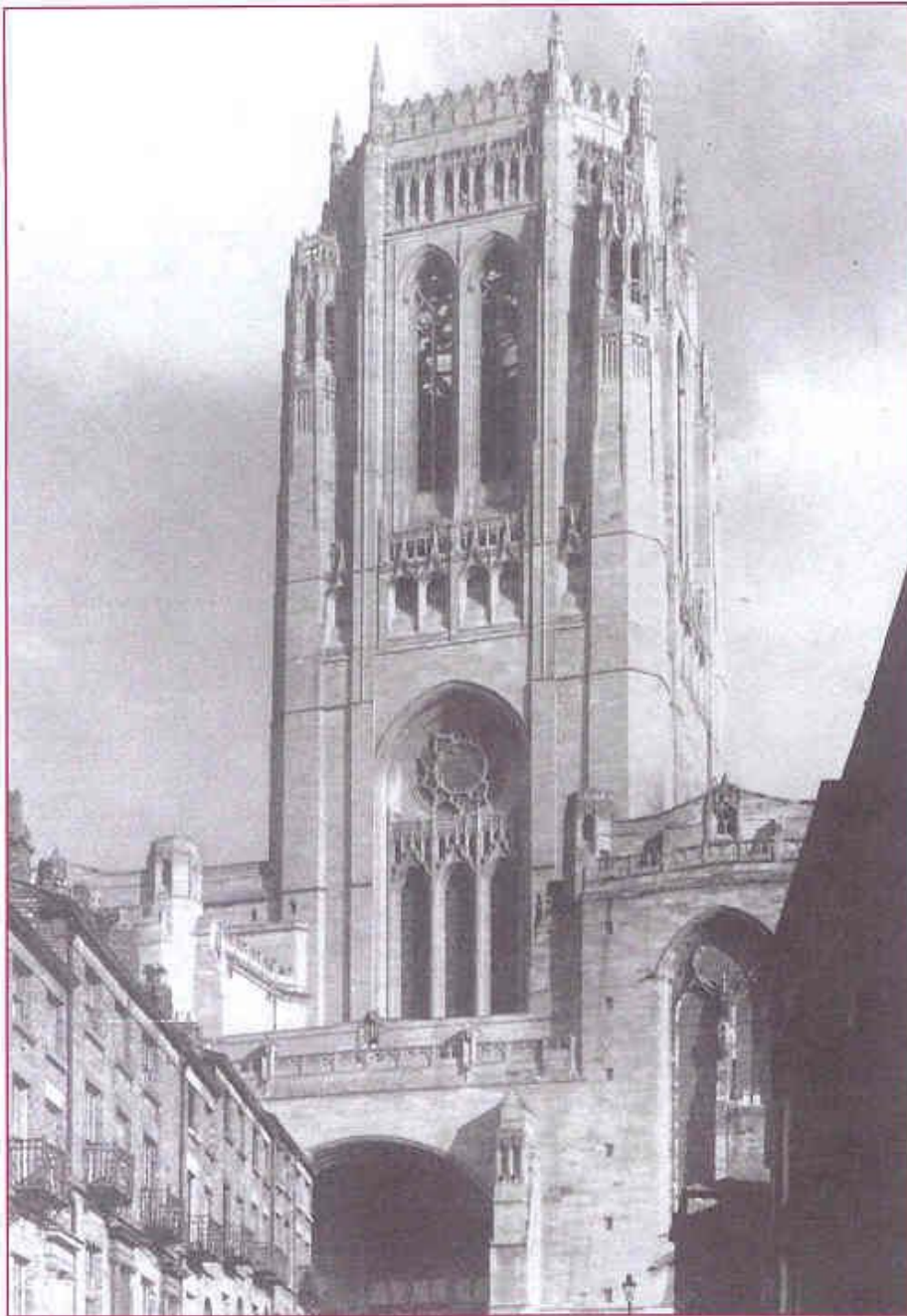


**LANCASHIRE**



**BLACKBURN CATHEDRAL**  
CATHEDRAL AND PARISH CHURCH OF ST MARY THE VIRGIN

## LANCASHIRE



### **LIVERPOOL ANGLICAN CATHEDRAL** CATHEDRAL CHURCH OF CHRIST

Building commenced 1904, the original Edwardian proposal being to heat the building by low pressure hot water radiators and recirculated warm air.

A revised scheme was installed by G N Haden & Sons Ltd  
[G N Haden & Sons Ltd, brochure Activities, undated]

Heating in Churches: Lancashire

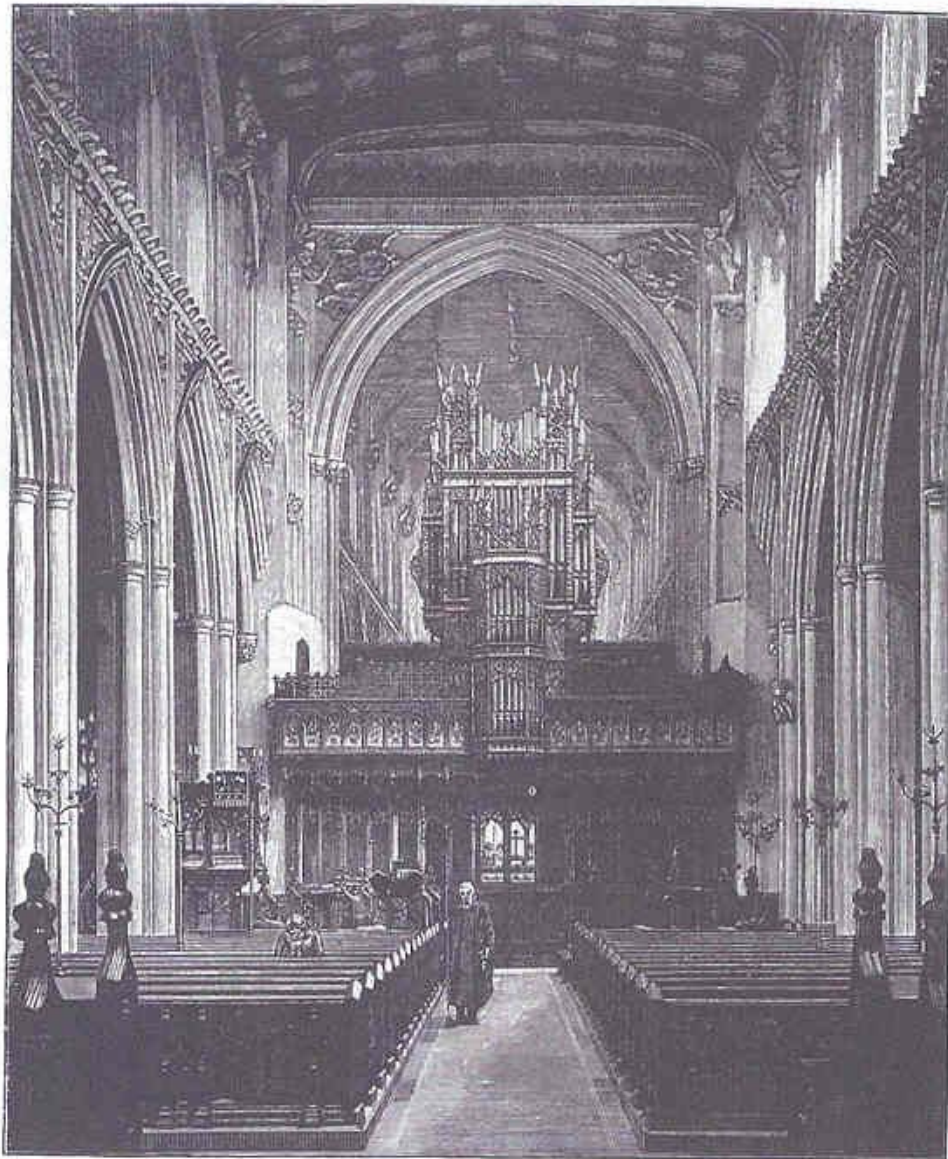
## LANCASHIRE



### LYTHAM ST CUTHBERT

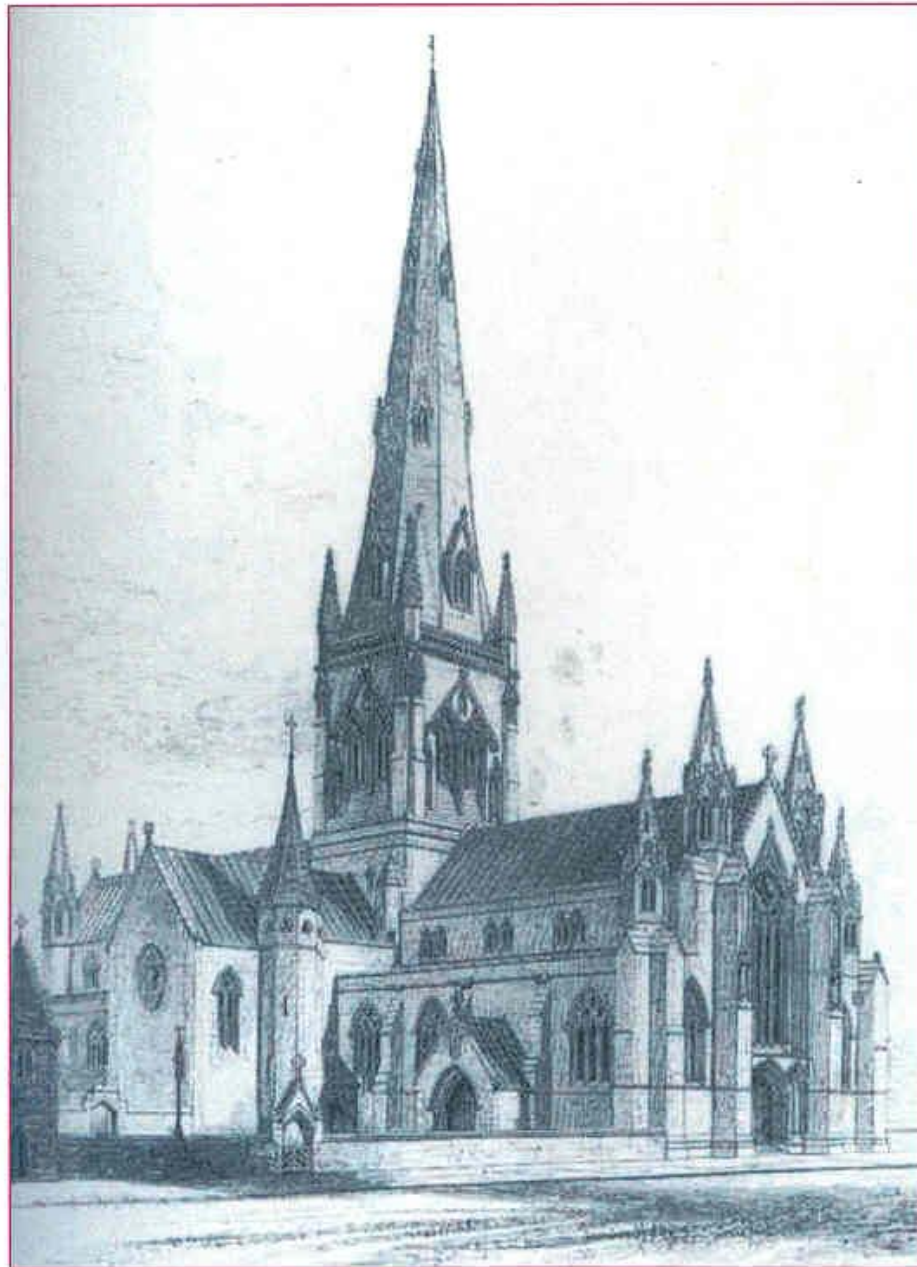
Heating by John Metcalf, probably low pressure hot water, 1880s

**LANCASHIRE**



**MANCHESTER CATHEDRAL**  
CATHEDRAL AND PARISH CHURCH ST MARY, ST GEORGE AND ST DENYS  
Heating by G N Haden & Sons Ltd  
[The Cathedrals & Abbeys of England & Wales, 1891, p.260]

**LANCASHIRE**



**SALFORD CATHEDRAL (RC)**  
CATHEDRAL OF ST JOHN  
[Victorian Architecture, Curl, 1990, fig.4]

## LEICESTERSHIRE AND RUTLAND

**LEICESTERSHIRE.** A county of England, bounded by Derbyshire, Nottinghamshire, Lincolnshire, Rutland, Northamptonshire, and Warwickshire. It extends about 40 miles in each direction. It is divided into 6 hundreds, which contain 12 market towns, and 200 parishes.....

**RUTLANDSHIRE.** The smallest county of England, 15 miles in length, and 11 in breadth. It is bounded by Leicestershire, Nottinghamshire, Lincolnshire, and Northamptonshire. It contains 48 parishes and two market towns.

**Leicester.** ....still a large, but not a handsome town. It contains 15 churches, near one of which are the famous ruins of a Roman wall.

### **ASFORDBY [SK7019]**

#### **ALL SAINTS**

Mostly C14, restored 1866-7, *Sir George Gilbert Scott*

Heating by \*

[] JB, 319

### **ASHBY-DE-LA-ZOUCH [SK3516]**

#### **WESLEYAN (METHODIST) CHAPEL**

Kilwardby Street

Built: 1867-8 by Mr Proudman, Ashby-de-la-Zouch, *Nicholas Joyce*, Stafford.

Heating by Garton & King, Exeter, prob. Garton & King warm air stoves, installed c.1868

[] BE/LE, 80: TBI. 1870/145-6 (Ve)

### **LEICESTER [SK5804]**

#### **CATHEDRAL AND PARISH CHURCH OF ST MARTIN**

Dates from C13, Victorian restoration, 1861-2 & 7 *Raphael Brandon*; also 1880 by *George Edmund Street*, 1880 and 1896-8 *John Loughborough Pearson*. Medieval plan but almost entirely Victorian. Dedicated to St Martin of Tours, cathedral from 1927

Heating by G N Haden & Sons:

[] BE/LE, 208-9: CA, 180: CAEW not listed, not a cathedral in 1891; +CE/N, 180-1: Cormack, 144.

### **ST ANDREW**

Jarrom Street

Built 1860-2, *Sir George Gilbert Scott*

Heating by \*

[] JB, 320-1

### **MARKET HARBOROUGH [SP7387]**

#### **OUR LADY OF VICTORIES (RC)**

Coventry Road

Built 1876-7 by *Holiday & Cave*, Oldham, extensions 1898-1900, *C G Wray*, later extensions by *P P Pugin*

Heating by *John Metcalf*, Preston, low pressure hot water heating, prob. installed 1877.

[] BE/LE, 307: TBI.1877/347-9 (P, Ve)

### **MELTON MOWBRAY [SK7519]**

#### **WESLEYAN (METHODIST) CHAPEL**

Poss. Central Methodist Church, Sage Cross Street, built 1870-1, *R W Johnson*

Heating by *A M Perkins & Son Ltd*, London.

*Perkins* high pressure hot water small-bore heating system, installed before 1891.

[] BE/LE, 318: Dye, 3 (ad)

### **WYMESWOLD [SK6023]**

#### **ST MARY**

Early C14, restored 1844-6, *Augustus Welby Northmore Pugin*

Heating by \*

[] JB, 324

## Heating in Churches: Lincolnshire

### LINCOLNSHIRE

A county of England, lying on the German Ocean, and bounded by Norfolk, Cambridgeshire, Northamptonshire, Rutland, Leicestershire, Nottinghamshire, and Yorkshire. It is 77 miles in length, and 48 in breadth where widest. It is divided into three parts, namely Holland on the south east, Kesteven on the south west, and Lindsey on the north. It contains 30 hundreds, 1 city, 33 market towns, and 630 parishes.

**Lincoln.** It is much reduced from its former extent and splendour, (when it contained 52 parish churches, and was one of the most populous cities of England.... The cathedral is a stately Gothic pile, one of the largest in England, and stands on so lofty a hill, that it may be seen 50 miles to the north and 30 to the south, and is particularly admired for its interior architecture....

**Boston.** It is a large, handsome town, with a spacious market-place; and a fine church, whose tower 300 feet high, serves as a land-mark for sailors.

#### BOSTON [TF3343]

##### ST BOTOLPH

Church Close

Dates from 1309, restored 1845-7, 1851-1857 onwards, mainly by *Sir George Gilbert Scott*. The loftiest medieval tower in England at 272 (288) feet, though nicknamed "The Stump." Also described as a giant among English parish churches, and claimed to be the largest.

Heating by \*

[] BE/LN, 156-161; JB, 332; Jenkins, 367-70

#### GRANTHAM [SK9135]

##### T WULFRAM

Built late C12, restoration from 1863, *Sir George Gilbert Scott* continued from 1878 by *John Oldrid Scott*. Considered to be in the top dozen of English parish churches with a 282 feet high spire.

Heating by \*

[] BE/LN, 316-20; JB, 338; Jenkins, 376-8

#### LINCOLN [SK 9771]

##### CATHEDRAL OF THE BLESSED VIRGIN MARY

[Location, map of the Close, BE/LN, 483]

Norman, from 1230-80, restoration mid-C19, then 1870-92, *J C Buckler*, then *John Loughborough Pearson*. The central tower was once the tallest structure in the world at a height of 525 feet, until it fell in a storm in 1548.

Heating by The London Warming & Ventilating Co Ltd, London, Gurney warm air stoves, installed before 1897, probably c.1890

[] BE/LN, 444-82 (P); CA, 136-41 (P); CAEW, 101-13 (3Vc, 4Vi); CE/N, 196-230 (P from TB.1891); Clifton-Taylor, 270 (P); Cormack, 55-9; Dye, 22 (ad)

#### ST SWITHIN

##### Free School Lane

Built in 3 stages, 1869-71, 1879-80, tower & spire 1884-7, *James Fowler*, Louth. Considered Fowler's most important church.

Heating by \*

[] BE /LN, 500; BN, 26/9/1868 (Ve); TBI.1880ii/649 (Vi)

#### LOUTH [TF3287]

##### ST JAMES

Dates from C15, Victorian restorations, mainly 1860 & 1868-9, *James Fowler*, Louth. Described as one of the most majestic of English parish churches, spire 295 feet high (3 ft taller than St Mary Redcliffe, Bristol).

Heating by \*

[] BE/LN, 538-40; JB, 344; Jenkins, 384

#### MARKET DEEPING [TF1310]

##### ST GUTHLAC:

Built late C12, restored 1877-8, *James Fowler*, Louth.

Heating by Mr Davey, Wisbech, installed c.1878, system unknown.

[] BE/LN, 552-3; TBI.1879/1346 (Vi)

**Heating in Churches: Lincolnshire**

**SKEGNESS [TF5663]**

**ST CLEMENT**

Lincoln Road

Built about C13, restored 1879-80, *James Fowler*,  
Louth.

Heating by \*

[] BE/LN, 644-5: JB, 348: TBI.1880i/412-3 (Ve,  
Vi)

**ST MATTHEW**

Lumley Avenue

Built 1879-80 & 84, *James Fowler*, Louth,  
completed by *C A Bassett-Smith*.

Heating by \*

[] BE/LN, 645

**SPILSBY [TF4066]**

**ST JAMES**

Built: From C14, rebuilt 1879, *William Bassett  
Smith*, John Street, Adelphi, London (a neighbour  
was Wilson W Phipson, a pioneer heating engineer,  
responsible for the Albert Hall and the Natural  
History Museum).

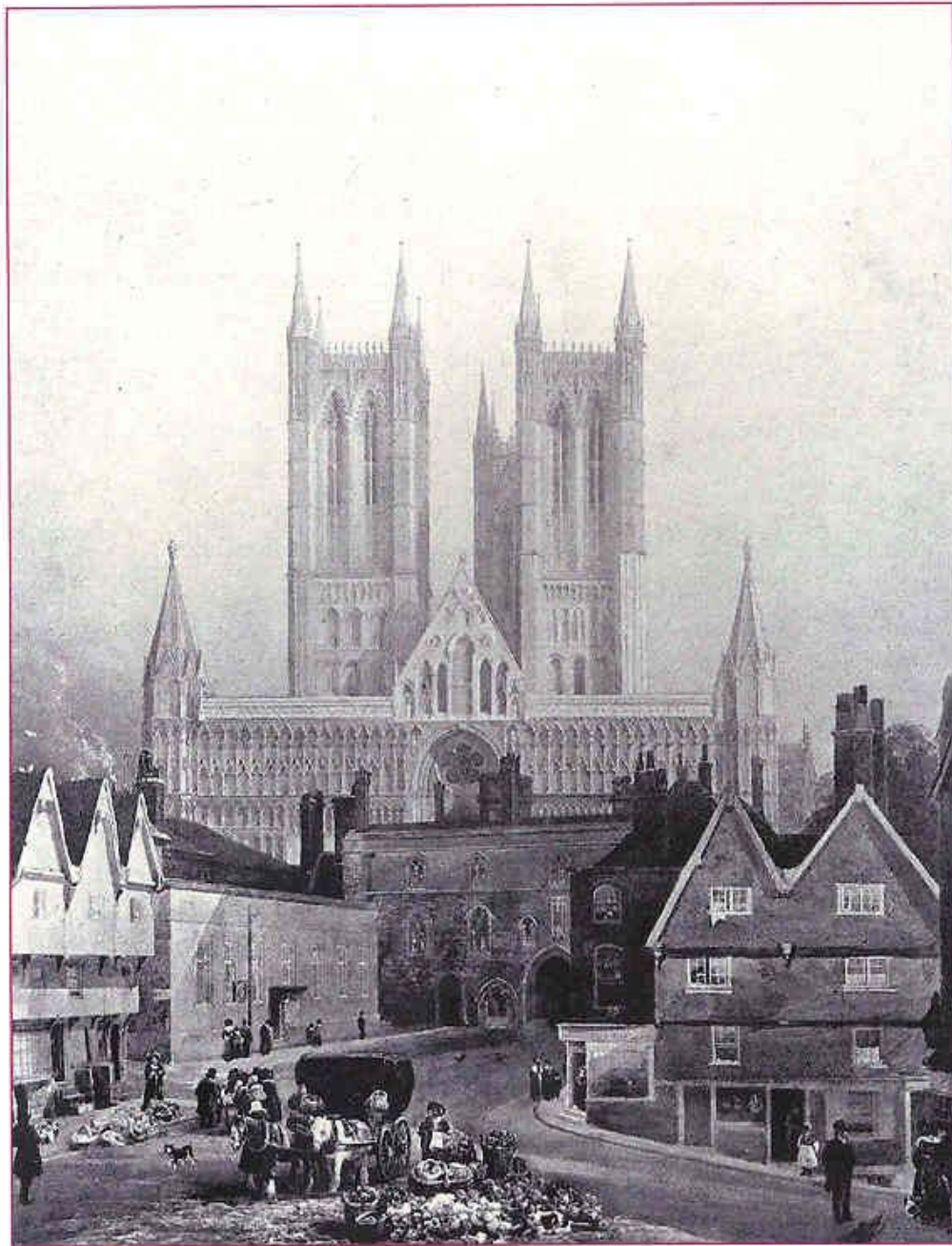
Heating by \*

[] BE/LN, 679-81: TBI.1880i/319 (P, Ve)



Heating in Churches: Lincolnshire

## LINCOLNSHIRE



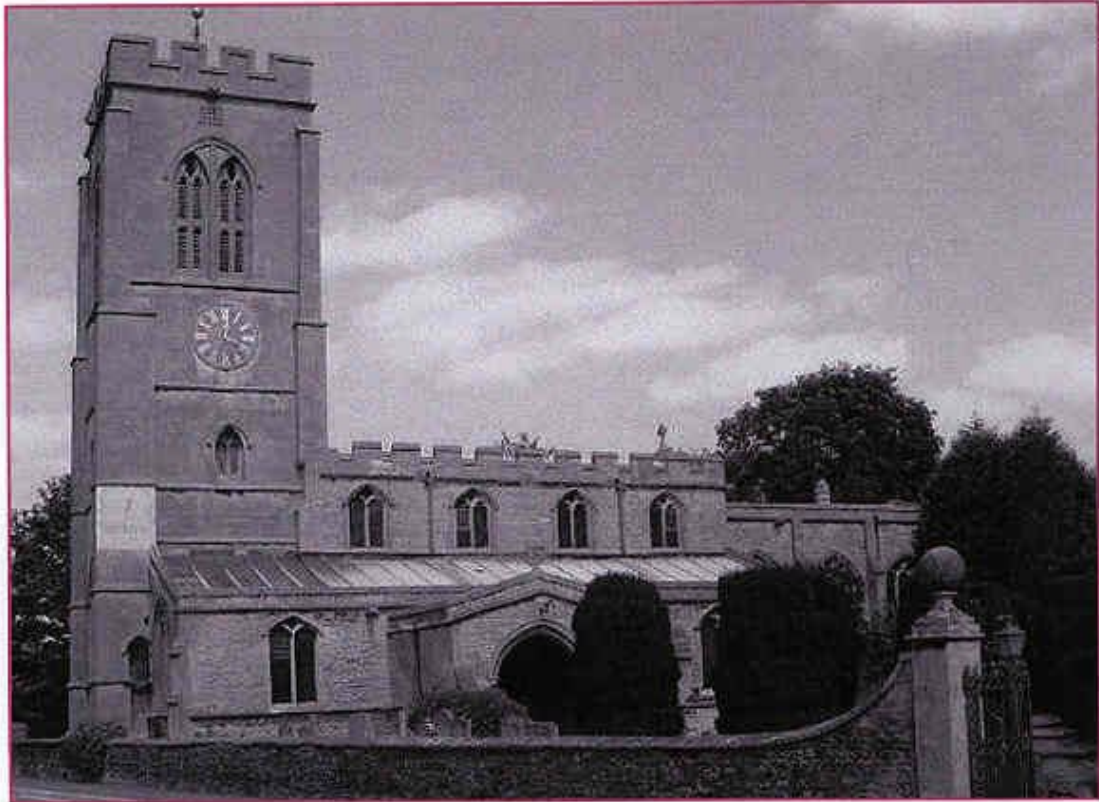
### LINCOLN CATHEDRAL

CATHEDRAL OF THE BLESSED VIRGIN MARY

Heating by Gurney warm air stoves by The London Warming & Ventilating Co Ltd  
[The Cathedral Builders in England, 1904, p.88]

Heating in Churches: Lincolnshire

## LINCOLNSHIRE



### MARKET DEEPING

ST GUTHLAC

Heating by Mr Davey of Wisbech, c.1878, system unknown