A SERIES OF ADVERTISEMENTS
which appeared in the
ARCHITECTURAL PRESS
1941—2
COMMENORATING
HADENS’
125th ANNIVERSARY

G. N. HADEN & SONS LTD
* * Estd. 1816

HEAD OFFICE: 19-29 WOBURN PLACE • LONDON • W.C.1
MANCHESTER • BIRMINGHAM • GLASGOW • BRISTOL • BOURNEMOUTH • TORQUAY
LINCOLN • LIVERPOOL • NEWCASTLE • YORK • BRIGHTON • ABERDEEN
JAMES WATT and Matthew Boulton entered into partnership in 1772 at the famous Soho Foundry in Birmingham. There Watt perfected his steam engine, and there also began the story of Hadens, another firm destined to become the pioneers of a new engineering industry.

G. N. HADEN & SONS LTD

FULLY EQUIPPED BRANCHES AT:

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Aberdeen, Bar St Upper Deesburn
Temperley Addams
Birmingham: 19-29 Woburn Place, London, W.C.1
Catterick: 19-29 Woburn Place, London, W.C.1
Liverpool: 4 Albert Square, Manchester 1

WORKS: TROWBRIDGE

Head Office: 19-29 Woburn Place, LONDON, W.C.1

D0ublin 1585
Towards the end of the 18th century George Haden entered the employ of Boulton & Watt at Soho Foundry, Birmingham. There he served the great James Watt as foreman of the copying press department, as the buyer of timber for the beams of his engines, and as assistant to Murdock in the erection of industrial gas works. By his will James Watt left "to George Haden, an honest man, five pounds."
In the first decade of the 19th century George Haden apprenticed his son, of the same name, to his employers, Boulton & Watt. In 1815 James Watt entrusted him with the erection of two pumping engines in one house at Cranstone Hill Water Works, Glasgow, the first steam pumping plant built for a Corporation’s use.

G. N. HADEN & SONS LTD

FOLLY EQUIPPED BRANCHES AT:

Birmingham 1-2 Albert Square
Chester 26-28 Victoria Street
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Cheltenham 19-20 High Street
Colchester 4-6 High Street
Croydon 2-4 High Street
Dover 8-10 High Street
Durham 5-7 Northgate Street
Edinburgh 1-2 Woburn Place
Exeter 8-10 High Street
Exeter 2-4 High Street
Gloucester 1-2 Woburn Place
Heidelberg 1-2 Woburn Place
Hereford 1-2 Woburn Place
Hull 1-2 Woburn Place
Inverness 1-2 Woburn Place
Leeds 1-2 Woburn Place
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Loughborough 1-2 Woburn Place
Manchester 1-2 Woburn Place
Middlesbrough 1-2 Woburn Place
Newcastle-upon-Tyne 1-2 Woburn Place
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Worcester 1-2 Woburn Place
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York, 19 Mickleigh
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Liverpool: 4-6 High Street, Manchester 1
Newcastle-upon-Tyne: 4-6 Woburn Place

WORCESTERSHIRE

Woolwich: 1-2 Woburn Place, London, W.C.1
Worcester: 1-2 Woburn Place, London, W.C.1

 vẽ: T.B. 1877 (4 km)

Ideal Office, 19-29 Woburn Place, LONDON, W.C.1
IN 1816 George Haden undertook the erection of Boulton & Watt's engine in the West of England Cloth Mills. There, with the blessing of his old firm, he and his brother founded the firm of G. & J. Haden at Trowbridge, Wiltshire, as general engineers, and makers of steam engines and machines under James Watt’s patents and their own.

G. N. HADEN & SONS LTD

FULLY EQUIPPED BRANCHES AT:
Manchester: 10 Albert Square
Birmingham: 10 Great Charles Street
Glasgow: 10 St. Vincent Street
Leeds: 10 Tottenham Court Road
Bournebrook, Aven Way, Aven Road
Lincoln: 10 Guildhall Street

York: 30 Micklegate
Manchester: 10 Albert Square
Birmingham: 10 Great Charles Street
Glasgow: 10 St. Vincent Street
Leeds: 10 Tottenham Court Road
Bournebrook, Aven Way, Aven Road
Lincoln: 10 Guildhall Street

York: 30 Micklegate
Manchester: 10 Albert Square
Birmingham: 10 Great Charles Street
Glasgow: 10 St. Vincent Street
Leeds: 10 Tottenham Court Road
Bournebrook, Aven Way, Aven Road
Lincoln: 10 Guildhall Street

From a drawing by George Haden, circa 1825
IN the year 1819 the brothers G. & J. Haden, founders of the firm, designed and patented a warm air stove. The first was fitted in Matthew Boulton's house, and before long warm air systems were built into public and domestic buildings from Cornwall to Caithness.

To-day stoves of very similar design, made by the company and fired by gas, warm the modern hypocaust at Liverpool Cathedral.

G. N. HADEN & SONS LTD

FULLY EQUIPPED BRANCHES AT:

Manchester & Albert Square
Birmingham & Great Charles Street
Chester & 16 W. Vincent Street
Salford & 137 Bolton Road
Bolton & 1000 Bolton Road
Swansea & 450 Castle Road
Lincoln & Goldhill Street
Newcastle-upon-Tyne, 23 Ash Street

York, 35 Micklegate
Aberdeen, 124 High Street
Aberdeen, 124 High Street
Edinburgh, 124 High Street

Glasgow, 623
central 1218

Bristol, 240

Manchester, 100

Liverpool & Albert Street, Manchester 2

York: 4255
York: 4255

Works: Trowbridge

Affiliated Company: HADENS ENGINEERING CO. LTD, 195 Peake Street, Dublin, C3

Head Office: 19-29 Woburn Place, LONDON, W.C.1

Place: TEL: 2817 (10 lines)

Wwr: Warm, West End, London
EARLY in the last century, the brothers Haden began to combine the warming and ventilation of buildings by air with warming by hot water, often from one furnace. They produced a patent rubber-ringed joint for cast-iron piping, which simplified fixing, and which still stands the higher pressures of modern practice in Westminster Abbey and a dozen Cathedrals.

G. N. HADEN & SONS LTD

FULLY EQUIPPED BRANCHES AT:

- York, 52 Micklegate -
- Liverpool, 4 Albert Square, Manchester 1 -
- London, 67-69 Victoria Place (Terminus 1877)
- Birmingham, 64 Great Charles Street
- Newcastle upon Tyne, 13 Hadley Street
- Manchester, 14 Albert Square
- Exeter, 12 Fore Street
- London, 67-69 Victoria Place
- North Shields, 22 Town Head
- Newcastle upon Tyne, 13 Hadley Street
- York, 52 Micklegate
- Liverpool, 4 Albert Square, Manchester 1

York 3976
Liverpool, 4 Albert Square, Manchester 1

WORKS: TROUDBRIDGE

Affiliated Company: HADEN'S ENGINEERING CO. LTD, 197 Pears Inn, Dublin, C3 Dublin 4993
Fifty years after the foundation of the firm, the sectional radiator was still unknown. In those days coils of pipes were concealed in cast casings, or below grilles. The foundry of the company produced many of these fine examples of the art of the patternmaker and the moulder.
THE firm has always led the way in the centralisation of services.

In the middle of the last century the firm designed and installed single heating systems covering wider and wider areas, using steam to reach distant calorifier chambers.

Towards the end of the century, with the advent of the electric motor, the firm developed first the water screw, and then the centrifugal pump. Before the end of the century installations covering a square mile were warmed by hot water circulated from one central point.
WHEN electricity is generated by steam, great quantities of heat are wasted in the exhaust.

Early in the century the firm opened its electrical department, and balancing the electrical load with the demand for hot water supplies, turned this waste to good purposes in numbers of large buildings.

To-day, the electrical department handles not only power but special lighting problems of every kind.
EIGHTY years ago we filtered air and increased its humidity by passing it through wet horsehair screens and over prismatic glass baffles, occupying much space.

To-day, with the use of refrigeration, we “condition” air, i.e., we control its temperature and humidity automatically, in a much smaller space.

This illustration shows part of an air conditioning plant 100 feet below ground, with alternate air and war-gas filtration controlled from above.

G. N. HADEN & SONS LTD

Head Office: 19-29 Woburn Place, LONDON, W.C.1
This drawing indicates in miniature the quality of design, the ingenuity of arrangement, and the standard of draughtsmanship attained in the company's technical departments.

It illustrates a plant which supplies conditioned air to persons in charge of vital services 100 feet below ground, and includes dust and gas filters, heating and cooling batteries and refrigerating plant.

G. N. HADEN & SONS LTD

Fully equipped branches at:
- Manchester 2A Albert Square
- Birmingham: 15 Great Charles Street
- Glasgow: 30a Sauchiehall Street
- London: 100 Wardour Street
- Thirsk: 185 Works, Otley Road
- Leeds, Woodhouse
- Liverpool, 4 Albert Square

Head Office: 19-29 Woburn Place, LONDON, W.C.1

Phone: 01-603 1977 (10 lines)
Wires: Woburn, Western, London
FOR one hundred and twenty-five years, under four
generations, Hadens have led the development of heating,
ventilating and air conditioning.

To-day they work for all the departments of government, in
factories, camps, government offices, and ships. The company's
works, re-built, are in full use.

When the time for re-construction comes, Hadens' experience
and organisation will again be at the service of architects and
engineers.

G. N. HADEN & SONS LTD
Estd. 1816