



Catalogue of the records of the
Historical Metallurgy Society
and papers of
Charles R Blick

by
C J Williams

Historical Metallurgy Society
2005

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INTRODUCTION

The Historical Metallurgy Society Ltd was formed in 1979 to study and preserve our cultural heritage in the field of historical metallurgy, and to make knowledge of it available to the public, historians, academics, etc. It is the only body active in this field in the United Kingdom. It organizes meetings and an annual conference, and publishes a journal, *Historical Metallurgy*, twice yearly.

The archives of the society dating from the foundation of its predecessor, the Historical Metallurgy Group, in 1962, have been deposited with the Ironbridge Gorge Museum Trust. The records include the minutes, accounts and correspondence of the society, papers relating to annual conferences, etc. The greater part of the archive consists of papers relating to the history of metallurgy amassed by the late Mr Charles Blick, a founder member of the Historical Metallurgy Group, who was successively treasurer, secretary and president of the society. Many of these records reflect his years as the society's active conservation officer, but they also include items relating to the history of iron and steel collected in a lifetime working in the industry, as well as his work for the United Steel Company and British Steel Corporation. They date mainly from the 1950s to the 1990s, but there are some earlier items, and they relate to all parts of Great Britain and Ireland, as well as some overseas countries.

Charles Richard Blick began his career in 1934 as an apprentice in the United Steel Company. He then moved to the Workington Iron and Steel Co, a branch of United Steel. By 1938 he was assistant blast furnace manager at the Appleby-Frodingham Steel Co works in Scunthorpe. Following war service in the Royal Artillery he returned to Workington in 1947 as assistant to the general works manager, and in 1953 became assistant commercial manager. From 1966 he was at the Sheffield divisional headquarters, where he was public relations officer to what became the Midland group of the British Steel Corporation. In 1991 he published *Early Metallurgical Sites in Great Britain BC 2000 to AD 1500*, which provided detailed descriptions of the field remains of fifteen sites relating to the mining and smelting of iron, copper, lead and gold. He died in 2001.

The collection also includes records of the British Refractories Research Association, Mellor Laboratories, Shelton, Stoke on Trent, and the manuscript of R A Mott's *Triumphs in Iron and Steel*, all of which have been presented to the society.

Audio tape recordings in the collection have been removed; copies on CD are available.

The records are held in the Ironbridge Gorge Museum Library and Archives, Ironbridge, Telford TF8 7AW (01952 432141).

HISTORICAL METALLURGY SOCIETY ARCHIVES

HISTORICAL METALLURGY GROUP/SOCIETY

Minutes: council meetings

- 1 Minutes (some signed) and agendas of council meetings. 1962–72 (1 file).**
- 2 Minutes (unsigned) of council meetings, with correspondence and papers relating. 1977–87 (1 file).
- 3 Minutes (signed) of council meetings, with papers relating. 1979–86 (1 file).
- 4 Minutes (some signed) of council meetings, with papers relating. 1987–91 (1 file).
- 5 Minutes (unsigned) of council meetings, with correspondence and papers relating (Charles Blick's copies; includes photographs of HMS display stands). 1988–91 (1 file).
- 6 Attendance book for council meetings (photocopy). 1979–86 (1 file).
- 7 Attendance book for council meetings (photocopy). 1986–9 (1 file).

Minutes: committee meetings

- 8 Minutes (unsigned) of committee meetings, with correspondence and papers relating. 1969–79 (1 file).
- 9–12 Minutes (some signed) of Archaeology Committee, with correspondence relating:
- 9 Meetings 1–22. 1986–92 (1 file).
 - 10 Meetings 21–9. 1992–5 (1 file).
 - 11 Meetings 30–9. 1995–2001 (1 file).
 - 12 Meetings 40–8. 2001–4 (1 file).
- 13 Minutes (unsigned) of Archaeology Committee, with correspondence and papers relating (Charles Blick's copies). 1989–92 (1 file).
- 14 Conservation Committee: conservation notes for council. 1986–9 (1 file).
- 15 Reports and papers of Programme and Meetings Committee. 1986–9 (1 file).
- 16 Minutes (unsigned) of Publications Sub-Committee, with correspondence and papers relating. 1982–6 (1 file).

Branch records

- 17 Cardiff branch: correspondence and papers. 1990–1 (1 file).**

AGM records

- 18 Minutes (unsigned) of AGMs, with correspondence and papers relating. 1966–79 (1 file).
- 19 Minutes (unsigned) of AGMs, with agendas. 1970–86 (1 file).
- 20 Minutes (signed) of AGMs, with agendas and papers relating. 1979–84 (1 file).
- 21 Minutes (unsigned) of AGMs, with correspondence and papers relating (Charles Blick's copies). 1980–4 (1 file).
- 22 AGM, Scunthorpe 1985: correspondence and papers of Charles Blick, including publications and photographs relating to steelworks. 1984–6 (1 file).
- 23 **AGMs and conferences: correspondence, papers and photographs of Charles Blick. 1986–92 (1 file).**
- 24 **Minutes (unsigned) of AGMs, with papers relating. 1987–9 (1 file).**
- 25 **Minutes (unsigned) of AGMs, with agendas. 1989–91 (1 file).**

Conference records

- 26–50 **Papers, with correspondence and some photographs, relating to annual conferences:**
 - 26 Wolverhampton. 1965 (1 file).
 - 27 Sheffield. 1966 (1 file).
 - 28 Forest of Dean. 1967 (1 file).
 - 29 Barrow in Furness. 1968 (1 file).
 - 30 Penzance. 1969 (1 file).
 - 31 Swansea. 1970 (1 file).
 - 32 **Leeds – lead mining in Yorks. 1971 (1 file).**
 - 33 Cardiff. 1972 (1 file).
 - 34 Keele. 1973 (1 file).
 - 35 Sheffield. 1974 (1 file).
 - 36 Dumfries. 1975 (1 file).
 - 37 Middleton St George, near Darlington. 1976 (1 file).
 - 38 Aberystwyth. 1977 (1 file).
 - 39 South Wales: Sidney Gilchrist Thomas centenary. 1978 (1 file).
 - 40 The Weald, Sussex. 1979 (1 file).
 - 41 Newcastle upon Tyne (including tape recording of lecture). 1980 (1 file).
 - 42 Bath. 1981 (1 file).
 - 43 Loughborough. 1982 (1 file).
 - 26–50 **44 Southampton (bicentenary of Henry Cort's puddling process). 1983 (1 file).**
 - 45 Birmingham. 1984 (1 file).

- 46–7 Cumbria (Lancaster). 1985 (2 files).
- 48 Dartington, Devon (including tape recording of symposium on conservation). 1986 (1 file).
- 49 Snowdonia. 1987 (1 file).
- 50 Metals and the Sea (National Maritime Museum). 1990 (1 file).

Secretary's correspondence, etc

51 General correspondence of secretary. 1970–3 (1 file).

52–61 Secretary's correspondence:

- 52 1971–2 (1 file).
 - 53 1973 (1 file).
 - 54 1974 (1 file).
 - 55 1975 (1 file).
 - 56 1976 (1 file).
 - 57 1977 (1 file).
 - 58 1978 (1 file).
 - 59 1979–80 (1 file).
 - 60 1981–2 (1 file).
 - 61 1983–4 (1 file).
- 62–5 Correspondence of Charles Blick with members and others, arranged by correspondent, including publications, press-cuttings, photographs, etc. c1980–90:
- 62 A–D (1 file).
 - 63 E–H (1 file).
 - 64 M–P (1 file).
 - 65 R–Z (1 file).
- 66–8 Miscellaneous correspondence:
- 66 1974–86 (1 file).
 - 67 1987–8 (1 file).
 - 68 1988–92 (1 file).
- 69 Completed application forms for membership. 1969–73 (1 file).
- 70 Correspondence and papers re drafting of constitution. 1971–3 (1 file).
- 71 Correspondence with Charity Commission. 1973–4 (1 file).
- 72 Particulars of HMG, lists of publications, membership forms, etc. 1975–6 (1 file).
- 73 Draft paper on origins and purpose of HMS; leaflets, lists of publications, etc. 1984–90 (1 file).
- 74 Correspondence on conservation policy, including copies of English Heritage *Conservation Bulletin*. 1989–91 (1 file).

Financial records

- 75 Accounts and balance sheets. 1969–85 (1 file).
 76 Treasurer’s reports. 1986–9 (1 file).

Publications

- 77 HMG *Bulletins* Nos 1 (1963) – 8 (1967).
 78 *HMS News* (newsletter). 1976–91 (1 file).

PAPERS OF CHARLES BLICK

Metallurgy: general

- 79 Open University Educational Enterprises: correspondence, papers and tape recording concerning courses on history of technology. 1984–5 (1 file).
 80 Ancient mining and metallurgy: correspondence and papers concerning conference at University College of North Wales, Bangor. 1986 (1 file).
 81 Early metallurgical sites in Great Britain: correspondence, papers and offprints concerning C R Blick’s *Early Metallurgical Sites in Great Britain BC 2000 to AD 1500* (1991), its sale, reviews, etc. 1988–93 (1 file).
 82 MS of *Early Metallurgical Sites in Great Britain*, with correspondence and photographs relating. 1991 (1 file).
 83 Metallurgy in art: correspondence and photographs concerning a series of reproductions of paintings depicting early metallurgical processes (see list in *Historical Metallurgy*, Vol 8 No 1 (1974), 55–7). 1991–2 (1 file).

Iron and steel: general

- 84 Open-hearth furnaces: articles and publications on history, correspondence and papers concerning closure of works, preservation, etc. 1946–81 (1 file).
 85 Northern England: correspondence, papers and publications concerning iron and steel industries in Yorkshire, Teesside and Northamptonshire. 1946–84 (1 file).
 86 Blast and blowing: correspondence and offprints of articles on blast, blowing engines and tuyeres. 1954–89 (1 file).
 87 Hammers: correspondence and offprints of publications concerning James Nasmyth, Tiny Tim (giant hammer), and general history of forging. 1967–93 (1 file).

- 88 Blast furnaces: correspondence, papers, articles, etc, on development of blast furnaces, and furnace practice. 1968–97 (1 file).
- 89 ‘Miscellaneous’ [iron and steel]: Bessemer at Workington, HMS conferences and publications, etc. 1970–9 (1 file).
- 90 Coke: correspondence and papers concerning coke and carbonization of lump coal. 1980–3 (1 file).
- 91 Wales and the west country: general correspondence and papers concerning iron industry in Wales, Wiltshire, Herefordshire and Forest of Dean, including photographs of Ebbw Vale and Llanwern steelworks. 1980–6 (1 file).
- 92 West Midlands iron industry: correspondence and papers concerning various early blast furnaces (including sites in Montgomeryshire). 1981–91 (1 file).
- 93 Early furnace technology: papers concerning symposium held at the British Museum. 1982 (1 file).
- 94 Early blast furnaces: correspondence with J E Rehder and others, and papers relating to early furnaces. 1984–91 (1 file).
- 95 Iron – conservation and technology: correspondence and papers concerning conference held at University of Bristol. 1985 (1 file).
- 96–7 Wrought iron: correspondence and papers concerning seminar held at Ironbridge. 1986 (2 files).
- 98 Bessemer converter: correspondence and papers concerning small pilot Bessemer converter from Barrow ironworks in Science Museum. 1987–8 (1 file).
- 99 Acid Bessemer steelmaking on Teesside: paper by Gareth Fletcher and press cuttings. 1987–93 (1 file).
- 100 Iron: draft paper on experiments on iron smelting by R Adams and R F Tylecote. 1988 (1 file).
- 101 ‘Early blast furnace file’: recording form, correspondence, papers and photographs relating mostly to Backbarrow. 1988 (1 file).
- 102 ‘Early blast furnaces in England, Scotland and Wales: a table of known visible remains’, by Charles Blick: correspondence, papers and photographs re various sites. 1980s (1 file).
- 103 Early blast furnaces: completed forms re remains of early blast furnaces, with correspondence and papers and some photographs relating. 1987–8 (1 file).

- 104 Early blast furnaces: ‘surplus material’ – papers and photographs concerning Rockley furnace, South Yorks, Bedlam, Shrops, Darkhill, Gloucs, and Astley, Worcs. 1977–82 (1 file).
- 105–8 Blast furnaces: correspondence, papers, publications, and photographs concerning visible remains of early blast furnaces in UK. 1962–87:
 105 Cumbria (1 file).
 106 Wales (1 file).
 107 Scotland (1 file).
 108 Northern Ireland and Republic of Ireland (1 file).
- 109 Iron and steel and coal industry: correspondence and papers concerning selection of sites for statutory protection. 1988–93 (1 file).
- 110 ‘Grompy’: correspondence and papers concerning ‘grompy’ (reduced lumps of iron ore), including letters from Professor Jerzy Piaskowski (Poland), and from Peter Crew (Plas Tan-y-Bwlch), with offprints of articles on iron industry in north-west Wales. 1990–1 (1 file).
- 111 Henry Baker: letters from Henry G Baker (Thrybergh, Rotherham), with offprints of articles on aspects of iron industry: Samuel Walker, Kimberworth ironfounder, John Baker & Co, and Henry Bessemer. 1990–1 (1 file).
- 112 Abstracts: copies of abstracts of articles on iron industry sent to Janet Lang (British Museum). 1990–2 (1 file).
- 113 ‘Melting Pot’: copies of W K V Gale’s ‘Melting Pot’ column in *Steel News*, with letters from Gale and others relating. 1990–3 (1 file).
- 114 Early blast furnaces: correspondence, notes, negatives, etc, relating to ‘Early blast furnace notes’ (*Historical Metallurgy*, Vol 25 No 1 (1991), 47–56); includes material concerning various sites, especially Trimsaran and Cefn Cribwr ironworks in south Wales. 1991–3 (1 file).
- Iron and steel: notable men**
- 115 Henry Bessemer (1813–98): correspondence and papers re Workington, Henry Bessemer, the Bessemer converter, and objects associated with Bessemer. 1981–5 (1 file).
- 116 Henry Cort (1740–1800): correspondence, papers, photographs and tape recording concerning Henry Cort, the puddling process and wrought iron; includes brochure and photographs on closure of Atlas Forge, Bolton. 1974–89 (1 file).
- 117 Benjamin Huntsman (1704–76): correspondence, photographs and papers concerning commemoration in Sheffield of bicentenary of death of Benjamin Huntsman, inventor of the crucible steel process. 1976 (1 file).

- 118 Benjamin Huntsman: correspondence and papers on film about life of Benjamin Huntsman. 1992 (1 file).
- 119 Thomas Newcomen (1663–1729): correspondence and papers concerning Newcomen type engine at Elsecar, Barnsley, Yorks. 1961–84 (1 file).
- 120 Thomas Newcomen: correspondence and papers concerning Thomas Newcomen, tercentenary of birth, and Newcomen engines. 1963–88 (1 file).
- 121 Thomas Newcomen: correspondence, papers, reports and photographs relating to Elsecar engine, Black Country Museum replica, etc, including tape recording of soundtrack from Shell Cinemagazine concerning Elsecar engine. 1986–8 (1 file).
- 122 Sir William Siemens (1823–83): correspondence, papers and photographs concerning centenary of Siemens (1823–83), his career, laying of wreath on his grave in Kensal Green Cemetery, and proposed demolition of Siemens Laboratory at Landore, Swansea. 1982–8 (1 file).
- 123 John Wilkinson (1728–1808): correspondence and papers concerning John Wilkinson at Bersham and Brymbo, Denbighshire, and in Shropshire (including some early numbers of *Journal of the Wilkinson Society*). 1974–9 (1 file).
- 124 John Wilkinson: papers concerning Wilkinson, Brymbo, iron industry generally, and monument near Grange over Sands, Cumbria. 1974–86 (1 file).
- 125 John Wilkinson: *Wilkinson Studies*, Vols I–II, and correspondence relating. 1990–2 (1 file).
- Other metals: general**
- 126 Lead industry in Swaledale and Teesdale: Cleveland Industrial Archaeology Society guide, and correspondence relating. 1979–87 (1 file).
- 127 Alston, Grassington and Nenthead lead industry: Northern Mine Research Society papers. 1984–8 (1 file).
- 128 Lead-smelting mills – Surrender and Old Gang, Swaledale, Cononley, Yorks, and Coniston copper mine: correspondence and papers. 1984–90 (1 file).
- 129 2000 years of copper and brass: correspondence and papers re conference at University of Bristol. 1985 (1 file).
- 130 Aluminium 1886–1986: correspondence and papers concerning conference in Yugoslavia, and industry generally. 1986 (1 file).

- 131 Gold – panning, mining in Britain and Ireland: press cuttings, etc. 1986–94 (1 file).
- 132 Northern Pennines lead-mining heritage: correspondence concerning discussion document. 1987–9 (1 file).
- 133 ‘Prehistoric copper mining in Great Britain’: paper by Simon Timberlake. 1991.

Guns and armour

- 134 Gun making: correspondence, papers, reports and photographs concerning general history of gun making, Woolwich Arsenal, metallurgy at Tower of London, 20-pounder rifled cannon from River Don works, Sheffield, ‘Mons Meg’ (medieval cannon at Edinburgh Castle), Proof and Experimental Establishment at Shoeburyness, etc. 1983–9 (1 file).
- 135 Tower of London: archaeology, Royal Mint, etc: correspondence and papers. 1983–90 (1 file).
- 136 Royal Armouries: brochures, press cuttings, etc, with correspondence relating. 1987–8 (1 file).

Museums

- 137 Clifton Museum, Rotherham: photographs of Roman artefacts, and slag samples. nd [?1950s].
- 138 Black Country Museum: letters from W K V Gale with report on hand re-rolling mill, and copy of his *History of the Pensnett Railway* (1969). 1985–6 (1 file).
- 139 Butser ancient farm, Peterborough: correspondence and papers, yearbooks, newsletters, etc. 1987–90 (1 file).

Other societies

- 140 Cleveland Industrial Archaeology Society: membership papers. 1978–86 (1 file).
- 141 Institute for Archaeo-Metallurgical Studies: newsletters 15–17 (1990–1).
- 142 Institute of Metals: membership papers, brochures, etc. 1985–8 (1 file).
- 143–4 Institute of Metals: *Metals and Materials* (journal of the institute):
 143 Vol 2 No 12 (1986)–Vol 4 No 7 (1988) (1 file).
 144 Vol 4 No 8 (1988)–Vol 6 No 10 (1990) (1 file).
- 145 Institute of Metals: AGM papers and presidential address, ‘Materials and Gas – A Natural Link’, by W L Mercer. 1990 (2 items).

- 146 ICCROM Symposium: papers re International Centre for Study of Preservation and Restoration of Cultural property, held at Ironbridge. 1984 (1 file).
- 147 Newcomen Society: membership papers, correspondence, publications, etc. 1979–90 (1 file).
- 148 Peak District Mines Historical Society: newsletters, bulletins, etc. 1987–90 (1 file).
- 149 Science and Engineering Research Council: reports of Coordinator for Science-Base Archaeology. 1990 (1 file).
- 150–1 Trevithick Society – *Journal of the Trevithick Society*:
 150 Nos 1–6 (1973–8).
 151 Nos 7–16 (1979–89).
- 152 Trevithick Society: membership papers, newsletters and correspondence. 1973–85 (1 file).
- 153 Trevithick Society: membership papers and correspondence, and tape recording of Brains Trust on Cornish engines. 1989–90 (1 file).
- 154 Wealden Iron Research Group: *Bulletin*, Nos 1–17 (1969–80) (1 file).
- 155 Wealden Iron Research Group: correspondence, papers, publications, etc. 1970–90 (1 file).

Railways

- 156 West Cumberland Rail Tour: photographs and tickets re Stephenson Locomotive Society and Manchester Locomotive Society tour, Workington–Sellafield, Distington, etc. 1954 (1 file).
- 157 West Cumberland Rail Tour: correspondence and papers. 1954 (1 file).

**Mining and metallurgical sites
 England**

Cheshire

- 158 Alderley Edge: correspondence, papers, publications and photographs concerning copper mines. 1988–9 (1 file).

Cleveland

- 159 Clay Lane blast furnaces: correspondence and papers concerning closure and proposed preservation. 1979–85 (1 file).

- 160 Davy McKee companies: correspondence and papers concerning history. 1986–7 (1 file).

Cornwall

- 161 Cornish mining industry: press cuttings and papers concerning state of industry, price of metals, etc. 1985–9 (1 file).
- 162 Cornwall Mineral Tramways Project: correspondence and papers concerning project, various mines, and end of Cornish mining; includes letters from Bryan Earl and samples of slag from Gannel furnace and Trevelga Head. 1991–3 (1 file).
- 163 Lostwithiel Duchy Palace and Stannary: papers and photographs. 1989–90 (1 file).

Cumbria/Lake District

- 164 Cumbria copper works and mines: articles (mostly in German), correspondence, etc, concerning work of Daniel Höchstetter. 1989–91 (1 file).
- 165 Backbarrow: extracts from Lake District Local Plan. 1991 (1 file).
- 166 Backbarrow ironworks: correspondence, papers, photographs and slides. 1980–91 (1 file).
- 167 Beck Leven bloomery, Brantwood, Coniston: correspondence and papers. 1988–9 (1 file).
- 168 Browngill lead mines, Alston: correspondence, papers and photographs. 1988–9 (1 file).
- 169 Cleator blast furnace: reports. 1983–9 (1 file).
- 170 Coniston forge: letter from M Davies-Shiel with slides and copies of article on Coniston forge, and bloomery at Lindale church, Grange over Sands. 1991 (1 file).
- 171 Duddon Bridge iron furnace: correspondence and papers. 1972–91 (1 file).
- 172 Hoggett Gill lead smelter, Hartsop Hall: correspondence, papers and photographs concerning site. 1985–7 (1 file).
- 173 Halton and Leighton furnaces: correspondence, papers and photographs. 1988–9 (1 file).
- 174 Keswick copper: correspondence and papers concerning Keswick, Daniel Höchstetter, and early copper industry. 1989–94 (1 file).
- 175 Little Clifton furnace, Greysouthen: correspondence. 1954–87 (1 file).

- 176 Maryport blast furnace: correspondence, papers and photographs concerning demolition of furnace and excavation of site and coke ovens. 1953–90 (1 file).
- 177 Millom ironworks: press cuttings and photographs of site. 1971–90 (1 file).
- 178 Newland iron furnace, Ulverston: correspondence and papers. 1983–91 (1 file).
- 179 Nibthwaite iron works: correspondence and papers. 1983 (1 file).

Derbyshire

- 180 Butterley ironworks: correspondence and papers, and slag sample. 1990 (1 file).
- 181 Chesterfield Tube Co Ltd: brochure. 1965.
- 182 Melbourne blast furnace: correspondence, papers and plan. 1963–82 (1 file).
- 183 Morley Park iron furnaces, Heage: correspondence, papers and photographs. 1950–89 (1 file).
- 184 Peak District lead-mining and smelting sites: correspondence and papers. 1989 (1 file).
- 185 Stanton and Staveley ironworks: brochure re history, and photographs. 1975 (1 file).
- 186 Unstone coke ovens: correspondence and papers and offprints concerning beehive coke ovens. 1988–92 (1 file).

Devon

- 187 Ashburton furnace: correspondence and papers. 1983 (1 file).
- 188 Combe Martin: letters from Peter Claughton concerning Combe Martin and other Devon mines, including slag samples, and charcoal iron furnaces in Canaston Wood, Pembs, and at Sherracombe Ford, Devon. 1989 (1 file).
- 189 Dartmoor Tin Research Group: newsletters and papers. 1991–4 (1 file).
- 190 Taw River tin blowing mill, Belstone, Dartmoor: correspondence, papers and photographs. 1988–9 (1 file).

Durham

- 191 Derwentcote steel furnace and cementation: publications, photographs and correspondence; report on excavation by David Cranstone. 1982–93 (1 file).
- 192 Killhope lead mine: correspondence and papers, and excavation reports. 1983–8 (1 file).
- 193 Wm Doxford & Sons, Sunderland: brochures, etc, concerning Doxford marine diesels. 1961–2 (1 file).

Essex

- 194 Chapel Farm iron smelting furnace, Little Totham: correspondence and papers concerning site. 1986–93 (1 file).
- 195 Rook Hall Farm site, Little Totham: correspondence, papers and photographs concerning early iron working, and other Essex sites, including tape recording of lecture by A L Tomlinson. 1986–91 (1 file).

Gloucestershire/Forest of Dean

- 196 Darkhill ironworks, Forest of Dean: correspondence, papers and photograph. 1985–7 (1 file).
- 197 Gunns Mill blast furnace, Flaxley, Forest of Dean: correspondence, papers and plans. 1989 (1 file).
- 198 Lydney blast furnace: correspondence and papers. 1985–7 (1 file).
- 199 Newent iron furnace: correspondence and papers concerning site and analysis of ore sample. 1989–90 (1 file).
- 200 Puzzle Wood (Scowle Holes) iron mines, Coleford, Forest of Dean: correspondence and papers. 1988–9 (1 file).
- 201 Whitecliff iron furnace, Coleford: correspondence, papers and photographs. 1966–84 (1 file).
- 202 Whitecliff Furnace Trust, Coleford: correspondence and papers concerning repairs to furnace. 1985–6 (1 file).
- 203 Whitecliff Furnace Trust, Coleford: minutes, papers and photographs concerning furnace. 1987–8 (1 file).

Herefordshire

- 204 Bringewood furnace and forge: report, papers and correspondence. 1979 (1 file).

Lancashire

- 205 Holme Chapel iron mine and works, Cliviger: correspondence and papers. 1991–2 (1 file).
- 206 Kirklees Hall Coal and Iron Co, Ince in Makerfield: correspondence and papers. nd [1970s] (1 file).
- 207 Lancashire Steel Manufacturing Co Ltd, Irlam works: brochure. 1957.

Leicestershire

- 208 Moira blast furnace: correspondence, papers and photographs. 1977–85 (1 file).
- 209 Moira blast furnace: report and papers concerning completion of restoration works. 1985 (1 file).

Northamptonshire

- 210 Northamptonshire ironstone mines: *Ironstone and Agriculture* (brochure concerning ironstone mines and reclamation). nd [1960s] (2 copies).

Northumberland

- 211 Allensford blast furnace: article, papers and photographs. 1978–88 (1 file).

Sheffield

- 212 Abbeydale industrial hamlet: brochures, papers and press cuttings. 1968–73 (1 file).
- 213 Doncaster's steel cementation furnace, Hoyle Street: correspondence on restoration as part of Midland Bank headquarters. 1987–9 (1 file).
- 214 Sheffield and Bessemer converter: correspondence, papers, press cuttings and photographs concerning preservation of 'Big Bess' Bessemer converter. 1974–81 (1 file).
- 215 Sheffield iron and steel industry: correspondence, papers and photographs concerning iron and steel industry in Sheffield area, including Rotherham, and Wortley forge. 1976–83 (1 file).
- 216 Sheffield iron and steel industry: correspondence and papers concerning sites, listing of buildings, etc. 1984–5 (1 file).
- 217 Sheffield and Stocksbridge industrial sites: correspondence, papers and press cuttings. 1991–3 (1 file).

Shropshire

- 218 Shropshire lead mines: publications of Shropshire Caving and Mining Club concerning Llanymynech and mines of south-west Shropshire. 1970–9 (3 vols).
- 219 Shropshire lead mines – Pontesford, Pontesbury and Snailbeach: correspondence and papers. 1985–8 (1 file).
- 220 Charlcot charcoal blast furnace: papers and photographs. 1964–6, nd (1 file).
- 221 Coalbrookdale Old Furnace: correspondence, photographs and reports. 1981–5 (1 file).
- 222 Ironbridge, Blists Hill open-air museum and Bedlam furnace: guide books (and photograph of Bedlam c1910–20). 1973–84 (1 file).

Somerset

- 223 Charterhouse on Mendip lead mines: correspondence and papers. 1989–90 (1 file).
- 224–5 Saltford brass battery mill, Keynsham: correspondence and papers concerning public enquiry. 1986–7 (2 files).

Staffordshire

- 226 Bilston iron and steel works: brochures, photographs and papers, including brochures on Wolverhampton and Birchley rolling mills. 1971–80 (1 file).
- 227 Midlands iron: papers concerning iron industry (mostly in Staffordshire), including paper on Bradley ironworks of John Wilkinson, photographs of [?Tunstall] furnace, etc. 1966–72 (1 file).
- 228 Round Oak steelworks, Brierley Hill: W H B Hatton, *An Early History and Some Unrecorded Incidents of Round Oak Steel Works* (1969).
- 229 Springwood furnace, Chesterton: correspondence, papers and plan. 1964–86 (1 file).

Sussex

- 230 Newbridge furnace and forge, Hartfield, East Sussex: correspondence, papers and slide. 1988–9 (1 file).
- 231 North Park furnace, Linchmere, West Sussex: report and plans. 1989 (1 file).
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- 238 Low Mill blast furnace, Cawthorne: papers and photographs. 1989, nd (1 file).
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- 245 Banwen ironworks, Glamorgan: correspondence and papers. 1983–4 (1 file).
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- 247 Brecon iron furnace: correspondence, papers and photographs. 1979 (1 file).
- 248 Bromley Hill (Oakwood) furnace, near Abergavenny: correspondence. 1966 (1 file).
- 249 Edward Curran companies, Cardiff: company history and photographs. 1953–7 (1 file).
- 250 Castell Henllys project, Crymych, Dyfed: correspondence, newsletter and papers concerning iron-smelting activities. 1984–8 (1 file).
- 251 Cefn Cribwr, Glamorgan – John Bedford’s ironworks: correspondence, papers and photographs concerning site. 1966–92 (1 file).
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- 253 Coed Ithel blast furnaces, Llandogo, Gwent: letters and papers. 1991 (1 file).
- 254 Cyfartha and Ynys Fach ironworks, Merthyr: correspondence, papers and photographs. 1983–6 (1 file).
- 255 Dolaucothi gold mines, Dyfed: brochures and papers. 1985–9 (1 file).
- 256 Graig furnace, Abercarn, Gwent: correspondence and photographs. 1984 (1 file).
- 257 Kilgetty (Stepaside) ironworks, Saundersfoot, Dyfed: correspondence and papers. 1983 (1 file).
- 258 Llanelli, Dingle furnace, Dyfed, and Alexander Raby: correspondence and papers. 1978–85 (1 file).
- 259 Maesteg ironworks, Glamorgan: correspondence, papers and photographs. 1986–90 (1 file).
- 260 Melin-y-cwrt (Melincourt) ironworks, Resolven, Glamorgan: correspondence, papers and plans. 1980 (1 file).
- 261 Neath Abbey ironworks, Glamorgan: correspondence, papers and photographs concerning site. 1989–90 (1 file).
- 262 Pentyrch ironworks, Glamorgan: correspondence, papers, press cuttings and photographs. 1989 (1 file).
- 263 Sirhowy ironworks, Gwent: publication and photographs. 1978 (1 file).

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- 267 Venallt ironworks: correspondence, brochures, etc. 1980–3 (1 file).

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- 268 Bersham ironworks, Wrexham: correspondence, notes, guidebooks, etc. 1979–88 (1 file).
- 269 Brymbo steelworks, Wrexham: correspondence, works history, and copy old photographs. 1977–90 (1 file).
- 270 Bryn-y-castell hillfort, Gwynedd, late prehistoric iron-working settlement: correspondence and papers. 1984–8 (1 file).
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- 272 Dolgun blast furnace, near Dolgellau: correspondence, papers and photographs. 1961–83 (1 file).
- 273 Dol-y-clochydd furnace, Llanfachreth, Merioneth: correspondence and papers. 1986 (1 file).
- 274 Dyfi blast furnace, Dyfed: correspondence, papers, photograph and slides relating to site and excavation. 1982–8 (1 file).
- 275 Great Orme copper mines, Llandudno: correspondence, press cuttings and papers. 1986–91 (1 file).
- 276 Snowdonia iron industry: letters and papers from Peter Crew. 1991–3 (1 file).

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- 277 Bonawe iron furnace, Argyll: correspondence, papers and photographs concerning site, planning application, etc. 1985–91 (1 file).
- 278 Cheardach Ruadh (Red Smiddy) ironworks, Poolewe, Ross & Cromarty: correspondence, slides and papers concerning excavation. 1981–2 (1 file).

- 279 Colvilles Ltd, Glasgow: brochures relating to various works. nd [1960s] (1 file).
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- 283 Glengarnock steelworks site and proposed national steel museum: correspondence and papers. 1980–1 (1 file).
- 284 Leadhills and Wanlockhead lead mines: correspondence and papers. 1988–9 (1 file).
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- 286 Skerry East blast furnace, Newtowncrommelin, co Antrim: correspondence, papers, photographs and plans. 1987–8 (1 file).

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- 287 Burra copper smelting works: correspondence, papers and photographs. 1989–90 (1 file).

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Egypt

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- 291 Cornish engines: original and copy old photographs and slides of rotative Cornish engines at Fresnillo silver mines, with correspondence relating. 1980–7 (1 file).

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- 292 Iron industry: correspondence with Jerzy Piaskowski, Krakow, concerning early iron industry, with papers and tape recording relating. 1960–92 (1 file).
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- 294 Iron industry: papers and publications. 1972–85 (1 file).
- 295 Iron industry: correspondence with Erik Tholander of Royal Institute of Technology, Stockholm, and papers concerning early iron technology. 1985–6 (1 file).
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- 297 History of mining and metallurgy in Sweden: paper in Swedish by Erik Tholander, with English summary. 1979.

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- 298 Bethlehem Steel Co, Sparrows Point plant: brochure. 1951.
- 299–330 Early iron industry: correspondence, brochures and papers concerning industry, blast furnaces, etc. 1985–7 (2 files).
- 301 Sir Francis Drake's brass plate: correspondence, reports and photographs relating to authenticity of brass plate, found in Drake's Bay, California, in 1936, claiming the coast for Queen Elizabeth in 1579. 1987–92 (1 file).
- 302 Taylor Metallurgical: correspondence with W H Taylor of Taylor Metallurgical (1965) Ltd, Ranolph, New Jersey, concerning alleged 'dirty tricks'. 1992 (1 file).

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- 303 Electric arc furnace: collection of BSC manuals and papers relating to electric arc furnace. 1960–78 (1 file).

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- 305 Demand forecasting: reports. 1967–73 (1 file).
- 306 Stainless steels: brochures, etc. 1967–8 (1 file).
- 307–8 Stainless steel: reports, press releases and photographs, etc:
 307 1967–71 (1 file).
 308 1971–2 (1 file).
- 309 Sir Monty Finnieston, chairman: press cuttings, papers and photographs. 1968–76 (1 file).
- 310 Lord Melchett, chairman, and Lady Melchett: press releases, cuttings, photographs and papers. 1969–73 (1 file).**
- 311 'Management information' (circulars from chairman's office). 1969–76 (1 file).**
- 312-13 United Engineering Steels: correspondence, papers, reports and press **cuttings concerning formation by BSC and GKN, reorganization, economies, etc (including photographs of furnaces and works – Appleby-Frodingham, Steel, Peech & Tozer, and BSC Rotherham). 1969–88 (2 files).**
- 314 Chay Blyth, round the world yachtsman and his yacht, *British Steel*: press cuttings, photographs and papers. 1970–2 (1 file).
- 315 Steel – ten-year strategy: reports, papers and press cuttings. 1972–3 (1 file).
- 316 Size of steel industry: reports on energy, forecasts, etc. 1972–5 (1 file).
- 317 J David Joy, managing director of BSC Sheffield: press cuttings, photographs and papers concerning his career. 1973–6 (1 file).
- 318 'Crunch 1': reports, papers and press cuttings concerning prospects and finances of British steel industry. 1975–8 (1 file).
- 319 'Beswick': reports of Lord Beswick, press cuttings and papers concerning proposed closures. 1975–8 (1 file).
- 320–1 Stockpiling: reports, press cuttings and papers. 1975–8 (2 files).
- 322 BSC products, investments, etc: advertising posters. nd [1970s] (1 file).
- 323 Annual reports, brochures, press cuttings, etc. 1984–8 (1 file).

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Chemicals

- 324 BSC Chemicals Ltd: press releases, brochures, etc. 1972–9 (1 file).

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- 325 Corby works and Stewarts and Lloyds Ltd: brochures. 1945–1950s (1 file).
- 326 Corby – East Carlton Countryside Park and heritage centre on BSC site. 1984–6 (1 file).

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- 327 Distington Engineering Co, Workington (part of BSC Forges, Foundries and Engineering): press releases concerning orders from Ravenscraig. 1958–76 (1 file).
- 328 Distington Engineering Co: reports concerning continuous casting. 1963–5 (1 file).
- 329 Distington Engineering Co: press releases, etc, concerning continuous casting. 1968–78 (1 file).
- 330 Distington Engineering Co: press releases and papers concerning orders. 1971–3 (1 file).
- 331 Distington Engineering Co: press releases concerning orders from India for billet casting machines. 1972–3 (1 file).
- 332–3 Distington Engineering Co: press releases, cuttings, etc, concerning orders.
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 333 1973–5 (1 file).

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- 334 BSC Midland Group: directory of personnel. 1969.

Redpath, Dorman Long

- 335 Dorman Long: brochures. 1960–7 (1 file).
- 336 Redpath, Dorman Long Ltd: press releases, brochures, etc. 1975–9 (1 file).

Reinforcement group

- 337 BSC Reinforcement Group: press releases, correspondence, etc. 1975 (1 file).

Rotherham

- 338 Park Gate Iron & Steel Co Ltd, Rotherham: brochures, including facsimile reproduction of souvenir brochure of 1910. 1900–57 (1 file).

- 339 Steel, Peech & Tozer, Rotherham: brochures and original artwork, including early photographs. 1947–73 (1 file).
- 340 Park Gate Iron & Steel Co: report on operations and development by C H T Williams, joint managing director. 1951 (1 vol).
- 341 Park Gate Iron & Steel Co: album of photographs of 11in continuous bar mill. 1953 (1 vol).
- 342 *A Technical Survey of the Park Gate Iron & Steel Co Ltd, published by Steel Times*. Includes history of firm from 1823 to 1956. nd [c1960].
- 343 BSC Rotherham: photographs, press releases and press cuttings concerning redevelopment of BSC Special Steels Division, Rotherham Works. 1972–4 (1 file).
- 344 Park Gate works: press reports and photographs. 1974–83 (1 file).
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- 346 G R Walshaw and C A J Behrendt, *The History of Appleby-Frodingham* (Appleby-Frodingham Steel Co, 1950).
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- 352 BSC Scunthorpe group: brochures, press cuttings and photographs. 1972–7 (1 file).
- 353 BSC Scunthorpe: correspondence, papers and press cuttings concerning proposed preservation and demolition of Normanby Park blast furnaces. 1983–6 (1 file).

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- 354 English Steel Corporation, Vickers/River Don works, Sheffield: brochures. 1938–76 (1 file).
- 355 English Steel Corporation: brochure to commemorate visit of the Queen and Duke of Edinburgh to River Don works, Sheffield. 1954 (2 copies).
- 356 Vickers Ltd, River Don works, Sheffield: souvenir brochure. nd [1950s].
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- 359 Davy-United, rolling mill engineering, Sheffield: brochures. nd [1960s] (2 items).
- 360 Brown Bayley Steel Ltd, Sheffield: brochures. 1971 (1 file).
- 361 BSC: press cuttings, photographs and papers relating to visit of Duke of Edinburgh to River Don works. 1973 (1 file).
- 362 BSC – Sheffield Division; Stainless; Forges, Foundries and Engineering; Light Products: brochures, organizational manuals, press cuttings, etc. 1973–8 (1 box).
- 363 BSC, River Don works, Sheffield: photographs and press cuttings. 1973–8 (1 file).
- 364 BSC Sheffield (former English Steel Corporation): brochures, correspondence, papers and photographs. 1973–83 (1 file).
- 365 Tinsley Park Works, Sheffield: brochure and photographs. 1975 (1 file).
- 366 Dunford Hadfields Ltd, Sheffield: brochures. 1975, nd (1 file).
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- 368 BSC Sheffield Division: brochure relating to visit of Select Committee on Nationalised Industries. 1977.
- 369 *Daniel Doncaster & Sons Ltd 1778–1978*: brochure on history of Sheffield steel company. 1978.
- 370 Transcripts of BBC Sheffield programmes on story of Sheffield steel, with BSC correspondence relating. 1978–9 (1 file).

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371 BSC Shelton: brochure and press cuttings. 1974–6 (1 file).

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372 Samuel Fox & Co Ltd, umbrella frame manufacturers and steelmakers, Stocksbridge: brochures, photographs, etc. 1948–1970s (1 file).

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374 BSC Special Steels Division: reports, papers and photographs, including copies of *ESC Review*, *Special Steels Review*, etc. 1965–74 (1 box).

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376 BSC Special Steels Division: reports and press cuttings concerning division, BSC reorganization and finance, etc. 1969–79 (1 box).

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380 BSC Teesside Division: correspondence, papers, press cuttings and photographs relating to Redcar blast furnace lighting-up ceremony, and later production. 1979–88 (1 file).

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- 389 Workington Iron and Steel Co and Bessemer steel: papers and photographs. 1939–81 (1 file).
- 390 Workington Iron and Steel Co: brochure to mark visit of the Queen. 1956.
- 391 Workington Iron and Steel Co: papers and photographs concerning visit of the Queen. 1956 (1 file).
- 392 Workington Iron and Steel Co: correspondence, papers and (some early) photographs, and brochure relating to visit of Crown Prince Harald of Norway in 1960 to open 'Focus' Sinter Plant. 1960–81 (1 file).
- 393 Workington Iron and Steel Co: report by F B Cawley on 'Future Steel-making at Workington', 1963, with later correspondence relating. 1963–85 (1 file).
- 394 Workington Iron and Steel Co (later BSC): brochures on products, and correspondence, papers, press cuttings and photographs concerning Henry Bessemer, etc. 1970–88 (1 file).
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General

- 406–9 Blast Furnace Refractories Joint Committee (BFRJC) – blast furnace reports:
 406 1937–40 (1 file).
 407 1940–9 (1 file).
 408 1950–2 (1 file).
 409 1953–5 (1 file).
- 410 BFRJC – progress reports. 1938–47 (1 file).
- 411 BFRJC – memoranda. 1955–62 (1 file).
- 412 BFRJC – reports and papers. 1957 (1 file).
- 413 BFRJC – papers of ad hoc group on abrasive resistance. 1960–6 (1 file).
- 414 BFRJC – miscellaneous papers. 1967–73 (1 file).
- 415 BFRJC – report on performance of properties of some currently available blast furnace carbon refractories. 1967 (1 file).
- 416 British Iron and Steel Research Association (BISRA) – memoranda. 1947–9 (1 file).

- 417 **BISRA – summary of proceedings at Junior Blast furnace conference. 1961–2 (1 file).**
- 418 **BISRA – reports of delegations to USA, Canada and USSR. 1962 (1 file).**

Company files

These British Refractories Research Association files include reports on visits to works, blow-outs of furnaces, and samples; and photographs.

- 419 **Appleby-Frodingham Steel Co, Scunthorpe. 1940–50 (1 file).**
- 420 **Appleby-Frodingham Steel Co. 1940–63 (1 file).**
- 421 **Appleby-Frodingham Steel Co: report on 100 years of ironmaking. 1965 (1 file).**
- 422 **Bairds & Scottish Steel, Renishaw ironworks. 1951–63 (1 file).**
- 423 **Barrow Hematite Co, Barrow Ironworks. 1944–54 (1 file).**
- 424 **Brymbo Steelworks. 1954 (1 file).**
- 425 **Cargo Fleet Iron Co Ltd, Middlesbrough. 1943–52 (1 file).**
- 426 **Colvilles, Clyde Iron Works. 1949–59 (1 file).**
- 427 **Consett Iron Co Ltd, Consett. 1945–6 (1 file).**
- 428 **Consett Iron Co Ltd home trade price list. 1968 (1 file).**
- 429 **Darwen & Mostyn Iron Co Ltd, Mostyn, Flints. 1939–53 (1 file).**
- 430 **Darwen & Mostyn Iron Co Ltd: loose papers. 1946–55 (1 file).**
- 431 **Dorman Long & Co Ltd, Cleveland works. 1943–54 (1 file).**
- 432 **Dorman Long & Co Ltd, Acklam works, Middlesbrough. nd [1940s] (1 file).**
- 433 **Dorman Long research report on No 2 blast furnace, Clay Lane. 1968 (1 file).**
- 434 **Ford Motor Co, Dagenham. 1944–59 (1 file).**
- 435 **Guest, Keen Baldwins Iron & Steel Co Ltd (later Steel Company of Wales), Margam and Abbey works, Port Talbot. 1939–64 (1 file).**
- 436 **Guest, Keen Baldwins Iron & Steel Co Ltd, East Moors works, Cardiff. 1951–2 (1 file).**
- 437–8 **Kettering Iron & Coal Co Ltd, Kettering. 1938–57 (2 files).**
- 439 **Lilleshall Company, St George's, Shropshire. 1952 (2 items).**
- 440 **John Lysaght's Scunthorpe Works Ltd, Normanby Park Steel Works, Scunthorpe. 1950–1 (1 file).**

- 441 Parkgate Iron & Steel Co, Rotherham. 1945–53 (1 file).
- 442 Pease & Partners Ltd, Iron Works, Middlesbrough. 1946–57 (1 file).
- 443 Silverdale, Staffs: historical notes from Sneyd papers, etc. nd [1970s] (1 file).
- 444 South Durham Steel & Iron Co Ltd, West Hartlepool. 1947–51 (1 file).
- 445 Stanton Ironworks Co Ltd, near Nottingham. 1943–54 (1 file).
- 446 Staveley Iron Co, Derbys. 1952–60 (1 file).
- 447 Steel Company of Wales Ltd, Margam works, Port Talbot (also Workington Iron & Steel Co Ltd). 1950–61 (1 file).
- 448–9 Stewarts & Lloyds Ltd, Bilston and Corby. 1938–61 (2 files).
- 450 Stewarts & Lloyds Ltd, Corby: photographs of stoves. 1964 (1 file).
- 451 Stewarts & Lloyds Ltd, Corby: papers re blast furnace reline. 1968 (1 file).
- 452 G & R Thomas Ltd, Bloxwich, Staffs. 1946 (1 file).
- 453–4 Wellingborough Iron Co Ltd, Wellingborough, Northants. 1939–51 (2 files).
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- 456 Detail des travaux de refection par projection pneumatique de betons refractaires de la Cuve du Haut Fourneau No 1 de Thionville [France] (report in French). 1966 (1 vol).
- 457 Blast furnace thermocouples: correspondence and papers. 1939–54 (1 file).

R A MOTT PAPERS

- 458 Typescript of Reginald Arthur Mott's *Triumphs in Iron and Steel: The Historic Transition from Iron to Steel* (unpublished typescript and carbon copy, ?1970s), presented to the Historical Metallurgy Society following his death), with correspondence relating. 1984–6 (1 file).