

Industrialization
and
Urbanization
in
Medieval Scotland:
the material evidence

By

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Volume 2

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Illustrations:

Plates and Line Drawings

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- Fig. 1 A fifteenth-century German flesher at his booth
Sources: pl. 96 Das Hausbuch der Mendelschen
Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et
al 1965. Copyright Bruckmann, München.
- Fig. 2 Sawn horn-cores from the Perth High Street
Excavation. Photographed in: Perth Museum and Art
Gallery, George Street, Perth.
- Fig. 3 Mallet-head made from an antler burr and antler
working waste from excavations at Broad Street,
Aberdeen. Courtesy of Aberdeen Art Gallery and
Museum, School Hill, Aberdeen.
- Fig. 4 A fifteenth-century German skinner at work
Sources: pl. 63 Das Hausbuch der Mendelschen
Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et
al 1965. Copyright Bruckmann, München.
- Fig. 5 A fourteenth-century tanner's yard with possible
fire-pits in foreground, excavated in the
Gallowgate, Aberdeen. Courtesy of Aberdeen Art

Gallery and Museum, School Hill, Aberdeen.

Fig. 6 Decorated fourteenth/fifteenth-century knife scabbards from the 1975 Perth High Street Excavation. Courtesy of Perth Museum and Art Gallery, George Street, Perth. [Cat. Nos. as follows: Top, A8334; middle, A8183/C2247; bottom, A8002/C2237].

Fig. 7 A fifteenth-century German weaver at work.
Sources: pl. 9 Das Hausbuch der Mendelschen Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et al 1965. Copyright Bruckmann, München.

Fig. 8 Fragments of thirteenth/fourteenth-century woollen cloth from the 1975 Perth High Street Excavation. Photographed in: Perth Museum and Art Gallery, George Street, Perth.
[Bottom:- a 2/2 Diamond Twill; Top right. 1/1 2 ply; top left 2/1 perhaps napped Cat. Nos. 12340/C5097].

Fig. 9 A fifteenth-century German dyer at work.
Sources: pl. 68 Das Hausbuch der Mendelschen Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et al 1965. Copyright Bruckmann, München.

Fig. 10 A fifteenth-century German baker at work.
Sources: pl. 162 Das Hausbuch der Mendelschen

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- Fig. 11 Fifteenth-century corn drying kiln, excavated at Mill Street, Perth. Courtesy of the late N McGavin, ex Scottish Urban Archaeology Unit.
- Fig. 12 Fifteenth-century quern-stone base of oven, excavated at Meal Vennel, Perth. Courtesy of L Blanchard, ex Scottish Urban Archaeology Unit.
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- Fig. 14 A fifteenth-century German brewer at work.
Sources: pl. 38 Das Hausbuch der Mendelschen Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et al 1965. Copyright Bruckmann, München.
- Fig. 15 A fifteenth-century German carpenter at work.
Sources: pl. 105 Das Hausbuch der Mendelschen Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et al 1965. Copyright Bruckmann, München.
- Fig. 16 Medieval woodworking tools from excavations in Perth. Photographed in: Perth Museum and Art Gallery, George Street, Perth. Smaller chisel, from Methven Street; Larger chisel, from Canal

Street II; Spoon-bit from Kirk Close [Cat. Nos. 91, 92, 95].

- Fig. 17 A fifteenth-century German cooper at work.
Sources: pl. 22 Das Hausbuch der Mendelschen Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et al 1965. Copyright Bruckmann, München.
- Fig. 18 Cooped barrel, reused to line a medieval pit, from the High Street, Elgin. Courtesy of W Lindsay, ex Elgin Archaeological Heritage Trust.
- Fig. 19 A fifteenth-century German blacksmith at work.
Sources: pl. 81 Das Hausbuch der Mendelschen Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et al 1965. Copyright Bruckmann, München.
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- Fig. 21b Plan of the smiddy area excavated at Castle Street Inverness. Courtesy of J Wordsworth (Wordsworth 1982 357).

- Fig. 22 Fifteenth/sixteenth-century smiddy area excavated at Meal Vennel, Perth, showing hearth, socketed stone and debris. Courtesy of L Blanchard, ex Scottish Urban Archaeology Unit.
- Fig. 23 A fifteenth-century German knife-maker at work. Sources: pl. 145 Das Hausbuch der Mendelschen Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et al 1965. Copyright Bruckmann, München.
- Fig. 24 Possible sixteenth-century Jedburgh staff from Murthly Castle. Courtesy of David Caldwell, National Museums of Scotland.
- Fig. 25 Fifteenth-century wrought iron breech chamber from Fife, 320mm long. Courtesy of David Caldwell, National Museums of Scotland. NMS Reg. LH 236
- Fig. 26 Bronze hagbut cast in 1553, probably by David Rowan. Courtesy of David Caldwell, National Museums of Scotland. NMS Reg. L.1979.1
- Fig. 27 A fifteenth-century German goldsmith at work. Sources: pl. 88 Das Hausbuch der Mendelschen Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et al 1965. Copyright Bruckmann, München.
- Fig. 28a Central print of the Bannatyne or Bute Mazer,

made between 1314 and 1318. National Museums of Scotland, Reg. L.1979.11.

Fig. 28b Silver lip band of the Bannatyne or Bute Mazer, made in the sixteenth century. National Museums of Scotland, Reg. L.1979.11.

Fig. 29 The Galloway Mazer, made by James Gray of the Canongate, c1569. National Museums of Scotland, Reg. MEQ 148.

Fig. 30 The Ballochyle Brooch, made in Scotland c1550 National Museums of Scotland, Reg. L.1936.7a.

Fig. 31 Map of the main gold, silver, copper, and lead mining areas in Scotland (after Wilson & Flett 1921 and Macgregor 1940).

Fig. 32 Early workings, with possible fire-setting, at the Tonderghei copper mine NW of Burrow Head, Wigtownshire NGR NX 439 348.

Fig. 33 A fifteenth-century German coppersmith at work. Sources: pl. 33 Das Hausbuch der Mendelschen Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et al 1965. Copyright Bruckmann, München.

Fig. 34 The twelfth-century St Fillan's Bell, National Museums of Scotland, Reg. KA 2.

- Fig. 35 Composite mould for the casting of copper-alloy pins, from the High Street, Elgin. Courtesy of Bill Lindsay, ex Elgin Archaeological Heritage Trust.
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- Fig. 37 A fifteenth-century German pewterer at work. Sources: pl. 55 Das Hausbuch der Mendelschen Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et al 1965. Copyright Bruckmann, München.
- Fig. 38 A possible lead working hearth excavated at Castle Street, Inverness (No date). Courtesy of J Wordsworth, ex Scottish Urban Archaeology Unit.
- Fig. 39 Modern salt pans at Pointe du Croisic, Guerande, Loire Atlantique, France.
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Fig. 41 Map of the principal medieval burghs
 and other towns mentioned in the text.



Fig. 1 A fifteenth-century German flesher at his booth
Sources: pl. 96 Das Hausbuch der Mendelschen
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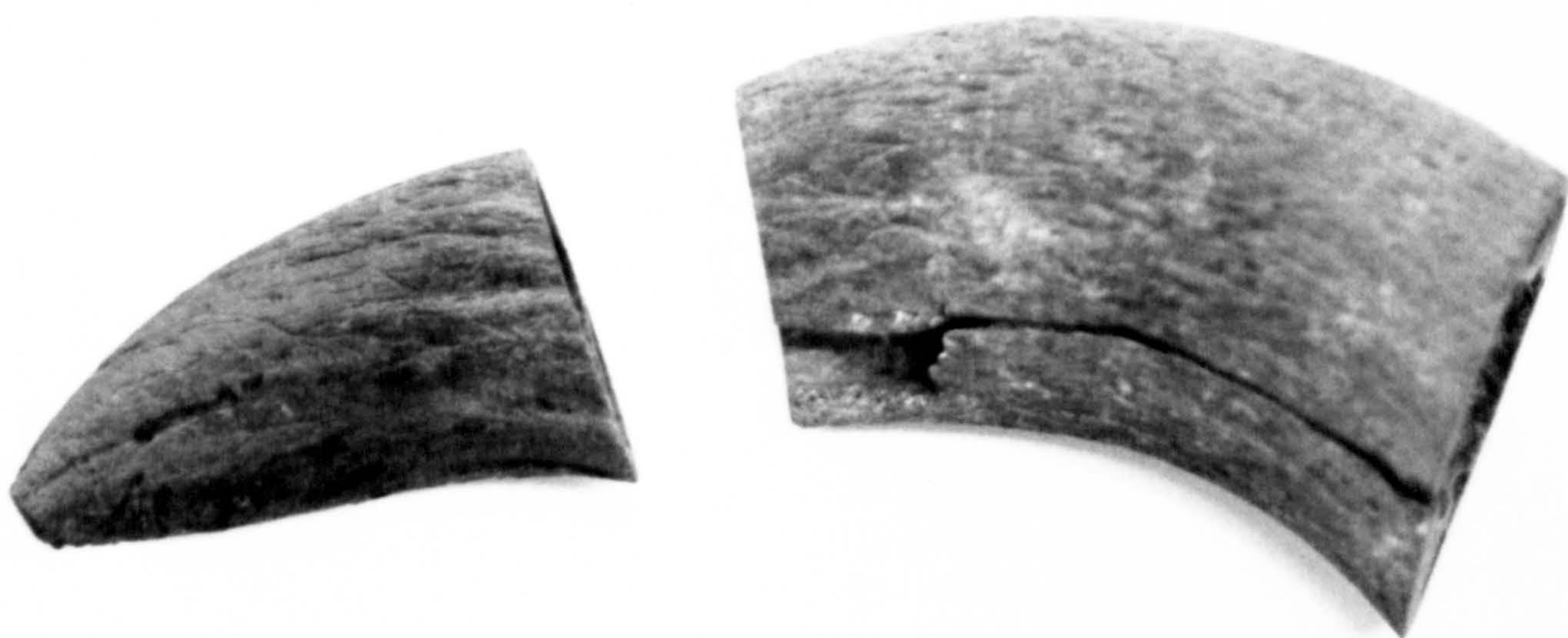


Fig. 2 Sawn horn-cores from the Perth High Street
Excavation. Photographed in: Perth Museum and Art
Gallery, George Street, Perth.



Fig. 3 Mallet-head made from an antler burr and antler working waste from excavations at Broad Street, Aberdeen. Courtesy of Aberdeen Art Gallery and Museum, School Hill, Aberdeen.

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Fig. 4 A fifteenth-century German skinner at work
Sources: pl. 63 Das Hausbuch der Mendelschen
Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et
al 1965. Copyright Bruckmann, München.

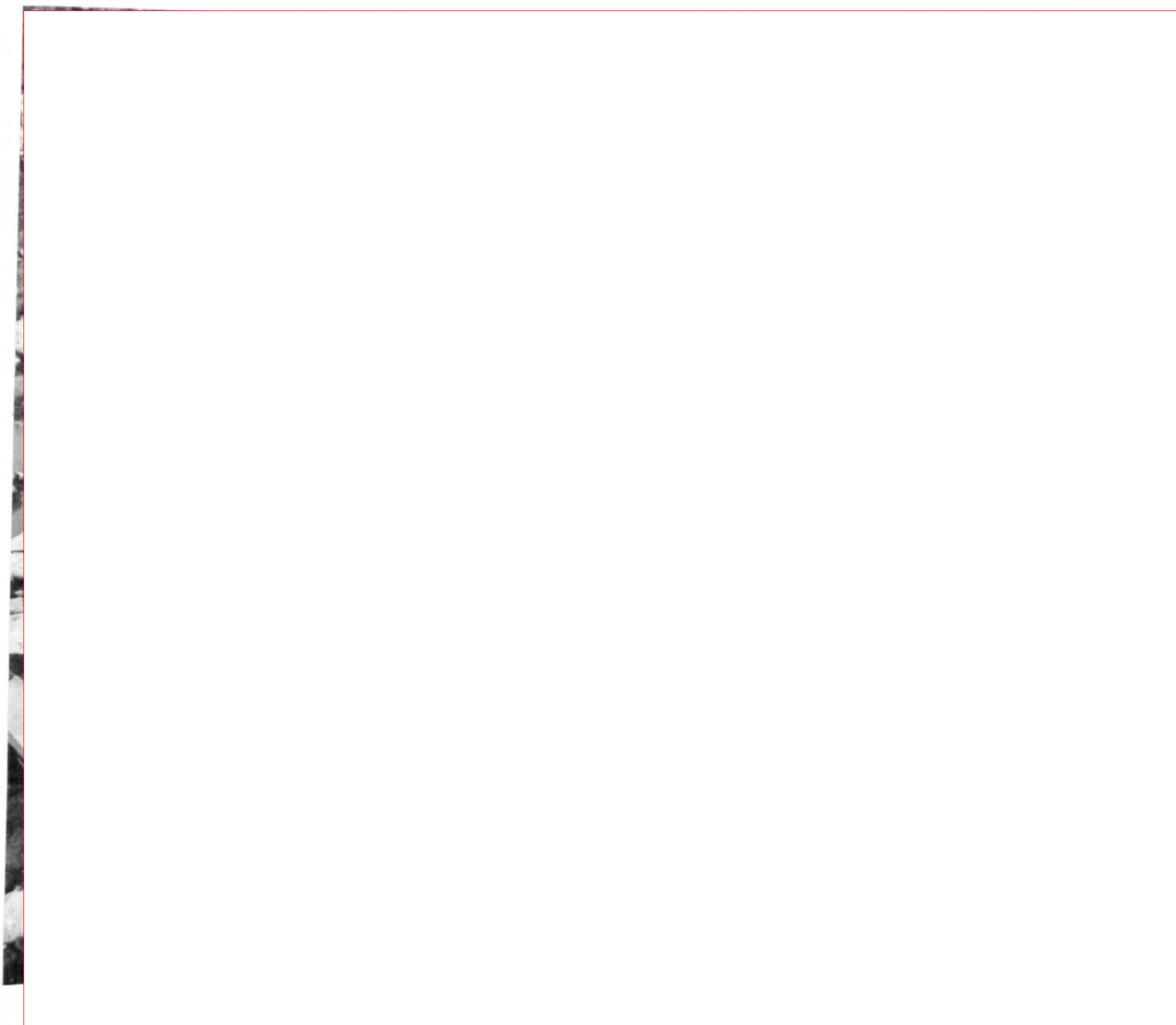


Fig. 5 A fourteenth-century tanner's yard with possible fire-pits in foreground, excavated in the Gallowgate, Aberdeen. Courtesy of Aberdeen Art Gallery and Museum, School Hill, Aberdeen.

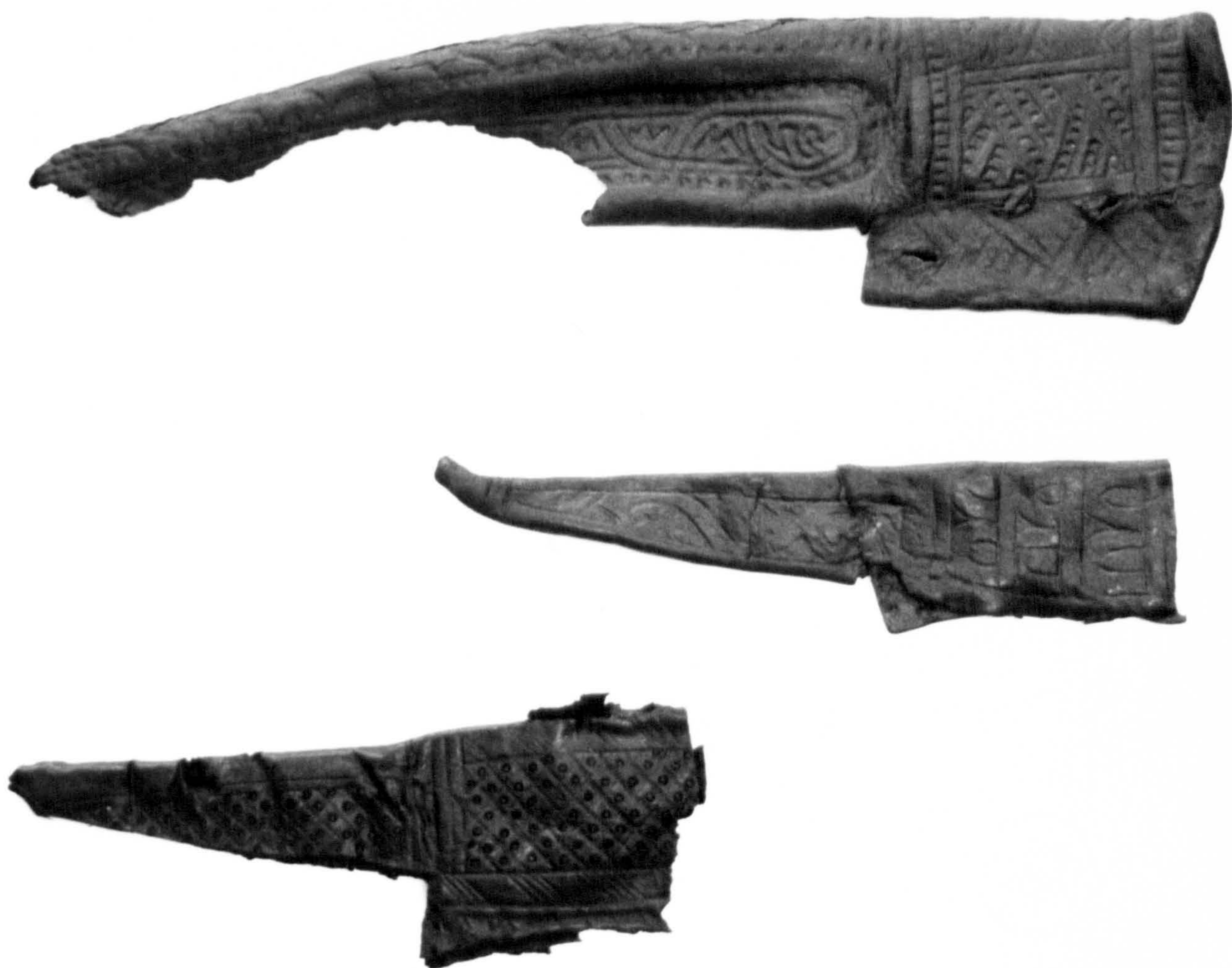


Fig. 6 Decorated fourteenth/fifteenth-century knife scabbards from the 1975 Perth High Street Excavation. Courtesy of Perth Museum and Art Gallery, George Street, Perth. [Cat. Nos. as follows: Top, A8334; middle, A8183/C2247; bottom, A8002/C2237].

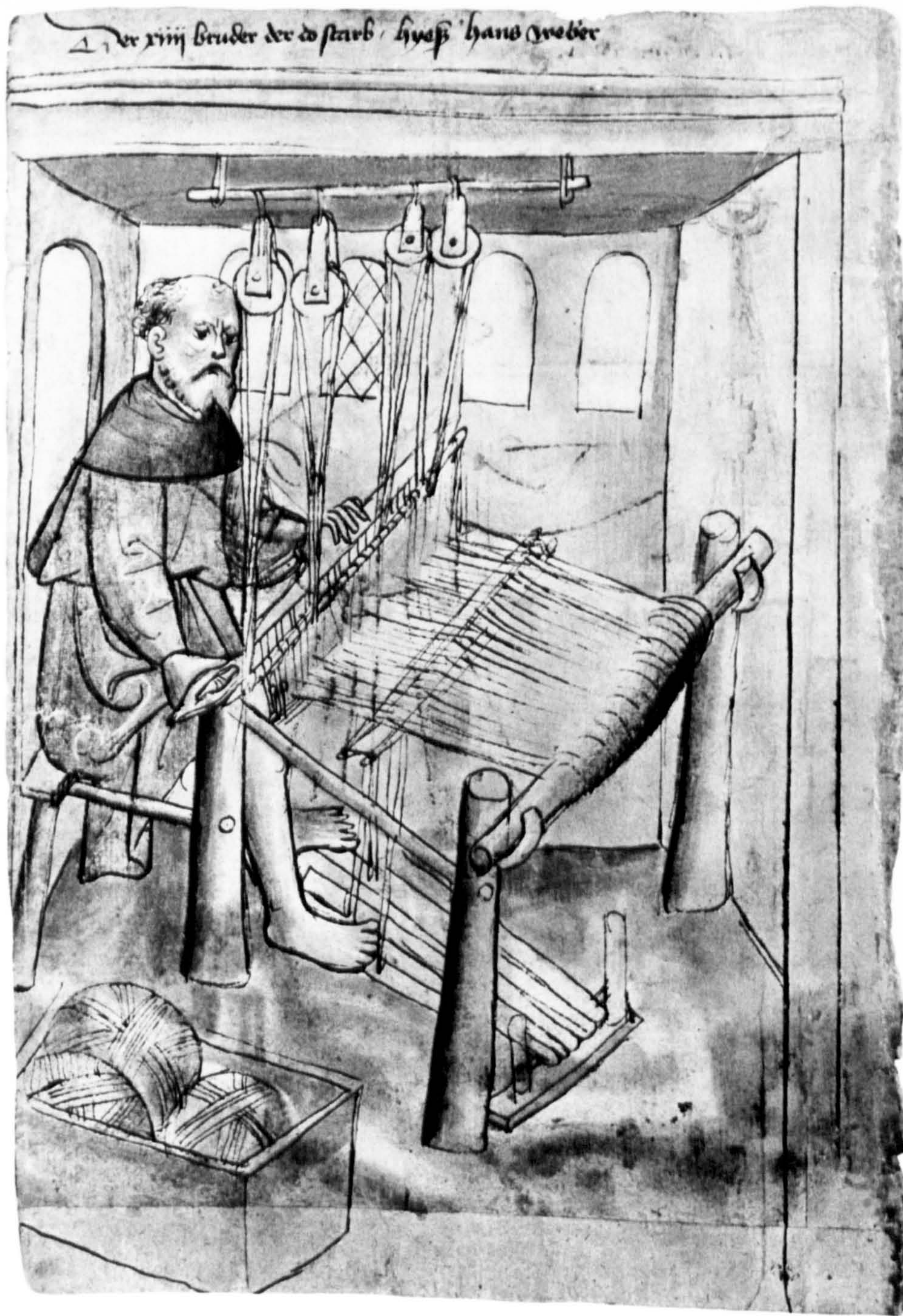


Fig. 7 A fifteenth-century German weaver at work.
Sources: pl. 9 Das Hausbuch der Mendelschen
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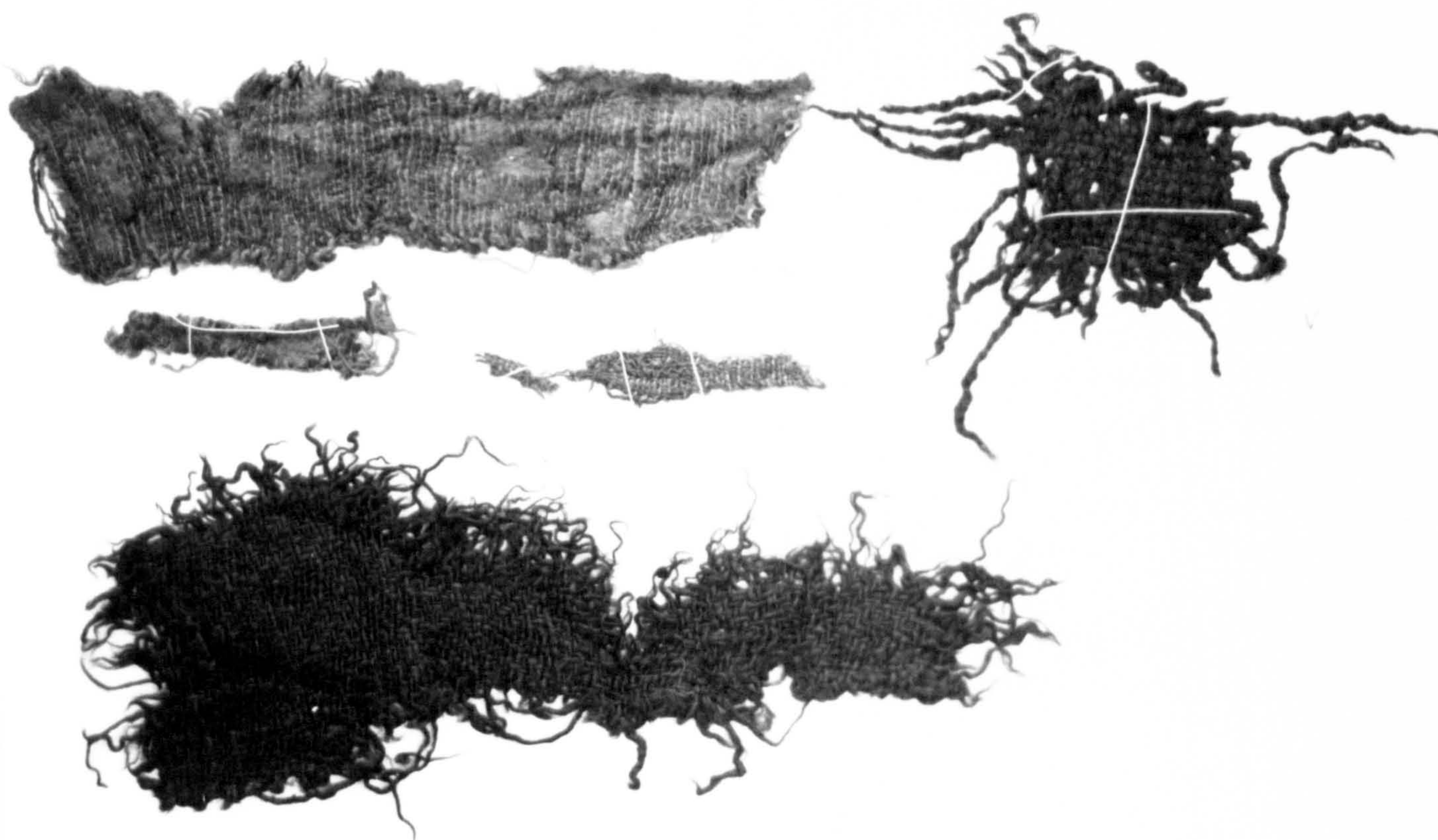


Fig. 8 Fragments of thirteenth/fourteenth-century
woollen cloth from the 1975 Perth High Street
Excavation. Photographed in: Perth Museum and Art
Gallery, George Street, Perth.
[Bottom:- a 2/2 Diamond Twill; top right:- 1/1 2
ply; top left & fragments:- 2/1 perhaps napped
Cat. Nos. 12340/C5097].



Fig. 9 A fifteenth-century German dyer at work.
Sources: pl. 68 Das Hausbuch der Mendelschen
Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et
al 1965. Copyright Bruckmann, München.



Fig. 10 A fifteenth-century German baker at work.
Sources: pl. 162 Das Hausbuch der Mendelschen
Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et
al 1965. Copyright Bruckmann, München.



Fig. 11 Fifteenth-century corn drying kiln, excavated at
Mill Street, Perth. Courtesy of the late N
McGavin; ex Scottish Urban Archaeology Unit.



Fig. 12 Fifteenth-century quern-stone base of oven,
excavated at Meal Vennel, Perth. Courtesy of L
Blanchard, ex Scottish Urban Archaeology Unit.



Fig. 13 Large fourteenth-century oven abutting building, excavated at Kirk Close, Perth. Courtesy of L Blanchard, ex Scottish Urban Archaeology Unit.



Fig. 14 A fifteenth-century German brewer at work.
Sources: pl. 38 Das Hausbuch der Mendelschen
Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et
al 1965. Copyright Bruckmann, München.



Fig. 15 A fifteenth-century German carpenter at work.
 Sources: pl. 105 Das Hausbuch der Mendelschen
 Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et
 al 1965. Copyright Bruckmann, München.



Fig. 16 Medieval woodworking tools from excavations in Perth. Photographed in: Perth Museum and Art Gallery, George Street, Perth. Smaller chisel, from Methven Street; Larger chisel, from Canal Street II; Spoon-bit from Kirk Close [Cat. Nos. 91, 92, 95].



Fig. 17 A fifteenth-century German cooper at work.
Sources: pl. 22 Das Hausbuch der Mendelschen
Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et
al 1965. Copyright Bruckmann, München.



Fig. 18 Coopered barrel, reused to line a medieval pit,
from the High Street, Elgin. Courtesy of W
Lindsay, ex Elgin Archaeological Heritage Trust.



Fig. 19 A fifteenth-century German blacksmith at work.
 Sources: pl. 81 Das Hausbuch der Mendelschen
 Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et
 al 1965. Copyright Bruckmann, München.



Fig. 20 Bloomery site at Aulich, N side of Loch Rannoch,
Perthshire. NGR NN 608 599

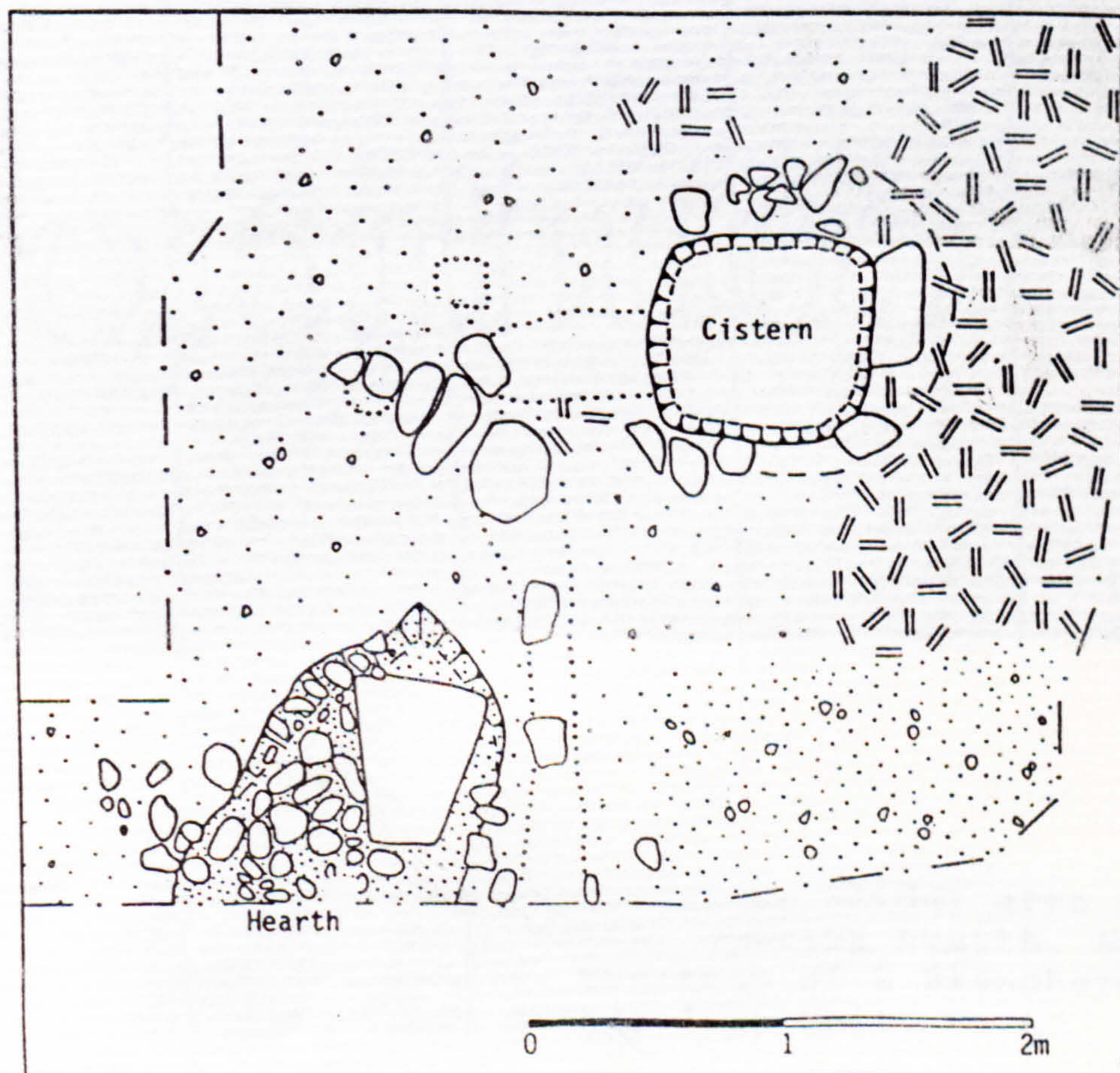
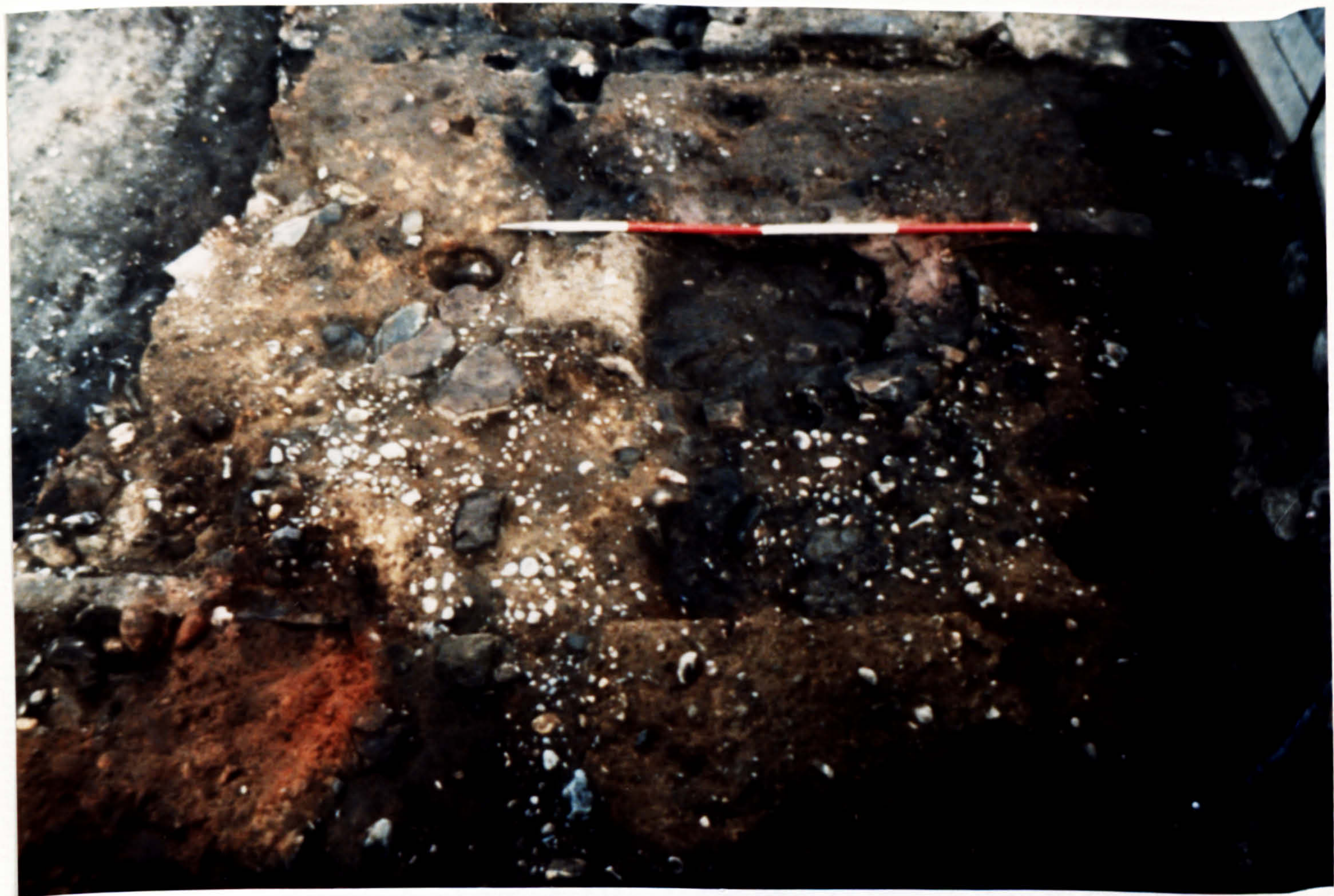


Fig. 21a Fifteenth-century smidding hearth and associated features, excavated at Castle Street, Inverness.

Fig. 21b Plan of the smiddy area excavated at Castle Street Inverness.
Courtesy of J Wordsworth, ex Scottish Urban Archaeology Unit.



Fig. 22 Fifteenth/sixteenth-century smiddy area excavated at Meal Vennel, Perth, showing hearth, socketed stone and debris. Courtesy of L Blanchard, ex Scottish Urban Archaeology Unit.



Fig. 23 A fifteenth-century German knife-maker at work.
 Sources: pl. 145 Das Hausbuch der Mendelschen
 Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et
 al 1965. Copyright Bruckmann, München.



Fig. 24 Possible sixteenth-century Jedburgh staff from Murthly Castle. Courtesy of David Caldwell, National Museums of Scotland.

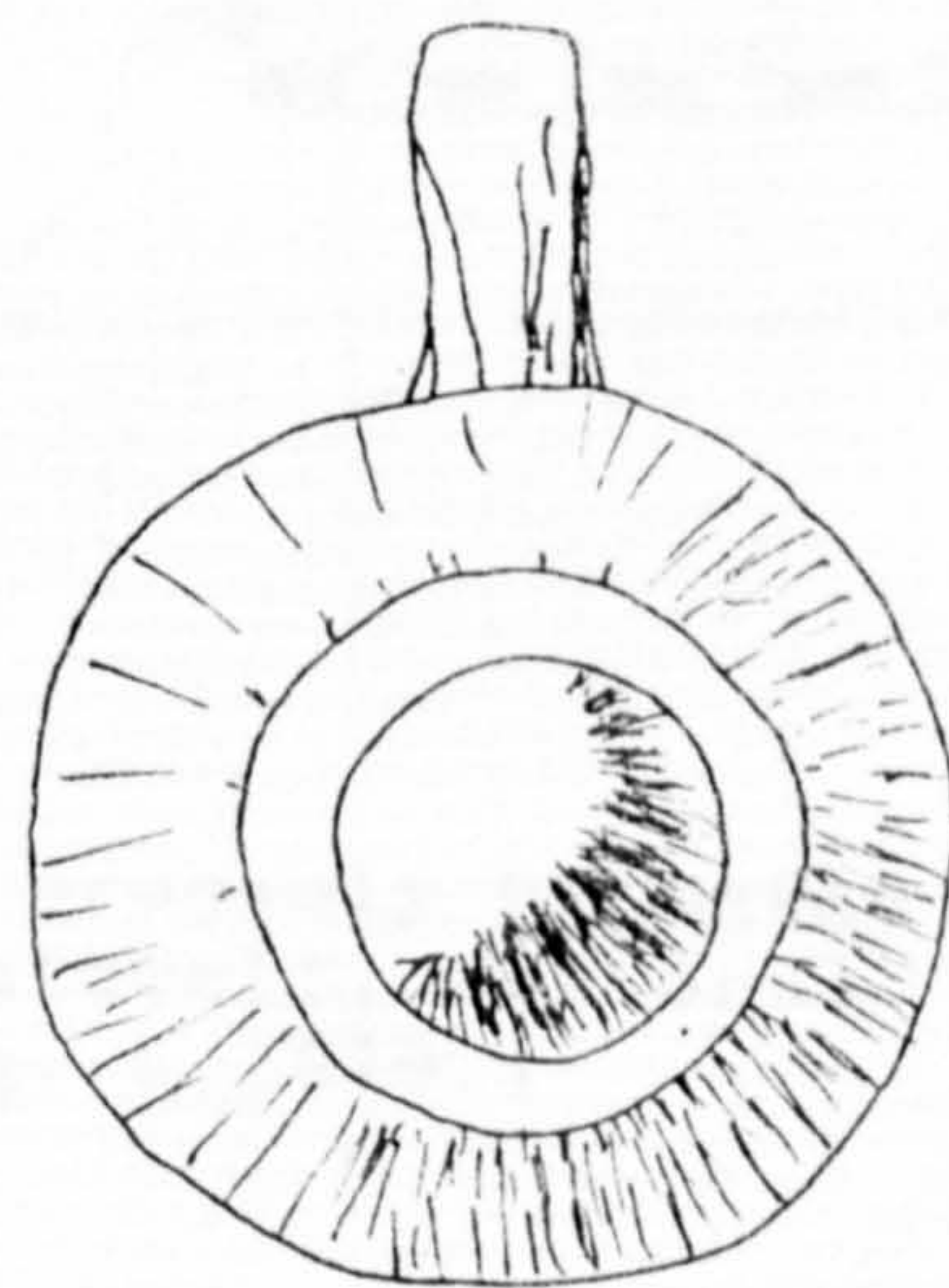
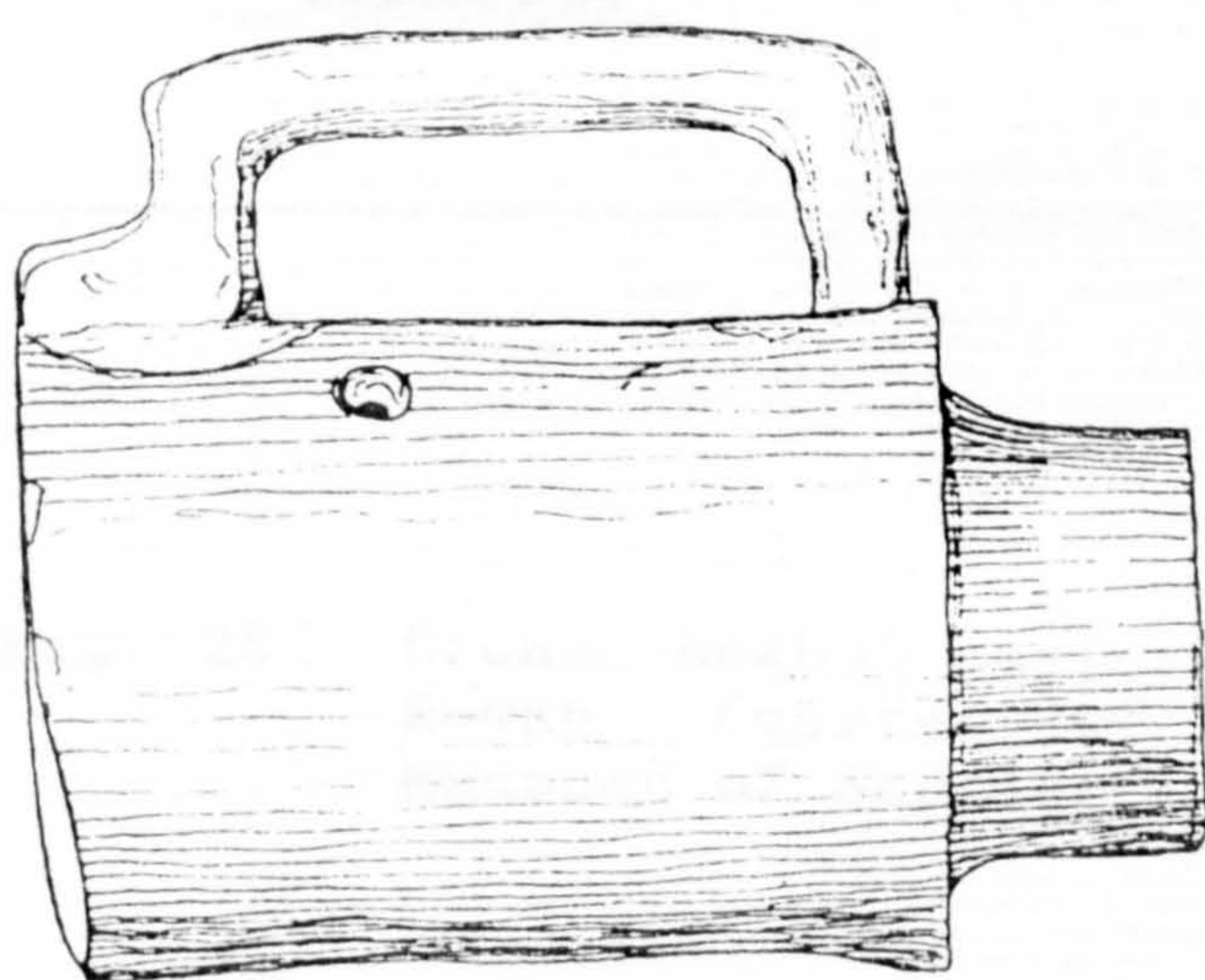


Fig. 25 Fifteenth-century wrought iron breech chamber from Fife. Length 320mm Courtesy of David Caldwell, National Museums of Scotland. NMS Reg. LH 236

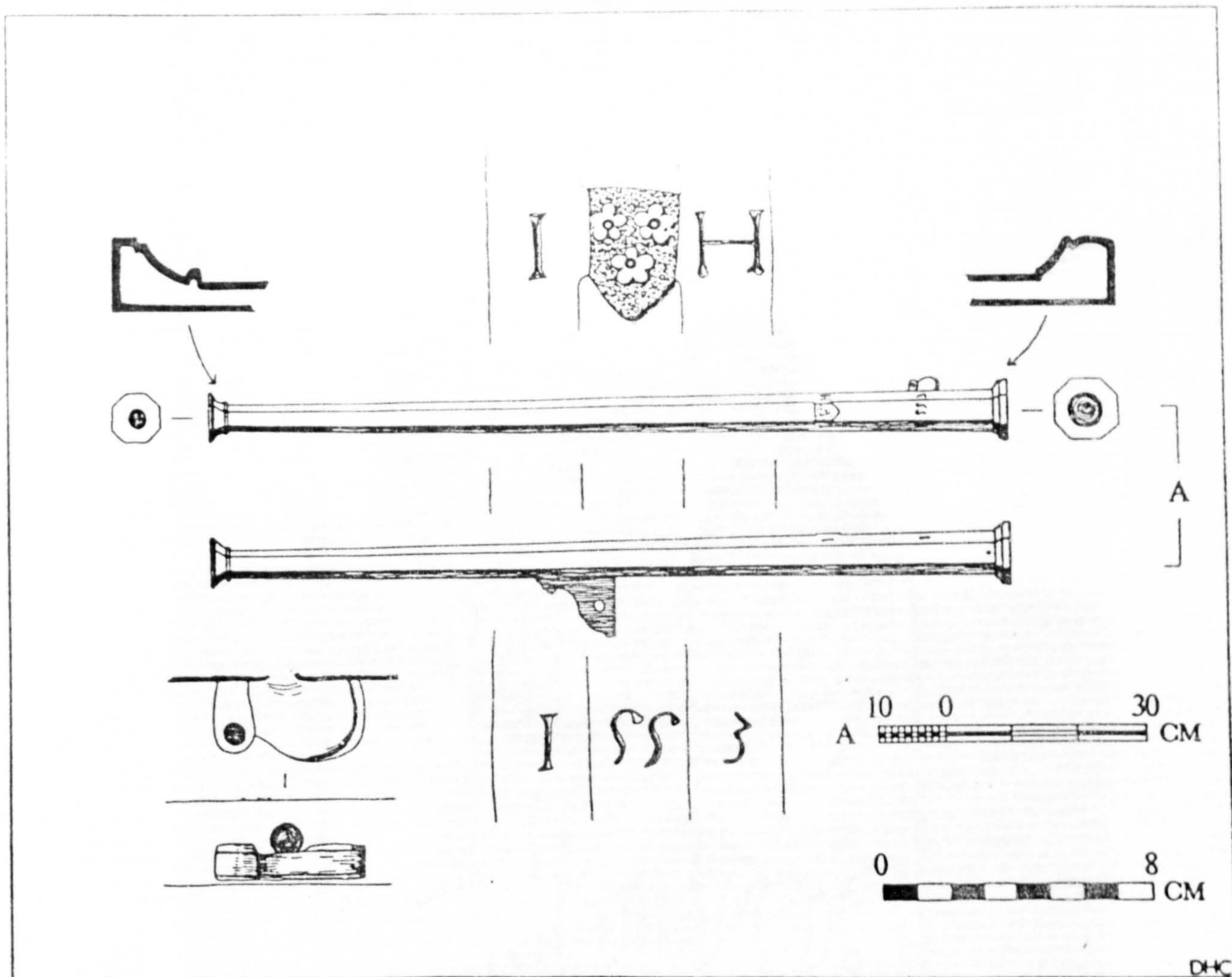


Fig. 26 Bronze hagbut cast in 1553, probably by David Rowan. Courtesy of David Caldwell, National Museums of Scotland. NMS Reg. L.1979.1

Anno 1500 xxv Storb am samstag vor fignacht
Storb Storb Straßelstom der Goldsmid der en
genanter was der I vi



Fig. 27 A fifteenth-century German goldsmith at work.
Sources: pl. 88 Das Hausbuch der Mendelschen
Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et
al 1965. Copyright Bruckmann, München.

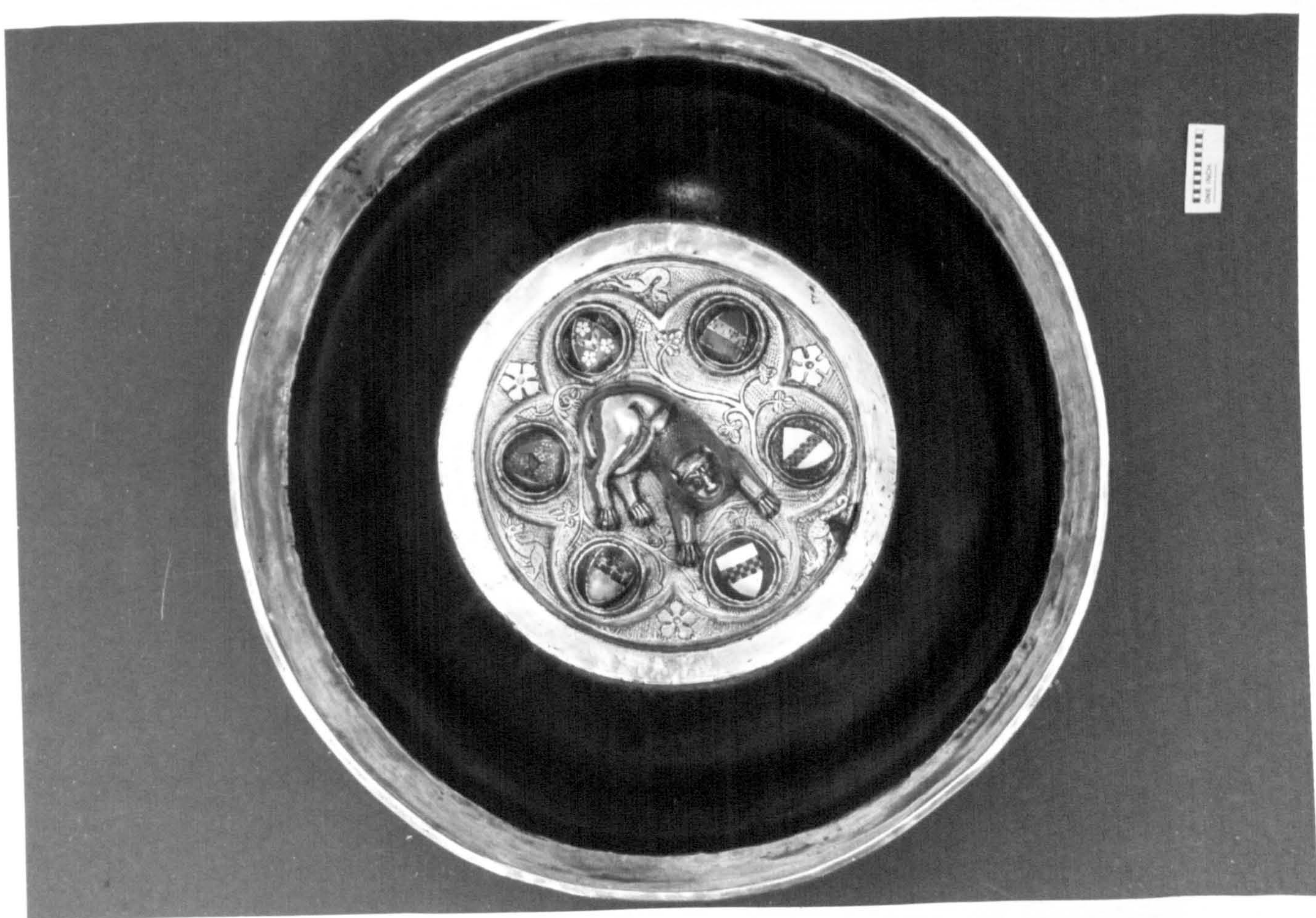


Fig. 28a Central print of the Bannatyne or Bute Mazer, made between 1314 and 1318.

Fig. 28b Silver lip band of the Bannatyne or Bute Mazer, made in the sixteenth century.
National Museums of Scotland, Reg. L.1979.11.



Fig. 29 The Galloway Mazer, made by James Gray of the
Canongate, c1569. National Museums of Scotland,
Reg. MEQ 148.



Fig. 30 The Ballochyle Brooch, made in Scotland c1550
National Museums of Scotland, Reg. L.1936.7a.



Fig. 32 Early workings, with possible fire-setting, at the Tonderghei copper mine NW of Burrow Head, Wigtownshire NGR NX 439 348.



Fig. 33 A fifteenth-century German coppersmith at work.
Sources: pl. 33 Das Hausbuch der Mendelschen
Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et
al 1965. Copyright Bruckmann, München.



Fig. 34 The twelfth-century St Fillan's Bell, National
Museums of Scotland, Reg. KA 2.



Fig. 35 Composite mould for the casting of copper-alloy pins, from the High Street, Elgin. Courtesy of Bill Lindsay, ex Elgin Archaeological Heritage Trust.

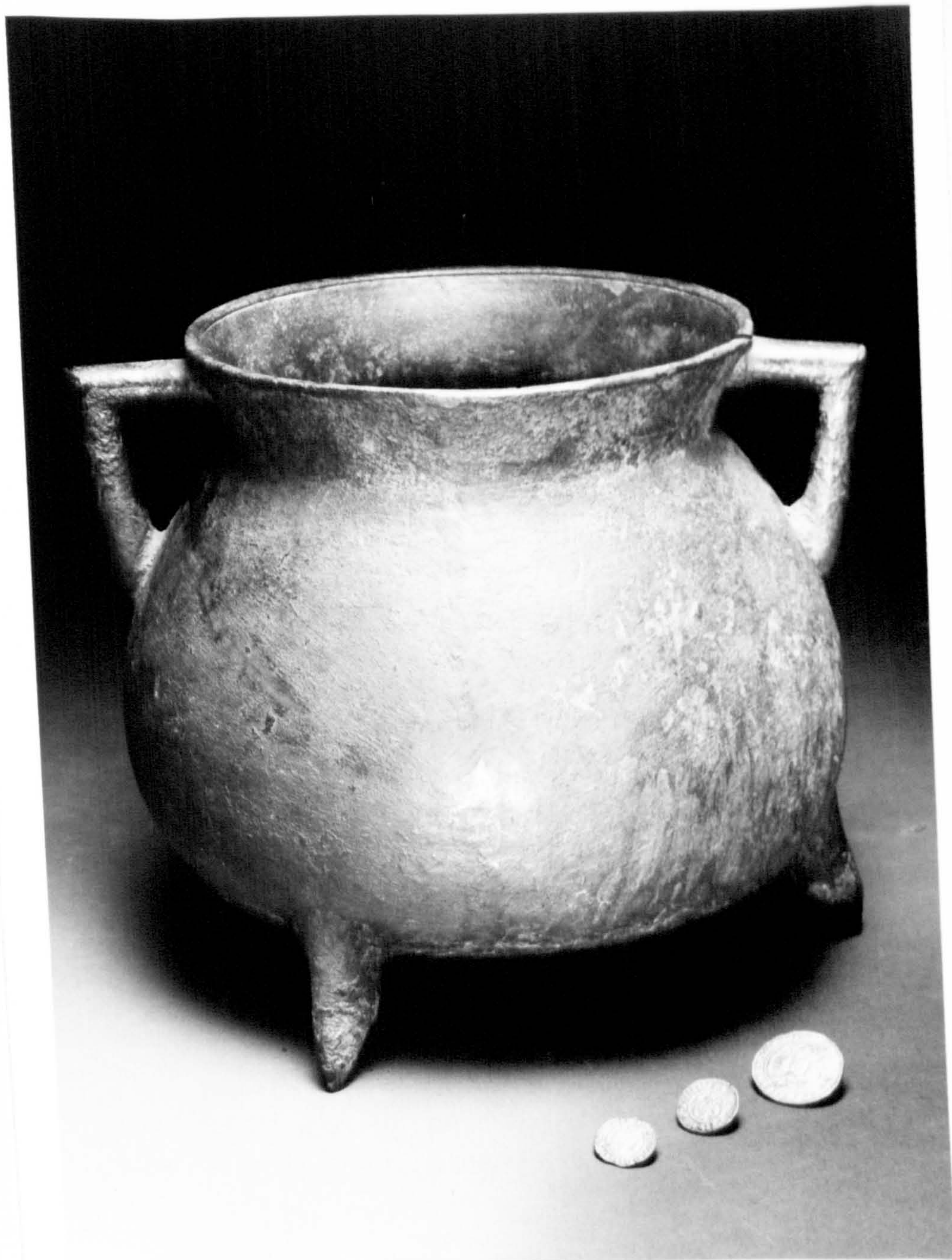


Fig. 36 Copper-alloy cauldron from Montraivie, Fife,
found with coins of Edward I, II, III. National
Museums of Scotland, Reg. MA 39.

Der xiiii Bruder der do starb hieß Sebalt und zoh
 den Kandelgießern am Faden



Fig. 37 A fifteenth-century German pewterer at work.
 Sources: pl. 55 Das Hausbuch der Mendelschen
 Zwölfbrüderstiftung zu Nürnberg Edit. Treue, et
 al 1965. Copyright Bruckmann, München.



Fig. 38 A possible lead working hearth excavated at
Castle Street, Inverness (No date). Courtesy of
J Wordsworth, ex Scottish Urban Archaeology Unit.



Fig. 39 Modern salt pans at Pointe du Croisic, Guérande,
Loire Atlantique, France.

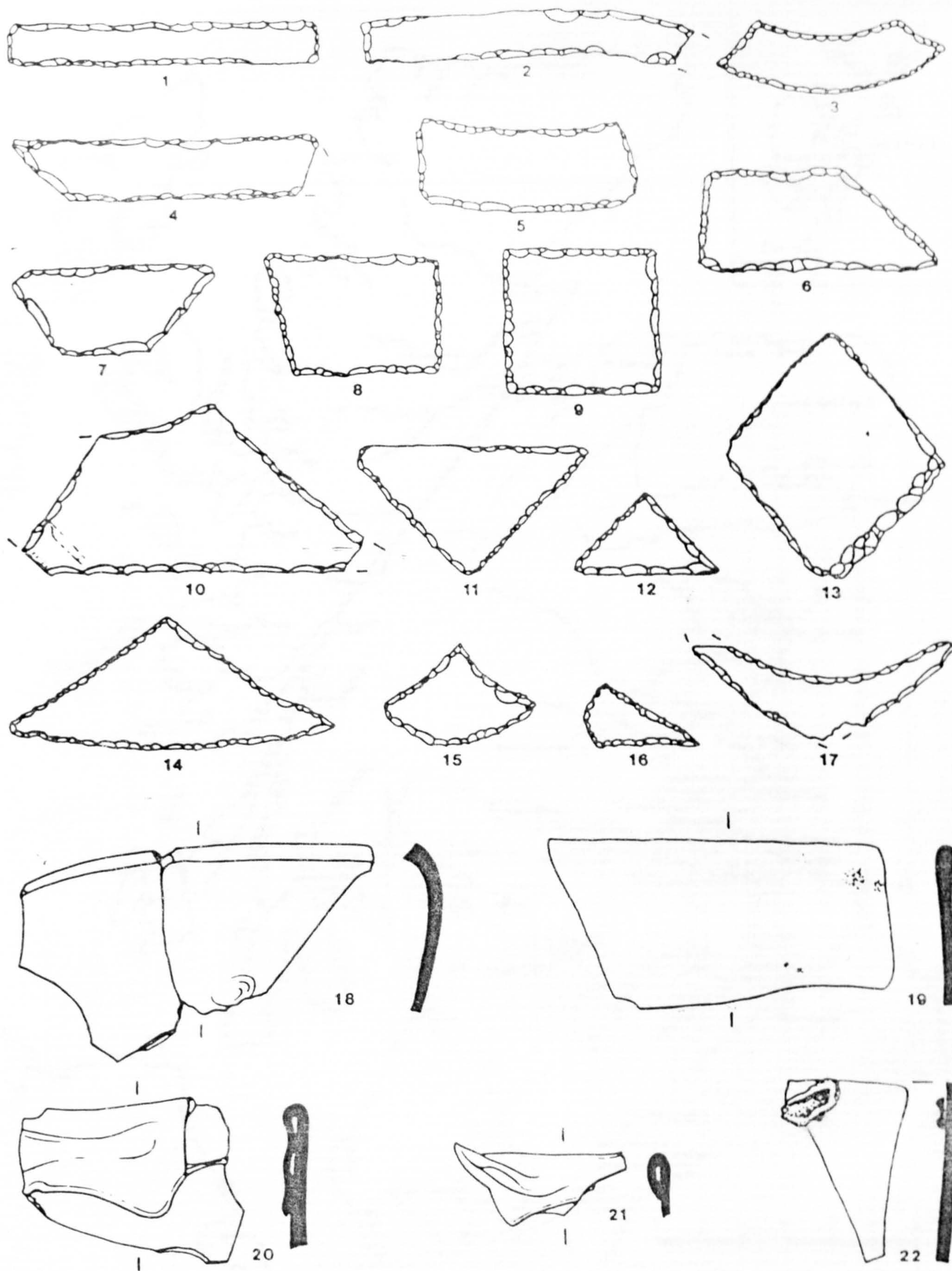


Fig. 40 Medieval window glass from excavations at Elgin, Nos. 1-17 glass quarrels, Nos. 18-22 fragments from the edges of glass sheets. Courtesy of Bill Lindsay, ex Elgin Archaeological Heritage Trust. Scale 1:1.

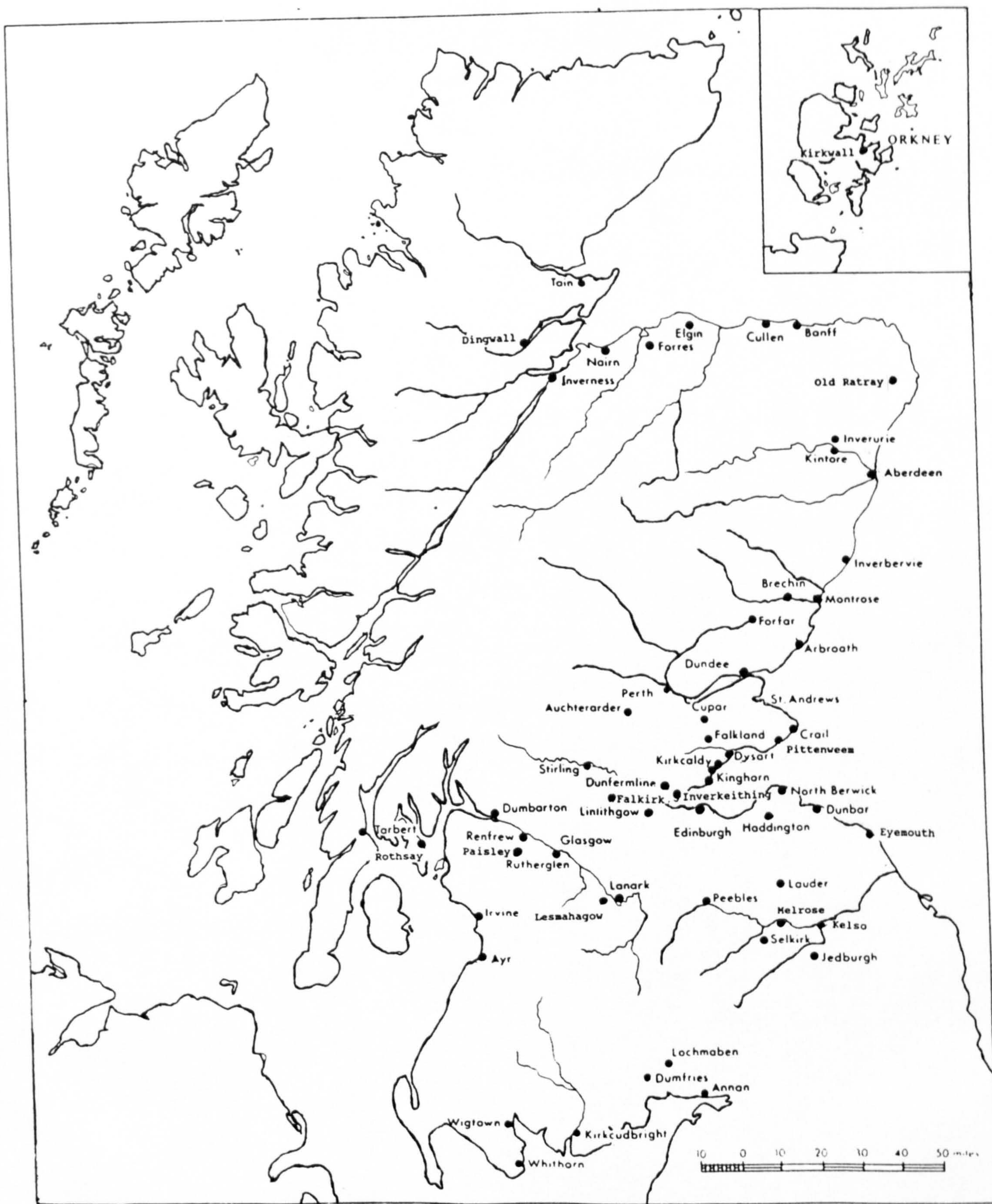


Fig. 41 Map of the principal medieval burghs and other towns mentioned in the text.