

THE LEATHER FROM SHEFFIELD CASTLE

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Methodology

This report is based on examination of the material undertaken at the Museums Sheffield stores on 13-15th June and 18-19th July 2017. A finds register giving an identification and location (Appendix 1; see separate Excel file), and a detailed catalogue of each item (Appendix 2), accompanies this report. Working drawings of selected items have also been made (Appendix 3). The leather was recorded box by box, each principal item being allocated a unique identifying number and separately bagged; smaller, less significant fragments were grouped under a single number where appropriate. The curatorial staff were consulted regarding the numbering and items individually separated and bagged by the museum previously were respected, being allocated their own unique identifying number, rather than being grouped under a single number (see 'unidentified item' below). Within this current project, there was no opportunity to identify any potential components from an item that may have been separated and housed in different boxes, however, the nature of the assemblage makes this unlikely to have been a very profitable exercise. It was possible, however, to re-unite several components from a single item housed in the same box.

All measurements are in millimetres (mm); + indicates an incomplete measurement. Any shoe sizing has been calculated according to the modern English Shoe-Size Scale from the measurement of the turnshoe soles and welted insoles, rounded up to the next size where necessary. No allowance for shrinkage has been made.

Leather species were identified by hair follicle pattern using a low-powered magnification. Where the grain surface of the leather was heavily worn identification was not always possible. The grain pattern of sheep and goat skins are difficult to distinguish and have been grouped together as sheep/goat when the distinction could not be made. Similarly, the term bovine has been used when uncertainty arose between mature cattle hide and immature calfskin. Shoe bottom components and repairs are assumed to be of cattle hide unless stated otherwise.

The terms used in the text and the stitching conventions used on the working drawings are those commonly employed in the archaeological leatherwork literature (e.g. Grew and de Neergaard 1988; Goubitz *et al.* 2001). Shoe is used as a general term for all types of footwear including boots and sandals.

Condition

All the leather is dry and appears stable, except two items (**54, 56**) on which mould growth is visible. All the leather is now brittle, often puckered and distorted through shrinkage, some items are folded, and cannot be opened out or flattened. No records now exist of any conservation treatments given to the leather but the material falls into two groups: treated leather, and that likely to have air-dried without undergoing any treatment. The majority of the leather is black in colour, often with a shiny surface so that, in some cases, the grain pattern is obscured and stitching details indistinct. Many items are sticky to the touch, so that on occasion individual pieces that had been stored stacked one above the other had to be gently prised apart. On a small number of items (**115, 117, 123, 125**) an opaque brown wax-like substance is visible (see 'unidentified item' below). A smaller amount of material is notably lighter in colour (brown), dusty and often with soil on the surface; this is likely to have simply air-dried.

One might imagine that the suggested air-dried material came from the Armstrong excavations in 1927-9 and the treated material from the Butcher excavations from 1958 onwards. The sticky condition of the treated material suggests that any treatment had been undertaken well before 1995 when the bulk of the accessioning took place. Comparison with the museum accession numbers, box location, and condition does not support this, however. Two explanations are likely. Firstly, that while some of the leather from the Armstrong excavations had air-dried over time in storage, some remained wet or damp and that these were treated along with the Butcher excavated material. Alternatively, the material from both excavations had become mixed during earlier storage prior to their being accessioned directly following the Butcher excavations, and later in 1995. In the 2014 post-excavation assessment of the Sheffield Castle archives by Ed Dennison Archaeological Services it was thought that the leather from the Armstrong excavations comprised nine bags (**132-140**) with two potential further additions, stored in Box BS812, the rest coming from the Butcher excavations. The limited matching of the material with Armstrong's illustrations of the leather from his excavations (Armstrong 1930, fig. 9) that has been possible, however, makes it clear that this is not the case and that the two archives now appear to be mixed.

Quantification and range of the material

One hundred and forty-six individual records were generated when the leather was recorded, representing 200 pieces of leather. The majority (75%), by far, are shoe parts, with a small number of other items and waste leather also present. Amongst the other items are sixteen fragments (**112-126**) potentially from an unidentified item or items*, discussed under 'black jacks' below. An approximate quantification of the individual items that comprise these records

is given below in table 1 (pieces obviously broken from a single item being given the count of 1, but see methodology above for the unidentified fragments*).

Object Type	Quantity
Turnshoe part	129
Sandal part	2
Welted shoe part	19
Strap	2
Garment?	1
Unidentified, fragment	16*
Waste, primary	2
Waste, secondary	3
Waste, tertiary	15
Waste/scrap	6
Scrap	5
	200

Table 1: Sheffield Castle leather objects found

The shoes

Nearly 65% of the shoe parts examined come from shoes of turnshoe construction, diagnostic features suggesting a fifteenth-century date for the majority, only a very small number of turnshoe parts date to the sixteenth century. A further 10% came from shoes of welted construction, those with diagnostic features present all suggesting a seventeenth-century date.

It is always difficult to be certain how many individual shoes are represented by the shoe parts recovered once they have become separated from their other components or are fragmentary, and, while separated components were re-united wherever possible (see methodology above), it was necessary for the total number of shoes represented by the parts examined to be estimated. At least thirty turnshoe soles are complete or almost complete and consideration of the additional broken soles suggests that, in all, at least forty turnshoes are represented. No more than five shoes of welted construction are represented and a single fifteenth-century sandal.

Construction	Shoe parts	Quantity
Turnshoe	Soles & fragments	48
	Repairs (clumps)	13
	Rands	20
	Vamps	9
	Quarters, one-piece	3
	Quarters, two-part	2
	One-piece uppers	2
	Other upper parts	4
	Broken upper fragments	21
	Heel stiffeners	4
	Tongue/linings	3
		129

Table 2: Sheffield Castle leather turnshoe parts

Construction	Shoe parts	Quantity
Welted	Sole fragments	2
	Midsoles	2
	Insoles & fragments	5
	Welts	1
	Heel lifts	2
	Repair (pegged)	2
	Vamp fragment	1
	Quarters, 2-part	3
	Heel stiffener	1
		19

Table 3: Sheffield Castle leather welted shoe parts

The late medieval footwear

The late medieval shoes were of randed turnshoe construction. The soles had pointed toes and narrow waists. Some of the toes were short points but others were long and curved slightly

outward, seven soles (**10, 42, 49, 52, 60, 141, 142**) had long toes extending beyond the foot for between 20-40mm. One long toe (**10**) had been torn from its sole and discarded. Long, pointed toes were fashionable during the 1460's and a sumptuary law was passed in 1463-4 in the reign of Edward IV to restrict the wearing of the 'pike or poulaine', as they were known, to two inches, as it had been in a previous sumptuary law of 1368 during the reign of Edward 111 (Swann 1975, 19-20). None of the toes from Sheffield Castle exceeded this limit. Many of the soles had narrow waists: of the 36 late medieval shoe soles with complete waists 30% were less than 26 mm wide, the narrowest measuring between just 16-20mm in width (**108, 141, 135, 137, 51, 146**). The pointed toes and distinctly narrow and long waists suggest a late fourteenth- or fifteenth-century date.

Many of the shoe soles had been heavily worn: thirteen had holes worn through the soles at the tread or seat; eighteen had repair stitching present from the attachment of repair patches. Discarded repair patches, known as clumps, were also found, some of which had also been completely worn through before they were eventually thrown away. One turnshoe sole (**138**) had been made in two pieces, either as an economy measure, as small pieces of leather could be used, or a major repair. No complete shoes were present. While seventeen turnshoe soles and eight repair patches (clumps) were complete only four of the shoe upper parts were complete, the remainder were broken and often highly fragmentary. The high proportion of heavily worn soles and repairs was notable and several soles and upper parts had secondary cutting (e.g. **17, 21, 24, 28, 145**) where areas had been deliberately removed, including three shoe upper parts that had clearly been cut off when their shoe soles had been removed (**43, 82, 84**). These features indicate that this group of late medieval shoes was not the result of domestic rubbish disposal but cobbling waste. Indeed, two turnshoe soles (**2, 6**) and a piece cut from a third (**86**) appear to have been used as temporary cutting platforms, suggesting they had been present on a cobbler's work bench. Cobblers repaired shoes and bought old shoes for refurbishment and resale, recycling any reusable leather wherever possible.

STYLES RECOGNISED

While no complete shoes were present, several shoe styles could be recognised from the surviving parts including shoes fastening at the centre of the instep with a lace or a buckle, side-lacing boots, a boot with no fastening and a sandal. Simple reconstructions of these shoe styles are shown in figure 1. Two shoes comprised soles and vamps, now attached with fine gauged wire (**141**) or thread (**142**) in order to make a more interesting museum display (see photo 1). The vamp of one (**141**), however, comes from a larger shoe and clearly does not belong to the sole to which it has been attached for display.

There is evidence for shoes or high shoes, what we would term ankle boots today, with the uppers made principally from a single piece of leather that wrapped around the foot and joining with a single seam. A dog-leg side seam (**140**, figure 1.1), upper fragments (**23**, **83**) and an upper insert piece (**41**) being examples, all were of bovine leathers, some being calfskin. The front areas of broken uppers with no seams surviving may well come from others. Some of these upper fragments and vamps with front openings have stitching for a separate tongue (**15**, **95**), and a tongue of calfskin with a large fastening hole was one of the components of shoe **83** (figure 1.2). These come from high-throated, front-fastening shoes that were either laced, or fastened with a tied toggle or a small metal buckle and strap, across the instep. A well-preserved calfskin vamp (**141**) certainly fastened at the instep with a small metal buckle and strap (figure 1.3), as the angular tab of the split strap to secure the buckle, and a loop strap keeper, still survive. The loop strap keeper being a characteristic of high, closed shoes with buckle fastening of fifteenth-century date. At least one fragment from a lower throated front-lacing shoe was also found (**27**; figure 1.4).

Evidence for other low-throated shoes, also known as 'open shoes', with separate vamps and quarters was limited, but the left side broken from quarters (**84**) that had been cut away from the shoe sole, was of distinctive shape, with stitching to attach a strengthening cord to the interior, characteristic of low, front-fastening shoes (figure 1.5) in the late medieval period.

At least two side-lacing shoes are represented, one (**54**) of sheep/goatskin was of uncertain height having only two lace holes surviving, the other (**82**), of calfskin, came from a boot (figure 1.6). The side panel from the boot (**82**) survived to a height of 160mm, though it had been cut from the shoe sole at its lower edge and the top had also been removed, so that it had originally been of significantly greater height. The boot fastened up the side of the leg through a series of small lace holes, nine of which now remain. Such tall side-lacing boots were popular in the City of London during the early fifteenth century (Grew and de Neergaard 1988, 43, figs 69 and 70). The side-lacing boot (**82**) had a vamp and two quarters, the two quarters being a feature of construction introduced at the beginning of the fifteenth century (Grew and de Neergaard 1988, 43). Other boot quarters of this construction were also noted (**21**, **24** and heel stiffener **29**).

Another boot (**20**), of calfskin, represents a differing boot construction comprised a vamp and a separate leg piece that wrapped around the leg, being seamed to the vamp throat and at centre back (figure 1.7). Two vamps (**19**, **142**), of bovine leathers, were distinctive having a raised rib running vertically from the throat down toward the toe, stitched on the interior (flesh side) to maintain its shape. This decorative feature occurs occasionally on boots and shoes of

fifteenth-century date throughout England, seeming to have been rather popular in Coventry (Mould 2017, 65, 78 and 80, no. 24, fig. 5, 16). While one (**19**) was the vamp from a boot (figure 1.8), the other (**142**) had the throat area cut away so whether from a shoe or boot is unknown.

A single layer from a leather sandal/patten (**52**) for the left foot and a piece from its ankle strap (**53**), of cattle hide, were found. The seat has been cut from the sole layer (**52**) so that its original, equivalent shoe size is unknown. Sandals with soles made with multiple layers of leather (figure 1.9) became popular in the City of London at the beginning of the fifteenth century (Grew and de Neergaard 1988, 101). Goubitz *et al.* (2001, 267-70) have suggested that sandals with multi-layered leather soles may have been worn by members of religious orders. This example (**52, 53**), with its long, pointed toe extending some 35mm beyond the foot is of a highly fashionable style. While one might consider such an exhibition of prestige and fashionable footwear more suited to a layman than a member of a religious order, a fifteenth-century sandal with a long, pointed toe has been found from Edam, in the Netherlands (Goubitz *et al.* 2001, 269, fig. 3), so perhaps this should not be discounted. Alternatively, as it lacks any other sole components, this single layer (**52**) may be the tread sole from a cork-soled patten worn over hose, highly fashionable examples of which with very long toes and decorated insoles and toe straps have been found on the continent (Goubitz *et al.* 2001, 264-66). The stitching of the seam, however, suggests it to come from a sandal.

Early post-medieval footwear

A smaller proportion of shoe parts were recovered that can be dated to the sixteenth and the seventeenth centuries. These include late fifteenth-/early sixteenth-century shoe parts of turnshoe construction with distinctive shapes fashionable at that time, and sixteenth- and seventeenth-century welted shoe parts. No obviously later material was present. This early post-medieval footwear had also been cut up to salvage re-usable leather before being discarded, most notably the sixteenth-century clump repair piece from which a small repair patch had been cut (**87**), the seventeenth-century shoe bottom and lasting margin cut from the quarters (**98**) and the left quarters (**129**) from a second seventeenth-century shoe similarly cut off from its lasting margin when being removed from the shoe bottom.

Sixteenth-century shoes

Some turnshoe soles differed in having oval or round toes (**39, 58, 62, 63, 64, 65, 66, 73**) suggesting a date at the end of the fifteenth or the first part of the sixteenth century. One turnshoe sole (**61**) had a wide, almost straight-ended toe, while a clump repair and a vamp (**87**) had very broad, round toes, both styles fashionable in the first half of the sixteenth century

(Swann 1975:22). The larger, more shapeless clump repairs recovered (e.g. **102, 103**) may also fall into this date range. The clump repair (**87**) had been cut and an area removed to make a smaller patch indicating it had come from a cobbler's workshop.

Nineteen shoe parts came from shoes of welted construction (table 3). A small number lacked any diagnostic features that might date them further, these include fragments of heel stiffener (**109**), sole (**101**), insole (**110**), and repair pieces attached with wooden pegs (**14, 128**). These may be of the sixteenth or seventeenth century (see below).

Seventeenth-century shoes

Most of the welted shoe parts clearly date to the seventeenth century (**35, 90, 91, 92, 93, 98, 99, 100, 129**). The welted shoe bottoms (soles, midsoles and insoles) are made straight, that is made for neither a left or a right foot, though the wear pattern may indicate on which foot it had primarily been worn. The toes are square, while the tread, waist and seat are relatively wide compared with the medieval shoe soles. At least two (**98, 99**), however, are notably narrow and may have been worn by women or adolescents. The shoe uppers comprised vamps and two quarters seamed at centre back. All the upper parts were incomplete, no fastenings or indication of shoe style survived. Two examples of shoe uppers with the upper leather flesh outward, what we would term suede today, were noted (**98, 129**); a popular feature of seventeenth-century footwear. The shoes had separate heels. No complete heels were found but individual lifts from stacked leather heels were present (**91, 92**), one (**92**) had the central area cut out to lighten the weight indicating it came from a large, high, stacked leather heel from a man's shoe or boot. A broken sole (**100**) moulded to continue down the breast of a separate heel was present, a feature seen on seventeenth-century footwear. A paper label, hand written in red crayon, found loose within Box BS818 records 'Shoe ? with wooden heel G23' but no trace of this item can be found now.

Straps

Two straps (**36, 80**) were present, both of bovine leathers, 3mm and 4mm thick respectively, and each cut from larger items, probably harness. One (**80**), approximately 58mm (2 1/4 inch) wide with tooled and creased edges (impressed lines made using a heated tool known as a crease or creaser) was of good quality.

Possible garment fragment

A piece of sheep/goatskin (**16**) with a decorative scalloped edge and a whip stitched seam running at right angles from it may be torn from the bottom edge of a garment or glove, perhaps a horse barding or a decorative leather covering used in the home.

Unidentified item

At least sixteen fragments of leather (**112-126**), all recovered from '5H (or SH) Moat at Exchange Street', share characteristics suggesting they have been broken from the same item (or items). They are of thin leather, 1-2mm thick, mostly of calfskin, with two appearing to be of sheep/goatskin (**121, 123**), all now being black, shiny, brittle and often curling and distorted. One (**112**) has a small area of whip stitched edge, others with grain/flesh stitching (**113, 115, 122**) present, but most have all edges broken, lack any features and so may be described as 'scrap'. One of the largest fragments (**113**) has five grain/flesh stitches from a seam surviving and two small groups of grain/flesh stitching, each group 10x10mm, spaced 20mm apart, marking where two narrow straps, perhaps a small loop handle, had been attached. An index card loose in Box BS812, in which these fragments were stored, states 'Parts of 2 black jacks Subsid. Moat from Exchange St'. No black-jackets are now present amongst the collection and no record of them can be found. Black-jacks, small drinking vessels of moulded and hardened leather (*cuir bouilli*), are made of cattle hide (Waterer 1950, 7-8, pls XIIa and XIVb) using distinctive waterproof seams. It is possible that these fragments were once thought to have been broken from black-jacks as the leather is black, shiny and brittle, some with an opaque, brown, wax-like deposit on one or both surfaces. This leather is thin, however, and any remnants of stitching inappropriate for such a vessel, while the condition of the leather is the result of previous conservation treatment. Many of the shoe parts are also black, shiny and slightly sticky; if the wax-like material had been mistaken for a waterproofing substance lining the interior of the vessel it would not be present on both surfaces. No diagnostic features remain on these fragments so that the item/s from which they have been broken cannot now be identified, one might speculate that the fragments may have been broken from the leg of a tall boot, but it is very unlikely to have been a black-jack or any other liquid container. It is possible that the term 'black jack' used on the label was a reference to a tall legged boot rather than a drinking vessel.

The waste leather

A small amount of waste leather was present (see table 1). Two pieces are primary waste cut from edges of cattle hide (**56, 107**), the rest being secondary waste produced when cutting out pattern pieces and trimming them to size during the manufacture, refurbishment and repair of leather goods. Most of the secondary waste are narrow trimmings (**45, 46, 55, 79, 94, 106, 130**), often referred to a tertiary waste, a group of seven trimmings (**94**) from G23 clearly being the result of trimming around shoe soles. One piece of secondary waste had been cut from an old shoe sole (**86**), two others may have been cut from shoe uppers (**89, 105**). It is likely

that the waste leather derives from cobbling activity, there is no evidence for the manufacture of shoes or other leather goods.

Provenance

One hundred and one of the 145 leather records generated, nearly 70% had no stratigraphic information directly associated with them, either as an attached label or written on the bag in which they were stored. Most of those that were accompanied by some context information occurred as one or two items from a given location and so provide little additional information to help independently date those contexts. It was notable, however, that a significant group of 24 records, 16%, came from '5H (or SH) Moat from Exchange Street'. This is likely to derive from the lowest fill of Ditch II, seen by Butcher when a retaining wall along Exchange Street was being removed. These comprised chiefly a small number of shoe parts (**95-97**, **102-5**, **108-111**) of both medieval and early post medieval date and the distinctive group of broken fragments (**112-126**) from an unidentified item described above, suggesting a rather mixed deposit.

G23, a foundation shaft within the western moat, contained a group of trimmings from around shoe soles (**94**), a piece of primary waste (**107**), and welted shoe parts of seventeenth-century date (**92**, **98-101**). E18, a foundation pit within the southern moat, contained a left quarter cut from a seventeenth-century shoe (**129**) and a wooden pegged shoe repair (**128**). The site documentation names other locations where leather finds were recorded, namely moat fills seen in the SH section below the chamber near the gatehouse structures, and in foundation pits G7 and F21, but these locations could not be correlated to individual leather items.

Some leather items were stored in boxes which had context information on separate hand-written labels loose in the box. For example, those within the box BS784 (**2-37**) had two labels in the box, one (hand written, blue ink on 6x4 index card,) 'leather various, chiefly shoe soles c15th-c17th. Site of Sheffield Castle. Presented: Markets Committee. C.R. sites', the other (hand written, purple crayon on scrap paper) 'M.H.3 (Tpt Canteen Yard) L1. In Black-w-timber C17/- assoc. bone (chopped) oyster shell, twigs + P.I.'. The two labels are not necessarily contradictory. Only one (**35**) item in the box could be dated with certainty to the seventeenth century. One of these items (**8**) was separately labelled 'A', another (**19**) was separately labelled 'A H5'. It is now very difficult to be confident of the location of recovery of individual leather items.

Armstrong included a photograph of nine leather items in his account of the excavations undertaken between 1927-9 (Armstrong 1930, fig. 9). In this, seven shoe soles, a clump repair

piece and a shoe vamp, are illustrated. When cataloguing the leather for this project four of these nine leather items could be recognised, two turnshoe soles (**40, 42**), a clump repair (**132**) and a shoe vamp (**142**).

The nature of the assemblage and comparable groups

It is clear from the proportions of different shoe parts recovered, the extent of wear and secondary cutting that the leather from the late medieval period, and the very much smaller groups from the sixteenth and the seventeenth centuries, all represent cobbling waste rather than domestic rubbish disposal. These groups are likely to represent dumped material resulting from clearances of a local cobbler's workshop or shops, where worn shoes were repaired and refurbished using leather recycled from old shoes and other items.

Similar assemblages have been found in comparable contexts elsewhere up and down the country suggesting that, not surprisingly, open ditches in urban settings were a common repository for the opportunistic dumping of workshop debris. Mostly closely comparable to the Sheffield Castle leather are the group of late medieval and smaller groups of sixteenth- and seventeenth-century shoes found in the city ditch at Coventry (Mould 2017) and the groups of the same dates from the defensive ditches at Carlisle (Mould 2011). Leather principally comprising cobbling waste has been found in ditches associated with Oxford Castle (motte ditch/moat eleventh- to thirteenth-century group; outer bailey ditch late fifteenth- to seventeenth-century group (Mould 2010); Barbican ditch thirteenth- to fifteenth-century group and castle moat sixteenth- to eighteenth-century century group (Jones 1976, 275-96)), the barbican ditch at Norwich Castle (seventeenth-century group (Mould 2009a)) and the King's Ditch at Cambridge (medieval and early post-medieval groups (Mould 2009b)).

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Appendix 1 Sheffield Castle Leather Finds Register

See separate Excel file

Appendix 2 The Leather from Sheffield Castle Detailed Catalogue

BOX BS784

J.1954.42. Separately bagged and labelled '30.6.1954 leather shoe-sole, c14th or c15th. Found in Mr. A.L. Armstrong's excavations in Sheffield Castle Moat. See Hunter Trans. Vol. 4. Loaned by Mr. J. B. Himsworth' (typed on cream 6x4 index card)

1 Turnshoe sole, left foot, adult size

Long, slightly outward turning, pointed toe (tip now missing), petal-shaped tread, narrow waist and medium seat. Worn away at the edge of the seat so that seam missing, elsewhere has no excessive wear. Edge/flesh seam stitch length 5mm. No sign of repair. Complete. Length 218+(seat seam at tip of toe missing), tread width 67mm, waist width 26mm, seat width 36mm. J.1954.42

Box BS784: items within box with card and paper labels on top

J.1958.18f 'leather various, chiefly shoe soles c15th-c17th. Site of Sheffield castle. Presented: Markets Committee. C.R. sites (hand written, blue ink on 6x4 index card.) 'M.H.3 (Tpt Canteen Yard) L1. In Black-w-timber C17/- assoc. bone (chopped) oyster shell, twigs + P.I. (hand written, purple crayon on scrap paper)

2 Turnshoe sole, left foot, adult size

Short pointed toe, petal-shaped tread, medium waist and relatively long, medium seat. Left (lateral) side broken away and missing, right side is complete. Edge/flesh seam stitch length 6-7mm. Worn, but no excessive wear. No sign of repair. A vertical cut runs down the waist continuing as a slight slash in two areas of the seat: suggests secondary use as a cutting platform). Complete. Length 270mm, tread width 88mm, waist width 36mm, seat width 47mm. J.1958.18f

Also **3 pieces of rand** that may belong with the sole: 84x8mm from the medial waist area, 135x5mm from lateral tread area, and 26x6mm small fragment. J.1958.18f

3 Turnshoe sole, left foot, probably adult size

Lateral side of the tread area with a short, pointed toe. The medial great toe area completely worn away, with an area of seam surviving below. Edge/flesh seam stitch length 7mm. Hole worn through tread. No obvious signs of repair. Incomplete. Surviving length 108+mm, surviving width upper tread 69+mm. J.1958.18f

4 Turnshoe sole, left foot, probably adult

Lower tread and upper waist area only, torn away above and below. Edge/flesh seam stitch length 6-7mm. No sign of repair. Incomplete. Surviving length c73+mm, tread width 69+mm, width upper waist 30mm. J.1958.18f

5 Turnshoe sole, left foot, adult size

Lower tread area, medium waist and upper seat present, toe and upper tread areas missing. Edge/flesh seam stitch length 5mm. No pronounced wear visible. No sign of repair. Incomplete. Surviving length 127+mm, lower tread width 75+mm, waist width 36mm, upper seat width 44+mm. J.1958.18f

6 Turnshoe sole, left foot, adult size

Petal-shaped tread and medium/narrow waist present, toe, upper tread and seat missing. Edge/flesh seam stitch length 6mm. No sign of repair. Eight small cuts present, some

penetrating through the leather, suggesting use as a temporary cutting platform. Incomplete. Surviving length 124+mm, tread width 76mm, waist width 33mm. J.1958.18f

7 Turnshoe sole, left foot, adult size

Lower tread and upper waist area only, a hole worn through tread all other edges torn away. Edge/flesh seam stitch length 6mm. Three heavily worn holes from tunnel stitching to attach a repair. Incomplete. Surviving length 63+mm, width max 80+mm, width min 52+mm. J.1958.18f

8 Turnshoe sole, right foot, adult size

Pointed, slightly outward curving toe, petal-shaped tread, medium waist and seat. Edge of seat worn away, hole worn through the little toe joint area of the tread. Now broken into two parts across the waist. Edge/flesh seam stitch length 5mm. Stitching for repair at tread and across waist for repair to seat. Complete. Length 213+mm (seat seam worn away), tread width 73mm, waist width 32mm, seat width 46mm. J.1958.18f. Label attached 'A c15th'

9 Turnshoe sole, right foot, adult size

Short pointed toe, petal-shaped tread, narrow waist, seat missing either broken or possibly cut away in a concave curve. Edge/flesh seam stitch length 5mm. The seam has been worn away at the great toe on the medial side. Two worn stitch holes at the waist from attaching a repair. Incomplete. Surviving length 171+mm, tread width 71mm, waist width 22mm. J.1958.18f

10 Turnshoe sole, right foot, adult size

Long, pointed, outward curving toe, with toe extension c. 40mm (measured from impression of big toe), torn from the rest of the sole, which is missing. No obvious repair. Incomplete. Surviving length 87+mm, max width 66+mm. J.1958.18f

11 Turnshoe sole, right foot, adult size

Lower tread, medium waist and upper seat area only. Upper and lower edges heavily worn and broken in one area of the upper edge. Edge/flesh seam stitch length 6-7mm. Worn stitching from repair patches to the tread and seat. Incomplete. Surviving length 108+mm, max width 61+mm, min width 36+mm, width of seat 41+mm. J.1958.18f

12 Sole forepart repair, left foot, large adult size

Clump (repair patch) with oval toe and obliquely slanting lower edge. Large hole worn in the tread area and worn tunnel stitching around the edge on the flesh side. Complete. Length 164mm, max width c. 100mm. J.1958.18f

13 Turnshoe sole, left foot, adult size

Sole forepart, with petal-shaped tread and medium waist only, toe area worn away and broken across the waist. Now broken into three pieces. Edge/flesh seam stitch length 7mm. Stitches indistinct and edges 'rounded' as though much rubbed or abraded. No obvious signs of repair. Incomplete. Surviving length 143+mm, tread width 75mm, waist width 34mm. J.1958.18f

14 Sole repair

Clump (repair patch), tapering sides with top and bottom edges broken. Pierced by a series of large oval holes from wooden pegs. Almost complete. Surviving length 60+mm, max width 72mm, min width c. 50mm. J.1958.18f

15 Shoe upper, vamp, left foot, adult size

Vamp with lasting margin worn off from the toe area and great toe joint area on the medial side, and the lateral side tread area, stitch length 6mm. Central vertical opening at the throat with whip stitching on the flesh side to attach a tongue. A small area of a butted edge/flesh seam survives at the medial side of the throat probably at the junction with the side seam.

Both side seams are broken away. Incomplete. Leather bovine c. 2mm thick. Max surviving length 142+mm. J.1958.18f

16 Decorative scalloped edge

Scalloped edge with 5 ½ scallops surviving, each 13mm wide and c. 10mm deep, and a whip stitched grain/flesh seam, stitch length 4mm, running from it at a right angle. Other edges broken. Incomplete. Leather sheep/goatskin less than 2mm thick. Surviving seam length c. 70mm (item is folded), width 84+mm. J.1958.18f

17 Shoe upper, heel stiffener, adult size

Large heel stiffener, lasting margin stitch length 6mm, whip stitching surviving at centre back, now crushed and deformed from wear. A small area of the left side and much of the right side top edge deliberately cut off when the shoe was being cut up. Paired tunnel stitching present above the lasting margin from a large clump sole repair. Worn flesh outward to the foot, grain side inward to the shoe. Incomplete. Leather worn bovine probably calfskin. Estimated height at centre back c. 60mm. J.1958.18f

18 Shoe upper fragment

Heavily worn upper fragment probably from the vamp area with worn edge/flesh seam, stitch length 5mm, along one side, other edges broken. Incomplete. Leather heavily worn, no grain pattern visible, presumed bovine 2-3mm thick. Surviving 115+x46+mm. J.1958.18f

19 Shoe upper, vamp, left foot, adult size

Vamp with short, pointed toe, worn at the little toe joint and broken at the centre of the throat area. A butted edge/flesh seam, stitch length 2mm, at each side appearing to have continued across the entire throat area originally. A central raised rib, formed by a pleat with whip stitching stitch length 4mm of the fold on the flesh side, runs vertically from the throat to the toe. Raised rib length c. 82mm, 5mm wide. Complete. Leather worn cattle hide at least 2mm thick. Length from toe to side seam c. 190mm. J.1958.18f, label attached 'A H5'

20 Shoe upper, vamp and leg extension, right foot, adult size

Vamp with short pointed/oval toe, lasting margin stitch length 6mm, worn/broken away on the lateral side at the little toe joint. Curving, butted edge/flesh seam stitch length 4mm running across the throat from one side to the other, now broken across the foot below the throat. The impression and 3 whip stitches present at the junction of the lasting margin and the continuous side/throat seam made by the end of a large heel stiffener (not that of 17 above). Complete. Leather bovine, calf 2-3mm thick. Length toe to centre of throat seam c. 138mm.

Leg extension, a rectangular 'throat piece' with a curving butted edge/flesh seam joining it to the throat seam of the vamp. Broken to each side of the central area with straight, butted edge/flesh side seams, stitch length 3mm, 126+mm high, and a plain cut top edge. Leather bovine calf c. 2mm thick. Height at centre front to top edge c.90mm, c. 255mm from one side seam to the other. J.1958.18f

21 Shoe upper, quarters leg extension

Quarters leg extension with a straight, vertical butted edge/flesh seam, stitch length 4mm, meeting a curving butted edge/flesh seam at a right-angled corner with a concave curving, butted seam opposite. A V-shaped edge appears to be a secondary cut. Almost complete. Leather calfskin 2mm thick. Surviving height 145+mm, width 140+mm. J.1958.18f

22 Shoe upper, quarter

One of two-part quarters with two vertical, butted edge/flesh seams, stitch length 3mm, one of the seams begins to curve. The top edge and the lasting margin are broken off. Incomplete. Leather cattle at least 3mm thick. Surviving height 91+mm, with 82mm. J.1958.18f

23 Shoe upper

Upper fragment in poor condition with small area of lasting margin stitch length 6mm present and a whip stitched edge/flesh top edge c. 140mm above, all other edges broken. Likely to come from an ankleshoe/boot. Incomplete. Leather worn, presumed bovine c.2.5mm thick. Surviving height c. 140mm, width 115+mm. Also a small piece of lasting margin, now broken from it. J.1958.18f

24 Shoe upper, quarter and heel stiffener

Right quarter, of two-part quarters, with lasting margin stitch length 5mm and butted edge/flesh back and side seams stitch length 2.5mm. Top edge deliberately cut off at a height of 34mm at centre back. Whip stitched to attach a heel stiffener. Leather worn calfskin 2mm thick. Matching **heel stiffener**, worn grain inward to the foot, with whip stitched top edge, also deliberately cut off straight across. Complete. Leather calfskin 2mm thick. Height at centre back c. 30mm. J.1958.18f

25 Shoe upper fragment

Fragment with a straight butted edge/flesh seam, other edges broken. Incomplete. Leather calfskin 2.5mm thick. 74+x74+mm. J.1958.18f

26 Shoe upper fragment

Fragment with lasting margin stitch length 4-5mm, all other edges broken. Incomplete. Leather calfskin 2mm thick, similar leather to 25 above. Surviving length 101+mm, width 65+mm. J.1958.18f

27 Shoe upper, vamp fragment

Fragment, likely to come from the throat area of a vamp with a gently concave curving plain cut edge, the throat. All other edges broken. A single oval hole, diameter 3mm, a lace hole is present. Incomplete. Leather bovine c. 3.5mm thick. J.1958.18f

28 Shoe upper fragment

Fragment now highly contorted and folded so that the shape is uncertain, with a fine grain/flesh seam, stitch length 3mm, along two sides, the other sides have been deliberately cut. Complete. Leather calfskin <2mm thick. 159xc. 72mm (folded). J.1958.18f

29 Shoe upper, heel stiffener

Heel stiffener with lasting margin stitch length 7mm, left side partially torn off, and whip stitched top edge. The impression from a back seam clearly visible running up centre back on the flesh side. Worn grain side inward to the foot. Folded at centre back from wear. Almost complete. Leather calfskin c. 2.5mm thick. Height at centre back c. 50mm, width 103+mm. J.1958.18f

30 Shoe upper, heel stiffener

Left side of a (another), not 30) heel stiffener, with the right side torn away (not belonging to or joining to 29 above). Worn grain inward to the foot with a lasting margin stitch length 6mm and a whip stitched top edge. Incomplete. Leather calfskin 2mm thick. Surviving height 4+mm, width 49+mm. J.1958.18f

31 waste/scrap

Piece of heavily worn leather with a very shiny grain surface, possibly sheep/goatskin, with one cut edge including a large V-shaped nick, all other edges are broken. No distinguishing features. Scrap leather but for a deliberately V-shaped cut edge. Incomplete. Leather sheep/goatskin? 1mm thick. 137+x118+mm. J.1958.18f

32 waste/scrap

Piece of worn leather apparently torn along a seam but no stitching remains, cut along a second edge, the other two sides are broken. No distinguishing features. Incomplete. Leather grain pattern indistinct, 1.5mm thick presumed bovine. 88+x52+mm. J.1958.18f

33 waste/scrap

Sub-rectangular piece with two cut edges meeting at a right angle, the other edge is broken. Leather bovine 2mm thick, heavily worn. Incomplete. 76+x43+mm,
Rectangular piece of similar leather with three cut edges, fourth edge is broken. A crack or split present in the centre. Incomplete. Leather no grain pattern visible, presumed bovine 2mm thick. 69+x69+mm. J.1958.18f

34 Shoe upper fragment

Lasting margin stitch length 6mm with the impression of a rand or welt visible on the grain side. Part of the top edge deliberately cut off 29mm above the lasting margin, the rest irregularly broken. Incomplete. Leather worn bovine 2.5mm thick. Surviving length 125+mm, max height c. 34mm. J.1958.18f

35 Shoe, welted shoe, left foot, adult size

Insole forepart with square toe, natural tread and medium waist, torn/worn away across the waist. Clearly for the left foot with edge/flesh seam stitch length 6mm. Also a broken seat likely to belong with it. Almost complete. Leather cattle hide. Surviving length 150+mm, toe width c. 45mm, tread width 74mm, waist width, seat width 50mm.

Matching toe area of vamp, broken away above the lasting margin of the toe. Incomplete. Leather worn bovine c. 2.5mm thick, little grain pattern remaining. Surviving vamp length c. 50+mm. J.1958.18f

36 Strap

Two lengths of strap, likely to belong to the same strap but not directly joining. One length of tapering strap, surviving length c. 140+mm, max width 18mm, min width 12mm. Second length, length 77mm, width 17mm, has a cut edge with a central, horizontal cut and pulled slit 30mm from the end, with evidence of nailing also present. Leather bovine 3mm thick. J.1958.18f

37 Scrap

Roughly oval-shaped piece, distorted, all edges broken. No distinguishing features. Leather cattle hide 2-6mm thick, no grain pattern obvious, delaminating in places. 77+x41+mm
Rolled fragment possible broken from the lasting margin area of a heel stiffener or other upper fragment. 82+x11+mm. Also three very small fragments (1 is broken from a lasting margin). All likely to be broken from other pieces of leather stored in Box BS784

BOX BS775

J.1995.84.29 A.L. Armstrong 1927-29

38 Turnshoe sole, left foot, adult size

Petal-shaped tread, narrow waist and medium seat with edge/flesh seam stitch length 7mm. Toe and upper tread area cut away. Worn stitching from repair to the tread and seat present across the waist area. Seat is worn but not excessively. Incomplete. Surviving length 156mm, tread width 70mm, waist width 27mm, seat width 40mm. J.1995.84.29. Separate label 'A 5 c15th'

39 Turnshoe sole, right foot, adult size

Round toe, natural tread broken across the upper waist area. Edge/flesh seam stitch length 6mm. Stitching from repair at the waist, no excessive wear visible. Incomplete. Surviving length 149+mm, tread width 75mm, width upper waist 35mm. J.1995.84.29. Separate label 'A C16th Sheffield Castle'

40 Turnshoe sole, right foot, adult size

Pointed, slightly outward curving toe, petal shaped tread, narrow waist and long medium seat. Edge/flesh seam stitch length 5mm. No repair, some wear. Complete. Length 230mm, tread width 65mm, waist width 25mm, seat width 39mm. J.1995.84.29 (Armstrong 1930, fig. 9, no. 5)

41 Upper insert

Upper rectangular insert, now broken into 2 pieces, with two whip stitched grain/flesh seams meeting at a right angle, a third plain cut edge, the fourth is broken. Appears to be an insert from a front opening area. Incomplete. Leather calfskin c. 1.5mm thick. Height c. 57mm, width 80+mm. J.1995.84.29. Separate label 'A Heel of shoe??'

42 Turnshoe sole, left foot, adult size

Pointed toe, slightly outward curving with a small toe extension c. 20mm, petal-shaped tread, medium waist and seat. Edge/flesh seam stitch length 5-6mm. Stitching from repair to the tread and seat. Seat worn away at the edge but had clearly been protected by a clump. Complete. Length 225mm, tread width 73mm, waist width 35mm, seat width 46mm. J.1995.84.29 (Armstrong 1930, fig. 9, no. 6).

43 Upper, quarter

Curving and folded piece, cut away from the heel area of shoe quarter above the lasting margin, broken away at each end. No stitching present. Deliberately cut from the shoe when removing the quarters from the sole. Incomplete. Leather bovine 3.5mm thick. Length c. 95mm (curved), estimated length c. 210+mm, height estimated 23mm (folded). J.1995.84.29

44 Upper, small fragments

- 1 Upper fragment with whip stitched grain/flesh seam, plain cut edge, other edge broken. Leather ?bovine 2mm thick. 31+x26+mm
 - 2 Upper fragment with a cut edge. 32+x9+3mm
 - 3 Fragment with a whip stitched edge. 23+x10+x1.5mm
 - 4 Fragment with a cut edge similar to 2 14+x10+x2.5mm
 - 5 Fragment of triangular sectioned strip probably broken from a shoe rand 22+x5x3mm.
- J.1995.84.29

BOX BS802

J.1995.90.17

45 Waste, secondary, trimming

Skived (bevelled) trimming. Leather cattle hide 6mm thick. 90x6mm
Trimming, now looped. Leather cattle hide 6mm thick c. 260x9mm (max). Probably air dried. J.1995.90.17. Separate label 'E8'

BOX BS818

J.1995.90.17

46 Waste, secondary, trimming

Trimming, now in 3 pieces but probably originally joining. Soil obscures some detail but no stitching visible from a rand. Leather presumed bovine no grain pattern visible 2-4mm thick is present. 84+x5x4mm; 52+x5x2mm; 55+x5x2mm. Not washed appears air dried. J.1995.90.17. Separate label 'F.22'

47 Sole forepart repair, left foot, adult size

Forepart clump repair of adult size of thick leather with tunnel stitching around the edge on the flesh side, worn. Complete. Leather cattle hide max 9mm thick. Length 106mm, max width 80mm. J.1995.90.17

48 Sole seat repair, right foot, adult size

Clump seat repair with a hole worn through at the exterior seat area. Tunnel stitching around the edge on the flesh side. Complete. Leather worn bovine 3mm thick. Length 72mm, width 62mm. J.1995.90.17

49 Turnshoe sole, left foot, adult size

Forepart with long pointed toe with toe extension c. 20mm, and petal-shaped tread, torn away obliquely before the lower tread area. Edge/flesh seam stitch length 6mm. Holes worn through at the great toe and toe joint areas but no signs of repair. Poor condition. Incomplete. Surviving length 170+mm, tread width 82mm. J.1995.90.17

50 Turnshoe sole, right foot, small adult size

Lower tread, medium waist and seat areas only, tread and toe areas missing. Edge/flesh seam stitch length 7mm. Worn at the seat. Stitching from repairs to the tread and seat. Does not join any other sole fragment from BS818. Incomplete. Surviving length 126+mm, waist width 34mm, seat width 37mm. J.1995.90.17

51 Turnshoe sole, left foot adult? size

Very narrow waist and long medium seat only, forepart missing. edge/flesh seam stitch length 5mm. Worn but no excessive wear, no obvious signs of repair. Incomplete. Surviving length 103+mm, waist width 20mm, seat width 35mm. J.1995.90.17

52 Sandal/patten sole layer, left foot, adult size

Single layer from sandal sole with long pointed slightly outward-curving toe with toe extension c.35mm, petal-shaped tread and narrow waist. Deliberately cut away across the waist and seat area removed. Row of oval stitch holes, 3x2mm, present around the perimeter spaced 5-6mm apart. Has been worn. Leather presumed cattle hide c.5mm thick. Surviving length 166mm, tread width 62mm, waist width 24mm. J.1995.90.17

53 Sandal/pattern strap

Narrow strap with parallel sides and a straight, skived end with a nail hole, other end is broken. Three well-spaced holes and 4 closely spaced holes for a buckle pin run down the centre at the broken end. The holes appear hardly used. Almost complete. Leather cattle hide 5mm thick. Surviving length 109+mm, width 11mm. J.1995.90.17

54 Shoe upper fragments, side-lacing

Upper piece, now folded, with a whip stitched edge and 2 small lace holes at right angles to it, other edges are broken. The leather is inflexible, puckered and folded. Incomplete. Leather worn 2 mm thick, grain pattern not clearly visible possibly sheep/goatskin. Mould growth present. Length 110+mm (folded), estimated c. 150mm

Sub-rectangular piece with a curved profile and two grain/flesh whip stitched edges meeting at a right angled corner, other edges are broken. May come from the same upper. Incomplete. Leather possible sheep/goatskin 2.5mm thick. Surviving length c. 95+mm, width c 64+mm. J.1995.90.17

55 Waste, secondary, trimming

Narrow, curving trimming with one end skived into a point, the other end broken. Almost complete. Leather cattle hide 5mm thick. Length 87mm, width 5mm. J.1995.90.17

56 Waste/scrap

Piece with a straight, possible hide, edge and a concave cut taken out of another side, all other edges broken. Possibly primary waste with hide edge but detail obscured by poor condition and mould growth. Leather cattle hide 2.5mm thick. 83+x65mm

Small tongue-shaped scrap fragment with a curved edge, broken from other leather items in box BS818. Leather 1.5mm thick. 31+x8+mm

BOX BS783

J.1958.18f

57 Turnshoe sole, right foot, adult size

Short pointed toe (tip now missing), petal shaped tread, medium waist and seat. Edge/flesh seam stitch length 6-7mm. Hole worn through the tread and the entire edge of the seat worn away. Stitching for repair to the tread and seat. Complete. Length 230+mm, tread width 80mm, waist width 36mm, seat width 50mm. J.1958.18f. Separate label 'from BYF display'

58 Turnshoe sole, left foot, adult size

Oval toe, petal shaped tread, wide waist and seat. Edge/flesh seam stitch length 5mm. Hole worn through centre of the seat. Stitching from repair clump to cover hole in the seat and for a repair to the tread. Complete. Length 241mm, tread width 87mm, waist width 52mm, seat width 64mm.

Also a small fragment of rand 7mm wide, 26+mm long. J.1958.18f

59 Turnshoe sole, right foot, adult size

Short pointed toe, partly worn away, petal shaped tread, medium waist and long medium seat. Edge/flesh seam stitch length 6mm. Worn, no signs of repair. Complete. Probably air dried. Length 250mm, tread width c82mm, waist width 38mm, seat width 48mm. J.1958.18f

60 Turnshoe sole, right foot, adult size

Long pointed slightly outward curving toe with c. 35mm toe extension, petal-shaped tread, long narrow waist and medium seat. Edge/flesh seam stitch length 6mm. No signs of repair. Complete. Length 250mm, tread width 78mm, waist width 34mm, seat width 46mm. J.1958.18f

61 Turnshoe sole, left foot, adult size

Broad round toe, natural tread, tapering a very slight waist and relatively narrow seat. Edge/flesh seam stitch length 3-6mm (irregular). Worn at the great toe (medial side) and outer edge of the seat. Stitching from repair tread and seat. Foot impression clearly visible on the flesh side, definitely a turnshoe sole (not an insole). Complete. Length 210mm, toe width 65mm, tread 82mm, waist width 38mm, seat width 36mm. J.1958.18f

62 Turnshoe sole forepart, foot uncertain

Wide oval/round toe and natural tread, broken across upper waist area. Edge/flesh seam stitch length 5mm. Only slight wear present at the toe but stitches from a repair to the upper tread/toe area present, and this area had clearly been protected. Incomplete. Surviving length 128+mm, toe width c.50mm, tread width 75mm. J.1958.18f

63 Turnshoe sole, right foot, adult size

Petal-shaped tread, wide waist and seat only, the toe and upper tread area broken off, left side of seat broken, edge and right (lateral) side worn away. Edge/flesh seam stitch length 8mm. Very heavily worn along the entire lateral edge. No repair visible. Wide example possibly late 15th/16th century. Almost complete. Possibly air dried. Length 204+mm, tread width 90mm, waist width 53mm, seat width 63mm. J.1958.18f

64 Sole forepart repair, right foot, adult

Oval toe with hole worn through at the toe joint area. Tunnel stitching around the perimeter on the flesh side. Now with a curved profile. Does not belong to 63. Probably air dried. Complete. Length 120mm, width 90mm. J.1958.18f

65 Turnshoe sole, left foot, adult size

Oval toe, petal shaped tread, wide waist and seat, most of the seat has been torn away. Edge/flesh seam stitch length 6-7mm, large and round stitch holes may suggest a late 15th/16th century date. Stitching from repairs to tread and seat. Almost complete. Surviving length 200+mm, tread width 83mm, waist width 52mm, upper seat width 67mm. J.1958.18f

66 Turnshoe sole, right foot, adult size

Forepart of sole with oval toe area and upper tread only, deliberately cut from the sole. Edge/flesh seam stitch length 5-6mm. Worn but no repair visible. Incomplete. Surviving length 81+mm, tread width 82mm. J.1958.18f

67 Turnshoe sole, right foot, adult size

Petal-shaped tread, medium straight waist and seat, the toe and upper tread area irregularly cut away and missing. Edge/flesh seam stitch length 7mm. Lower part of seat worn away. No repair visible. Incomplete. Surviving length 170+mm, tread width 80mm, waist width 35mm, seat width 44mm. J.1958.18f

68 Turnshoe sole, probably right foot, adult size

Lower tread, medium waist and seat area only, toe and upper tread area deliberately cut off. Edge/flesh seam stitch length 7mm. Seat area heavily worn and edge worn away. No repair visible. Incomplete. Surviving length 140+mm, width lower tread 76mm, waist width 37mm, seat width 45mm. J.1958.18f

69 Turnshoe sole, foot uncertain, adult size

Tread area of a sole deliberately cut from a sole, broken in half and half only surviving Toe area worn with stitching from repair visible. Edge/flesh seam stitch length 5mm. Incomplete. Surviving length 98+mm, max width 70+mm. J. 1958.18f

70 Turnshoe sole, right foot, adult size

Short pointed toe, petal shaped tread, narrow waist, seat heavily worn along one side. The sole skewed inward. Edge/flesh seam stitch length 6mm. Hole worn through at toe and tread. No repair. Profile now curved. Almost complete. Surviving length 183+mm, tread width 77mm, waist width 33mm, seat width 35+mm. J.1958.18f

71 Turnshoe sole, right foot, adult size

Forepart of sole skewed inward. Toe area torn away, petal shaped tread, narrow waist, broken from seat now missing Edge/flesh seam. Large hole worn through the tread with some faint stitching from repair visible. Incomplete. Surviving length 142+mm, tread width 84mm, waist width 22mm. J.1958.18f

72 Turnshoe sole, left foot, adult size

Pointed toe, petal shaped tread, narrow waist and seat. Edge/flesh seam stitch length 5mm. Stitching from at least 2 repairs to the tread and 1 to the seat. Very poor condition, delaminated and the outer edge entirely lost, very aggressive burial environment. Almost complete. Surviving length 201+mm, tread width 74+mm, waist width 28+mm, seat width 28+mm. J.1958.18f

73 Turnshoe sole, foot uncertain, adult size

Lower tread, wide waist and very wide seat only, toe and upper tread area missing. Edge/flesh seam stitch length 7mm. Hole worn through at seat. Stitching for 1 repair to tread and 2 repairs

to the seat. Incomplete. Surviving length 180+mm, lower tread width 80+mm, waist width 52mm, seat width 65mm. J.1958.18f. Separate label 'D22-23 (dragline)'

74 Turnshoe sole, ?right foot, adult size

Medium waist and seat, toe and much of tread missing. Delaminated remains of the sole with the seat broken and distorted, remains of the tread heavily worn with a hole worn through so shape uncertain. Edge/flesh seam stitch length 5mm. Stitching from repair to the seat visible. Incomplete. Surviving length 156+mm, waist width 33mm. J.1958.18f. Separate label 'D22-23 dragline'

75 Turnshoe sole fragment, foot uncertain

Lower tread and waist area only, upper edge broken across a probable hole worn in the tread. Edge/flesh seam stitch length 5-6mm. Stitching from repair to tread and seat. Incomplete. Surviving length 70+mm, max width 66+mm, waist width 31mm. J.1958.18f.

76 Sole repair fragment

Clump repair with curving edge with tunnel stitching on flesh side surviving, broken from the rest of the repair patch. Incomplete. Surviving length 36+mm, width 60mm. J.1958.18f

77 Sole repair, cut

Trapezoidal piece cut from a large clump repair with tunnel stitching along three edges on the flesh side, the fourth edge is cut obliquely with a skived edge. Leather cattle hide 6mm thick. Complete. Length 67mm, width 87mm. J.1958.18f

78 Turnshoe rands

14 pieces of turnshoe rand from the turnshoes in the assemblage, ranging in width from 6-12mm. J.1958.18f

79 Waste, secondary, trimming

Now looped. Leather cattle hide 4mm thick. Length 280mm (estimated), max width 5mm. J.1958.18f

80 Strap

Piece of wide strap, broken across each end. The sides are tooled (rounded) and each has a crease line (an impressed line made by a heated tool) 5mm from the edge. The strap now tapers slightly in width because a length of 60mm has been cut from one side, the opposite side has a large area torn from it. Incomplete. Leather cattle hide 4mm thick. Surviving length 146+mm, max width 58mm. J.1958.18f

81 Shoe upper, vamp, adult size

Remains of oval toed vamp, now broken into two pieces, most of left side and the throat area missing. Lasting margin surviving on the right side and part of the right side seam, butted edge/flesh stitch length 2-5-3mm, with 3 pairs of whip stitches to attach a lining. Two large tunnel stitches present above the lasting margin on the left side to attach a large tread repair that overlapped the sole in that area. An angular hole has been broken on the right side, probably to accommodate a bunion. Incomplete. Leather cattle hide 3.5mm thick. Length toe to side seam c.160mm. J.1958.18f

82 Shoe upper, side-lacing ankleshoe, adult size

Side panel from a tall side-lacing ankleshoe/boot, the lasting margin and the top edge cut off. Vertical right (back) edge/flesh butted back seam stitch length 3mm. A series of small oval lace holes run along the front edge, 9 are present with the top two apparently unused, with a whip stitched front edge with matching whip stitching on the flesh side to secure a separate lace hole lining. An oblique row of similar stitching on the flesh side to attach one side of a

heel stiffener, now missing. Complete. Leather worn calfskin 3mm thick. Surviving height 160mm, max width 62mm.

Two lengths of lace hole lining, not joining, each with 6 lace holes, probably from either side of the side opening. Almost complete. Leather worn calfskin 1.5-2mm thick. Surviving length 94+mm, max width 15mm; surviving length 85+mm, max width 14mm. J.1958.18f

83 Shoe upper, front fastening shoe, adult size

Trapezoidal **tongue** with 2 whip stitched butted seams meeting at a corner with a lace hole, 5mm in diameter, present half way up one of them, two upper sides are plain cut. The tongue is now crushed and distorted by wear. Complete. Leather slightly worn calfskin max 2mm thick. Length c.91mm, width 100mm (estimated).

Upper fragment with a large fastening hole close to a whip stitched edge, other edges plain cut or broken. Leather heavily worn bovine 2mm thick. Incomplete. 71+x52+mm. **Upper fragment** of similar leather with a finely stitched, angled butted edge/flesh seam stitch length 2mm. Incomplete. Leather calfskin 2mm thick. Surviving length 157+mm, width (Ht.) 58+mm. The size of upper fragments suggests a one-piece upper. J.1958.18f

84 Shoe upper, one-piece quarters, adult size

Fragment broken from the right side of one-piece quarters cut from the lasting margin. Part of the butted edge/flesh front seam stitch length 3mm survives rising to a convex upward curving plain cut top edge, the lower part of the top edge has whip stitching to attach a strengthening cord on the flesh side. Deliberately cut horizontally from the lasting margin from the side seam for a short distance, other edges torn. Quarters from a low front fastening shoe. Incomplete. Leather worn calfskin 2.5mm thick. Surviving height 90+mm, width 61+mm. J.1958.18f

85 Shoe upper fragment

Corner broken from an upper with an oblique butted edge/flesh side seam stitch length 3mm meeting a lasting margin stitch length 5-6mm meeting, other edges broken. The impression of a rand visible along the lasting margin. Similar leather to one-piece quarters fragment 84. Incomplete. Leather calfskin 2mm thick. J.1958.18f

86 Turnshoe sole, secondary offcut

Rectangular offcut with four cut edges, one edge is skived with 5 stitches from a sole seam present. 4 horizontal slashes suggest it may have been used as a temporary cutting platform. Complete. Leather worn cattle hide 4mm thick. Length 106mm, width 71mm. J.1958.18f

87 Shoe, ?left foot, adult size

Forepart clump sole repair, almost circular in shape from a very wide round toed shoe. A hole worn through at the left edge and a large semi-circular area cut from the lower edge. Tunnel stitching around the edge on the flesh side. Complete. Length 117mm, width 111mm. Broad, round **toe area of vamp**, matching the clump sole, with lasting margin stitch length 6mm. No side seams survive, throat area broken and central part broken vertically to the toe, now folded and torn. A hole is worn through in the same area as the clump, position and wear suggests it may be for the left foot. Distinctive earlier 16th century toe shape. Incomplete. Leather worn cattle hide 2mm thick. Surviving length 122+mm, max width 123mm. J.1958.18f

88 Scrap/upper

Piece of heavily worn leather with a small area of cut edge, all other edges torn. No distinguishing features appears to be broken from shoe upper. Incomplete. Leather heavily worn bovine 3mm thick. Surviving length c. 140+mm, width 97+mm. J.1958.18f

89 Waste, secondary

Triangular-shaped piece with cut edges, broken away in small areas, with a tongue-shaped area cut and broken from one side. Now folded and distorted. Probably cut from a shoe upper. Incomplete. Length 104 (folded), width 93mm. J.1958.18f

90 Shoe, welted shoe bottom, left foot, adult size

Wide, round/squared toe area broken from shoe **insole**. Edge/flesh seam stitch length 6mm. Worn cattle hide 6mm thick. Incomplete. Surviving length 55+mm, width 62mm

Midsole with a worn, square toe, natural tread, medium waist and rounded medium seat. Grain/flesh seam with impression of welt clearly visible on the flesh side. Stitching from repair to the tread. Complete. Length 203mm, toe width 45mm, tread width 74mm, waist width 42mm, seat width 58mm. J.1958.f

91 Shoe, heel lift, adult size

D-shaped lift from a stacked leather heel, wear suggests from a left foot shoe. Grain/flesh stitching around the perimeter and multiple peg holes, with a shank from an iron hobnail present. Dry, brown in colour, likely to have air-dried. Leather cattle hide 5mm thick. Single lift is complete. 60x65mm. J.1958.18f. Separate label H2-4X

92 Shoe, heel lift, adult size

Pear-shaped lift from a stacked leather heel with a straight cut breast. Grain/flesh stitching around the outer edge with a scored line within, on the flesh side, as a guide for the stitching. A large hole has been cut in the centre to lighten the weight of the large heel. Not belonging with 91 or 93, no peg or hobnail holes present. Dry, brown, likely to have air-dried. Cattle hide 6mm thick. Single lift is complete. 81x65mm. J.1958.18f. Separate label G23 11' I.

93 Shoe, welted midsole, adult size

Lower tread, medium waist and rounded medium seat, toe and upper tread missing. Hole worn in the tread and the midsole has been broken at this point. Grain/flesh seam stitch length 6mm. Additional stitching running obliquely across the waist from repairs to the tread and seat. Dry, brown, probably air-dried. Heavily compacted and worn cattle hide 2.5mm thick. Incomplete. Surviving length 112+mm, waist width 40mm, seat width 54mm. J.1958.18f

94 Waste, secondary, trimmings

Secondary/tertiary trimmings, 2 curved, all from trimming around shoe soles. Dry, brown, probably air-dried. All cattle hide. J.1968.18f. Separate label 'G23 10' Black'

1. 66x10x5mm thick, curved, unworn cattle hide
2. 85x8x4mm thick, curved
3. 115x4x6mm thick
4. 145 (estimated as folded) x5x7mm thick
5. 144x3x4mm thick
6. 175x4x7mm thick, curved
7. 118x23x3mm thick

Box BS 812

J.1995.90.17

6x4 index card 'Sheffield Castle, 1958. Leather from 5H. Parts of 2 black jacks Subsid. Moat from Exchange St'

Leather items each in a separate polythene bag

95 Shoe, vamp, front-fastening, adult size

Vamp, left side only, right side broken off. Lasting margin stitch length 6mm at the waist area, the tread area worn away. Short, straight butted left side seam c 40mm high, the edge is broken so that the stitch length is unknown. Concave throat, also with a broken edge, torn along a line of stitching, extending into the beginning of a vertical, central opening which has a row of whip stitching from a lapped seam to attach a tongue (now missing). A single round fastening (lace) hole is present at the junction of the throat and central opening. Incomplete. Poor condition, cream-coloured deposits in places on both surfaces. Leather worn bovine 2.5mm thick. Length toe to side seam 179mm. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

96 Shoe upper fragments

Bag 1: Three very small fragments of upper with a whip stitched edge stitch length 6mm. Incomplete. Leather presumed bovine 2mm thick. Largest 34+x12+mm.

Bag 2: Length of whip stitched seam stitch length 5-6mm, all other edges broken. Incomplete. Leather good condition, calfskin 2mm thick. 75+30+mm.

Bag 3: Fragment of whip stitched seam stitch length 6mm, other edges broken. Incomplete. Leather worn bovine 2mm thick. 40+x29+mm.

Bag 4: Rectangular, distorted, fragment with a whip stitched edge stitch length 5mm, other edges broken. Incomplete. Leather bovine 2mm thick. 96+x58+mm.

Bags 1-4: J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

97 Shoe upper fragment

Fragment with a whip stitched edge, stitch length 4mm, other edges broken. Incomplete. Leather sheep/goatskin 1mm thick. 54+x28+mm. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

98 Shoe, welted shoe, left foot, adult size

Insole, square toe with seam broken off, relatively narrow natural tread, medium to narrow waist and rounded medium seat. Insole skewed inward and hole worn through the tread area. Narrow proportions suggest a woman's shoe. Edge/flesh seam, rather irregular with large round stitch holes, stitch length 5-8mm. Length 204+mm, tread width 58mm, waist width 29mm, seat width 48mm

Length of **welt** 9mm wide, length 145mm now broken into two pieces. Two fragments of welt from around the seat area, torn away along their length so only one row of stitching remains stitch length 10mm.

Left and right quarters, the lasting margin only remains, cut off 18mm above. Short length of butted edge/flesh back and the right side seam stitch length 2.5mm. Incomplete. Leather grain inward and flesh side outward, presumed bovine 3mm thick. Length front to back seam c. 70mm. Cobbling waste. J.1995.90.17. 'Sheffield Castle G23 Leather shoe A 16th or 17th'

99 Shoe, welted insole, right foot, small ?adult size

Insole with part of the toe and outer tread area missing, likely that a hole has been worn through the tread. Part of the probably square toe present, natural tread, narrow waist and rounded medium seat. Edge/flesh seam with large round holes stitch length 7mm. Narrow shape suggests a woman's shoe. Almost complete. Length 197mm, tread width 61mm, waist width 22mm, seat width 40mm. J.1995.90.17. 'Sheffield Castle G23 Leather shoe A c16th or 17th'

100 Shoe, welted sole fragment, adult size

Lower tread and waist area only, moulded downward toward the seat area suggesting a heel originally. Multiple holes from a grain/flesh seam within a stitching channel on the grain side and holes from wooden pegs or nails at the waist area. Foot uncertain. Incomplete. Surviving length 90+mm, waist width 40mm. J.1995.90.17. 'Sheffield Castle G23 Leather shoe A c16th or c17th'.

101 Shoe, welted sole

Highly deteriorated remains of sole, central area only survives of the lower tread, waist and seat. The toe, tread and the outer edges including the seam missing. Multiple peg holes present at the seat. Incomplete. Surviving length 108+mm, max width 47+mm. J.1995.90.17. 'Sheffield Castle G23 Leather shoe A c16th or 17th child's'.

102 Sole repair, adult size

Large, shapeless clump repair, not certain if forepart repair or a very large seat repair, possibly a forepart repair for a right foot sole. Heavily worn in the one area with tunnel stitching around

perimeter on the flesh side. Almost complete. Length 97mm, width 80mm. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

103 Sole repair, adult size

Broken clump repair, probably a forepart repair, foot and shape uncertain. One side broken off, worn along the other. Leather delaminated and now distorted. Incomplete. Length 90+mm, width 68mm. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

104 Turnshoe rand

Rand 7mm wide, curved indicating came from a square or a broad round toe area of turnshoe sole. Complete. Length 112mm. J.1995.90.17

105 Strap/offcut

Slightly tapering strap broken at each end with a pair of small round holes spaced vertically 5mm apart near one end. Looks like a tapering offcut with two holes rather than a strap. Incomplete. Leather thin and distorted by wear, bovine 2mm thick. Length 129+mm, max width 23mm, min width 17mm. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

106 Waste, secondary, trimmings

Dry, brown, probably air-dried. Leather cattle hide. J.1995.90.17. 'G24 (?)'

1. 44x3x5mm
2. 82(estimated as folded) x4x5mm

107 Waste, primary

Primary waste with an area of hide edge with some hair present, and 3 cut edges. Complete. Dry, brown, probably air-dried. Leather cattle hide 4mm thick. Length 85mm (now curled slightly), max width 25mm. J.1995.90.17. 'Sheffield Castle G23'

108 Turnshoe sole fragment

Tongue-shaped piece with edge/flesh seam around the perimeter, stitch length 4mm, much obscured by soil. Appears to be a narrow sole seat torn away across a narrow waist, now distorted but foot impression and slight wear suggests a turnshoe sole seat. Four oblique parallel scored lines present on the flesh side from defleshing. Incomplete. Brown, dry, probably air-dried. Leather bovine 3mm thick. Surviving length 74+mm, waist width 16mm, seat width 25mm. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

109 Shoe upper, heel stiffener, adult size

Large low heel stiffener from a welted shoe with a whip stitched top edge and unmoulded lasting margin stitch length 5mm, broken away in places. One corner folded inward. Almost complete. Leather presumed bovine. Height at centre back 38mm, length/width 112mm (corner folded). J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

110 Shoe, ?welted insole fragment

Trapezoidal piece possibly broken from a welted insole. Made in two parts with a butted edge/flesh seam stitch length 5-7mm along two sides and joined by an obliquely sloping seam that is more heavily worn and indistinct, the fourth side is broken. The grain side shows distinct wear, probably a foot impression, and has IIX (or XIII) incised across the waist area. Now with a sinuous profile and slightly distorted. Incomplete. Surviving length 105+mm, max width 61mm, min width 42mm. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

111 Shoe upper fragment

Rectangular fragment with a grain/flesh whip stitched edge stitch, length 3mm, a grain/flesh seam, stitch length 6mm, one cut side, the other is broken. The piece is torn across the middle and now in two pieces. The stitch holes are indistinct. Likely to be broken from a shoe upper.

Incomplete. Leather bovine 2mm thick. 42+x35+mm. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

112 Stitched fragment

Rectangular fragment with a whip stitched edge, stitch length 5mm, 85mm long. All other edges are irregular and broken. Incomplete. Leather brittle, curling and distorted, black in colour, shiny/sticky with much wax still present on one surface. Leather calfskin 2mm thick. Surviving length c. 135+mm, width 72+mm. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

113 Stitched fragment with attachment points

Irregular fragment with five stitches of grain/flesh seam stitch length 4mm surviving, all other edges are broken. Two groups of grain/flesh stitching each arranged in a roughly square shape, 10x10mm, and spaced c. 20mm apart, are present to attach two separate narrow straps or other attachments close to the seam. The straps appear to have been attached to the grain side. The stitching on the flesh side is unworn and no impression from the strap is visible. Incomplete. The leather is relatively thin and torn. Black in colour, shiny, slightly sticky with some soil adhering. Leather bovine 2mm thick. Surviving length c.130+mm, width 106+mm. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

114 Scrap fragment

Scrap fragment of thin leather with the upper surface of the grain side covered in multiple cracks that do not penetrate to the flesh side. All edges irregularly broken. Leather brittle, black in colour. Incomplete. Leather calfskin 1-1.5mm thick. 189+x77+mm. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

115 Stitched fragment and scrap

1 Fragment with grain/flesh seam stitch length 5mm, possibly a lasting margin, the stitches obscured by conservation products, all other edges broken. Incomplete. Leather black and shiny with opaque brown wax-like substance on both faces presumably resulting from a conservation treatment. Leather presumed bovine 1.5mm thick. 104+x63+mm.

2 Fragment with all edges broken, wax-like substance present on the flesh side. Incomplete. Leather presumed bovine 1.5mm thick, brittle. 88+x41+mm. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

116 Scrap

Fragment, all edges broken. Incomplete. Leather black, brittle, distorted with soil present. Leather calfskin 1.5mm thick. 77+x48+mm. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

117 Scrap

1 Fragment, all edges broken. Incomplete. Leather black, shiny, brittle, distorted with opaque brown wax-like substance on the flesh side presumably from the conservation treatment. Leather calfskin max 1.5mm thick. 85+x44+mm.

2 Also a small fragment broken from it. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

118 Scrap

Fragment, all edges broken. Incomplete. Leather black, brittle, distorted. Leather presumed calfskin 1mm thick. 43+x45+mm. J.1995.90.17

119 Scrap

Fragment, all edges broken. Incomplete. Leather not distorted or brittle, no grain pattern visible presumed bovine 1.5mm thick. 73+x46+mm. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

120 Scrap

Fragment, all edges broken. Incomplete. Leather black/brown, not shiny, brittle or distorted. Leather worn calfskin 1.5mm thick. 63+x33+mm. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

121 Scrap

Fragment, all edges broken. Incomplete. Leather black, shiny, brittle. Leather sheep/goatskin 1.5mm thick. 61+x35+mm. Also 2 small fragments broken from it, one with wax-like substance present. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

122 Stitched fragment

Fragment, all edges broken, with a small number of grain/flesh stitch holes visible. Incomplete. Leather black, brittle with wax-like substance present. Leather calfskin 2mm thick. 49+x29+mm. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

123 Scrap

Fragment, all edges broken. Incomplete. Leather black, shiny, brittle with much wax-like substance present. Leather sheep/goatskin 1.5mm thick. 28+x23+mm. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

124 Stitched fragment

Fragment with straight cut edge, other edges torn but the edge at right angles to it appears to be torn along a seam. Possibly broken from a shoe upper?. Incomplete. Leather black, shiny, brittle and distorted. Leather no grain pattern visible, worn 1mm thick. 49+x26+mm. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

125 Scrap

Fragment, all edges broken. Incomplete. Leather black, shiny, brittle with wax-like substance visible. Leather calfskin 1mm thick. 43+x23+mm. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

126 Scrap

Six very small fragments, all edges broken, broken from fragments from the same location. Leather black, shiny and brittle. J.1995.90.17. 'Sheffield Castle 5H leather Moat from Exchange St'

127 Shoe, upper?

Fragment, now broken into two pieces, with c. 93mm of grain/flesh stitched lasting margin present, stitch length 5-7mm stitches indistinct and obscured by soil. All other edges are broken. Leather black, shiny, brittle, curled and distorted. Possibly from a one-piece shoe upper, but the leather is similar to the scrap and stitched fragments above (112-126), but location differs, so potentially from an unknown item. Leather worn, presumed bovine 1.5mm thick. Surviving length c. 295+mm, width 90+mm. J.1995.90.17. 'Sheffield Castle leather H3 Black with timber POLYTRIDIUM COMMUNE'

128 Sole repair, right foot, adult size

Clump repair of D-shape with the right (lateral) edge worn away and multiple peg holes, at least 5 with wooden pegs insitu. Complete. Leather brown, curled probably air-dried. Leather cattle hide 4mm thick. Length 56mm, width 74mm (estimated). J.1995.90.17 'Sheffield Castle E18'

129 Shoe upper, welted, quarter, adult size

Left quarter with unmoulded lasting margin stitch length 6mm with large round stitch holes. Butted edge/flesh back seam, stitches obscured by soil. Top edge cut off 24mm above the

lasting margin, with sloping cut that also removed the front seam. Leather grain outward (suede), flesh side inward to the foot. Complete (i.e. not broken). Leather brown, probably air-dried. Leather cattle hide 3mm thick. Surviving length 73mm, max surviving height 24mm. J.1995.90.17. 'E18'

130 Lace/waste, secondary, trimming

Lace or trimming, now curved and distorted, brown, probably air-dried. Complete? Leather presumed cattle hide 4mm thick. Length 175mm, width 5mm. 1995.90.17. 'E18'

131 Shoe, turnshoe fragments. Incomplete. All 1995.90.17. 'Sheffield Castle leather F22'

1. Rand 6mm wide. Length 85+mm
2. Upper fragment with straight cut top edge and butted edge/flesh seam stitch length 3.5mm at right angle to it, other edges broken. Leather bovine 2mm thick. Height 41+mm, width 56+mm
3. Upper fragment with lasting margin stitch length 6mm. Black, shiny, brittle. Leather delaminated calfskin. Height c 43+mm, width 51+mm
4. Delaminated fragment with 2 splits, all edges broken. Black, shiny, sticky, brittle. Leather delaminated. 50+x42+mm

132 Sole repair, right foot, adult size

Forepart clump with pointed toe and large petal-shaped tread. Tunnel stitching around the perimeter on flesh side, heavily worn and showing on the grain side. Leather black, slightly shiny Complete. Length 134mm, width 102mm. J.1995.90.17. In separate bag 'Sheffield Castle 1926-7(?), 1958 (?). Leather 9' (Armstrong 1930, fig. 9, no. 3)

133 Sole repair, right foot, adult size

Forepart clump with sharply pointed toe, wide petal-shaped tread and oblique lower edge. Hole worn through at the toe. Tunnel stitching around perimeter on the flesh side. Leather brown, dusty probably air-dried. Complete. Leather thick cattle hide max 7mm in places/ Length 164mm, width 90mm. J.1995.90.17. In separate bag 'Sheffield Castle 1926-7(?), 1958 (?). Leather 9'

134 Sole repair, right foot, adult size

Broken forepart clump only tread and irregularly cut bottom edge remaining, toe and upper tread missing. Tunnel stitching around perimeter on flesh side. Incomplete. Leather black, dusty, slightly sticky. Leather bovine 3mm thick. Surviving length c. 65+mm, width 81mm. J.1995.90.17. In separate bag 'Sheffield Castle 1926-7(?), 1958 (?). Leather 9'

135 Turnshoe sole, left foot, adult size

Pointed toe, petal-shaped tread, long narrow waist and medium seat. Hole worn through at toe and lower part of the seat. Edge/flesh seam stitch length 5-6mm. Stitches from repair to tread and seat. Complete. Leather black and dusty. Length 180+mm, tread width 59mm, waist width 19mm, seat width 31mm. J.1995.90.17. In separate bag 'Sheffield Castle 1926-7(?), 1958 (?). Leather 9'

136 Turnshoe sole, right foot, adult

Petal-shaped lower tread, narrow waist and medium seat. Toe and upper tread areas missing, worn along the outer (lateral) edge. Edge/flesh seam stitch length 6mm. Stitching from repairs to tread and seat. Incomplete. Leather black and dusty. Surviving length 156+mm, tread width 64mm, waist width 22mm, seat width 36mm. J.1995.90.17. In separate bag 'Sheffield Castle 1926-7(?), 1958 (?). Leather 9'

137 Turnshoe sole, right foot, adult

Petal-shaped tread and narrow waist only, toe and seat missing. Edge/flesh seam stitch length 5mm. No sign of repair. Incomplete. Leather black and dusty. Surviving length 127+mm, tread

width 65mm, waist width 20mm. J.1995.90.17. In separate bag 'Sheffield Castle 1926-7(?), 1958 (?). Leather 9'

138 Turnshoe sole, left foot, adult

Forepart of two-part sole, with petal shaped tread seamed across the lower tread area. Toe area and a large area of the lateral side of the tread broken off. Edge/flesh seam stitch length 5mm. No repair visible. Incomplete. Leather black and dusty. Surviving length 126+mm, tread width 71mm. J.1995.90.17. In separate bag 'Sheffield Castle 1926-7(?), 1958 (?). Leather 9'

139 Sole repair, left foot, adult

Remains of a forepart clump with the toe, sides and lower edge broken. A few worn stitch holes visible around the surviving edges. Originally likely to have had a pointed toe and petal-shaped tread. Incomplete. Surviving length 116+mm, width 77mm. J.1995.90.17. In separate bag 'Sheffield Castle 1926-7(?), 1958 (?). Leather 9'

140 Shoe upper fragment

Fragment broken from the right side of a shoe upper with a whip stitched top edge stitch length 4mm and a butted edge/flesh, dog-leg side seam with a short area of vertical seam above. Back part and lasting margin broken off. Incomplete. Leather bovine 2.5mm thick. Surviving height 78+mm, length c. 140+mm. J.1995.90.17. In separate bag 'Sheffield Castle 1926-7(?), 1958 (?). Leather 9'

BOX DIS 132 G2/A15

'Leather shoes x2' Sheffield Castle 1995.90.17

141 Turnshoe, front buckle fastening, right foot, adult

Sole and vamp now attached with twists of wire. **Sole** with long pointed toe with a toe extension of c. 30mm, petal-shaped tread, long narrow waist and medium seat. Hole worn through at great toe joint and the edge of the sole heavily worn. Edge/flesh seam, stitch length 5mm. No repair. Complete. Length 232+mm, width tread 63mm waist width 17mm, seat width 33mm.

Vamp with pointed toe and high throat, with a vertical, central opening, continuing into the butted edge/flesh side seams stitch length 3mm. The central opening is c. 57mm long with paired whip stitching from a lapped seam along each side to attach a separate tongue, now missing. The left side seam runs obliquely down to the lasting margin stitch length 6mm, the right is similar but turns abruptly and slopes forward to meet the lasting margin, this forward slope is unstitched and appears to be a secondary cut edge. The side seams extend very far back, as far as the sole seat suggesting that the vamp does not belong to the sole. On the left (medial) side of the front opening is a paired hole with stubs of thong remaining from a buckled strap, with a large angular tab terminal of the split buckle strap on the interior. A looped strap keeper, 5mm wide, is located c. 10mm below. Complete. Leather black, shiny, slightly sticky. Leather upper calfskin 2mm thick. Length from toe to side seam 222mm, height to central opening c. 110mm. J.1995.90.17. (possibly Armstrong 1930, fig. 9, no. 2; if so, shown with quarters, now missing).

142 Turnshoe, right foot adult

Sole and vamp now stitched together through the lasting margin holes. **Sole** with long pointed toe curving outward with a toe extension of c. 30mm, petal-shaped tread, medium waist and medium straight seat. Sole broken in two pieces across the tread, left (medial) edge of the seat is broken and the edge is worn. Edge/flesh seam stitch length 6mm. No repair. Almost complete. Length 264mm, tread width 82mm, waist width 36mm, seat width 50mm (estimated).

Large **vamp** with pointed toe, the right (lateral) side is broken above the lasting margin, stitch length 6mm, and the throat area is broken and now missing. The butted edge/flesh front seam,

stitch length 3mm, survives to a height of 65mm on the right (lateral) side, being broken away above this, on the left (medial) side the side seam survives to a height of c 40mm, above this it has been cut away in a deep concave curve. A large raised rib runs vertically down from the centre of the throat to the toe, surviving for a length of 125mm and standing 5mm high. The raised rib and a tear on each side running down from the throat area have been stitched by conservators. The vamp appears likely to belong to the sole. Almost complete. Leather black, shiny and sticky. Leather upper bovine 2mm thick. Length from toe to side seam c. 210mm, height to decorative rib c.95mm. J.1995.90.17 (Armstrong 1930, fig. 9, no. 2)

In a separate polythene bag (not in a box when seen 07/2017)

'Sheffield Castle (5) probably 1926-7.

1995.90.17 1927-6 (?) 1958 (?)'

Paper label in bag written in red ink 'These were on display in T&V exhibition'

143 Turnshoe sole, left foot, adult size

Pointed toe curving slightly outward, petal-shaped tread, medium/wide waist and straight medium seat. The end of the seat is worn away. Edge/flesh seam stitch length 5-6mm. No repair. Complete. Leather dry, brown, probably air-dried. Length 224mm, tread width 78mm, waist width 41mm, seat width 46mm. J.1995.90.17

144 Turnshoe sole, left foot, adult size

Pointed toe, petal-shaped tread, medium waist and medium seat, the lower part of the seat is broken off and now missing. Edge/flesh seam stitch length 6mm, seam at the great toe has been worn away. Stitching from at least two repairs to the tread and two to the seat. Almost complete. Leather dry, brown, likely to have air-dried. Surviving length 200+mm, tread width 83mm, waist width 37mm, seat width 42mm. J.1995.90.17

145 Turnshoe sole, left foot, adult size

Pointed toe curving slightly outward, petal-shaped tread and medium waist, cut across the waist and the seat removed. Hole worn through at the toe. Edge/flesh seam stitch length 6mm. No repair. Complete. Leather dry, brown, much soil adhering, likely to have air-dried. Length 163mm, tread width 80mm, waist width 35mm. J.1995.90.17

146 Turnshoe sole, left foot, adult size

Pointed toe, petal-shaped tread, narrow waist and seat. Edge/flesh seam stitch length 4-5mm. A single small, vertical, slash present in the centre of the tread on the flesh side that does not penetrate to the grain side. No sign of repair visible. The sole is broken into two pieces across the waist, it appears to have curled upward and been snapped across the bend. Complete. Not washed, covered in soil obscuring some detail. Dry, brown, air-dried. Length 195mm, tread width 55mm, waist width 19mm, seat width 28mm. J.1995.90.17

Appendix 3 Working drawings of the leather from Sheffield Castle

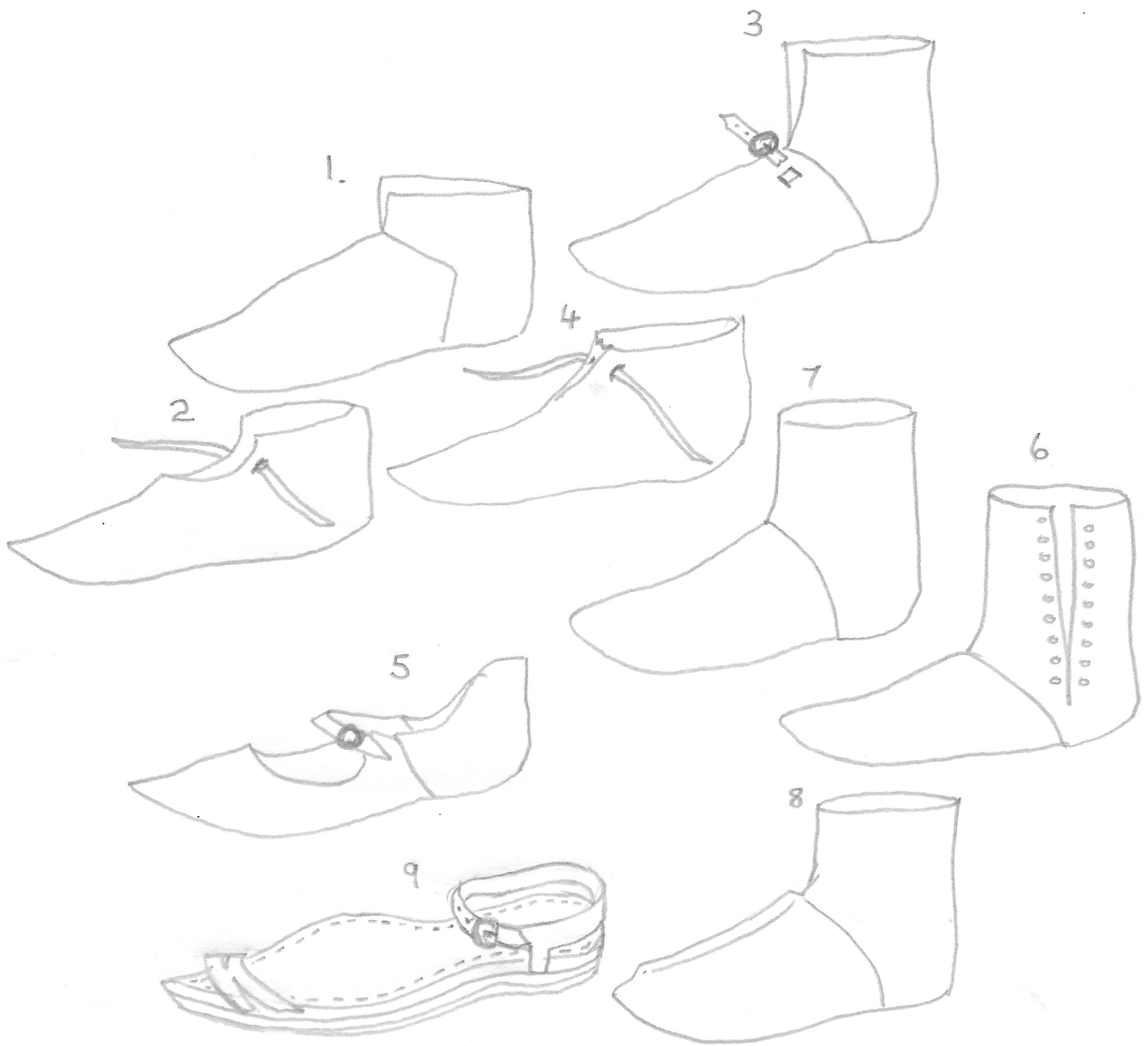
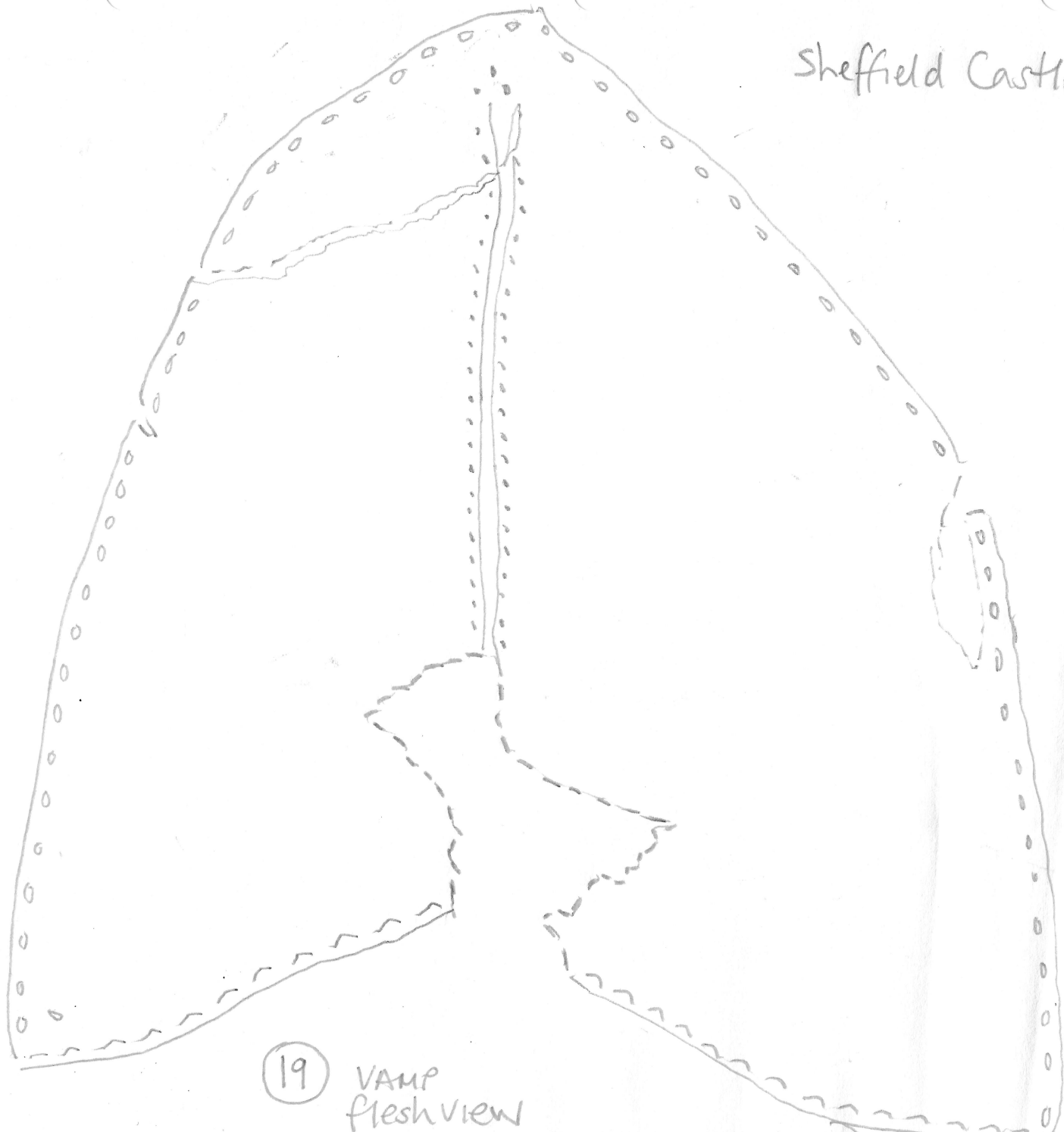


Figure 1: Sheffield Castle late medieval shoe styles found.

Sheffield Castle



19 VAMP
flesh view

ette

19
grain view
(upper view)



Sheffield Castle

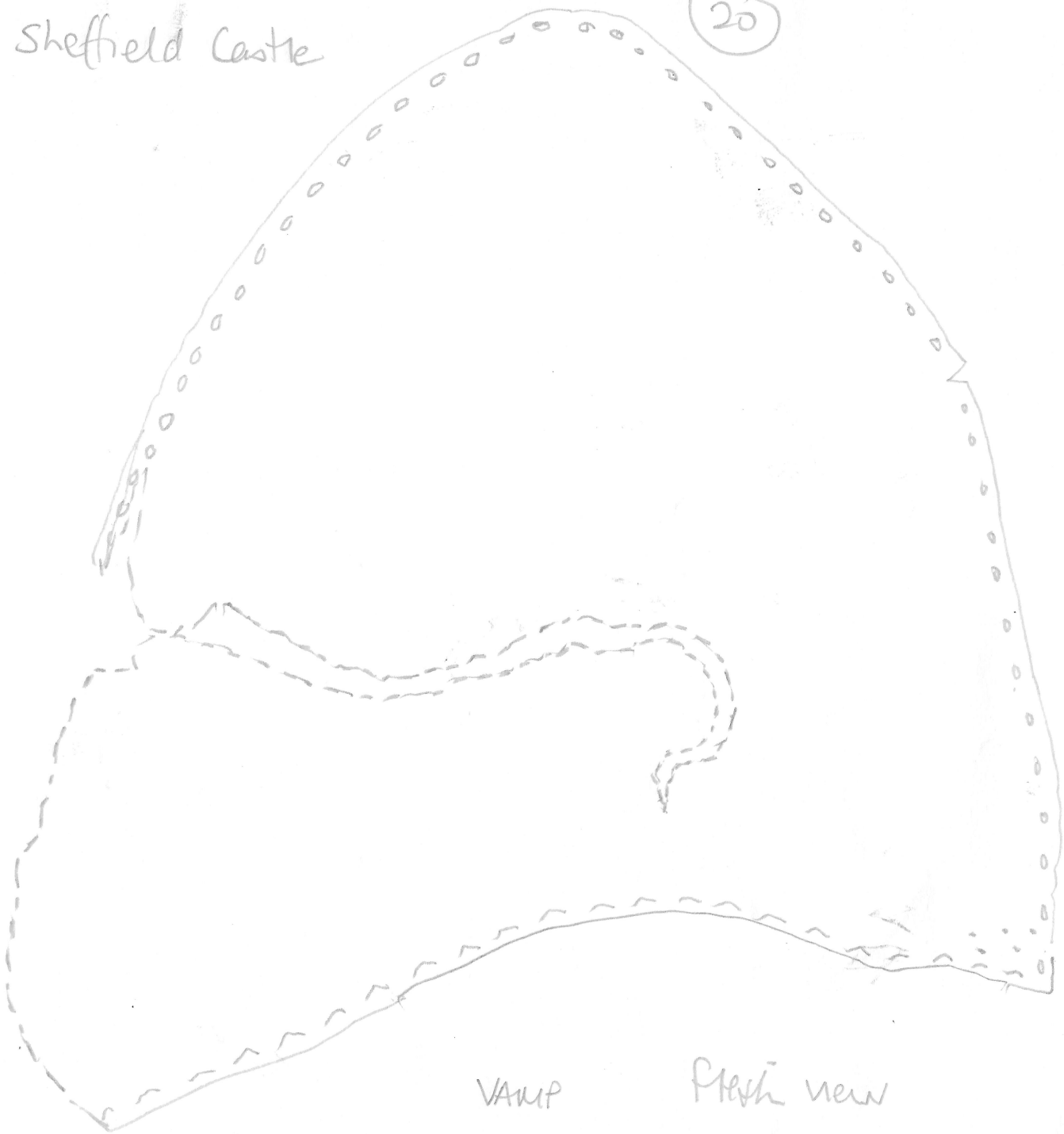
20



LEG
Plan view

Sheffield Castle

20



VAMP

Flash new

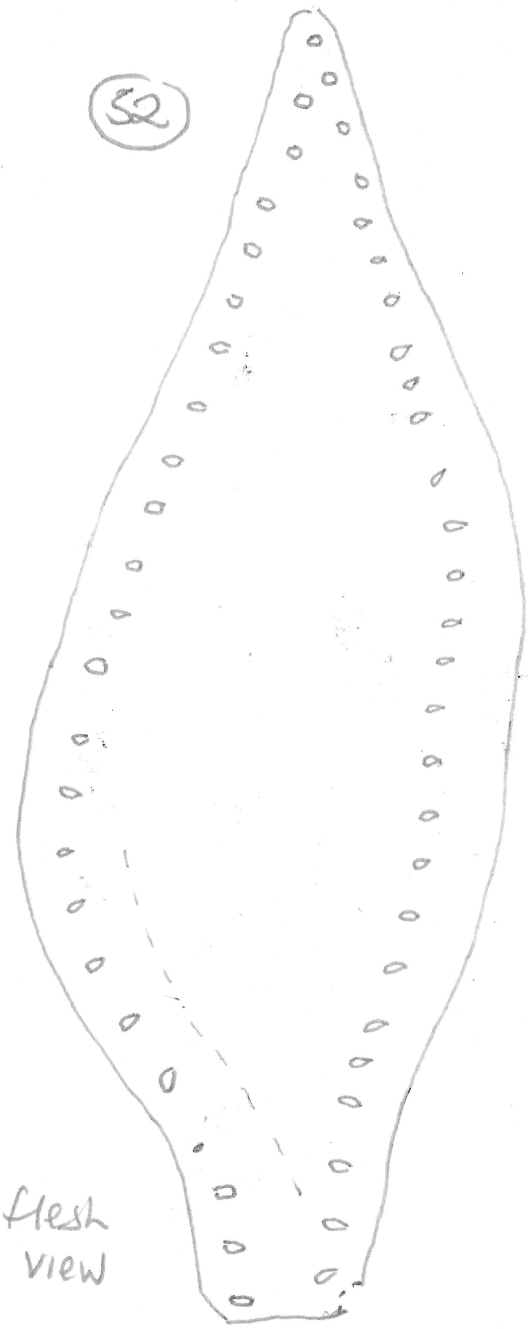
Sheffield Castle

53



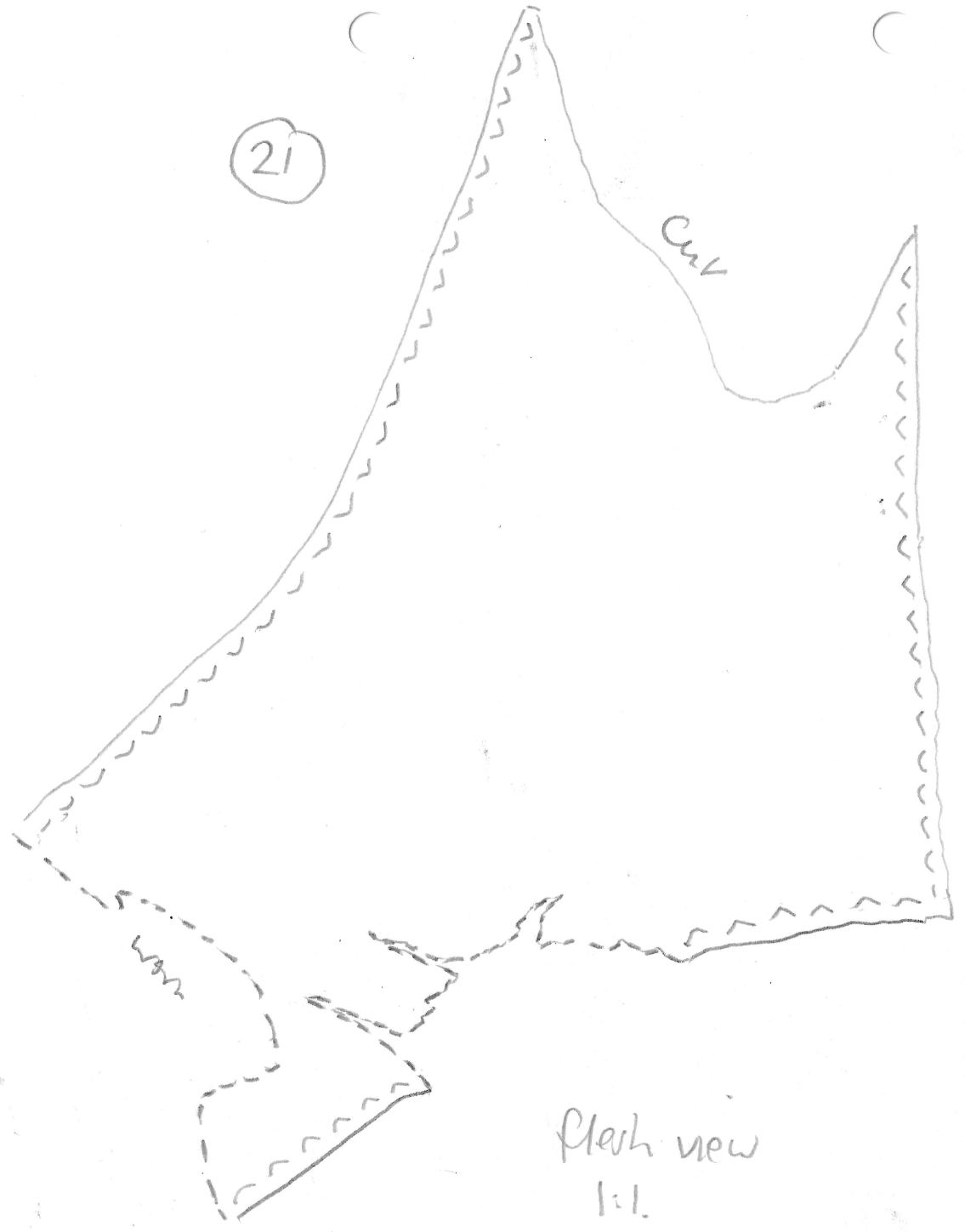
grain view

52



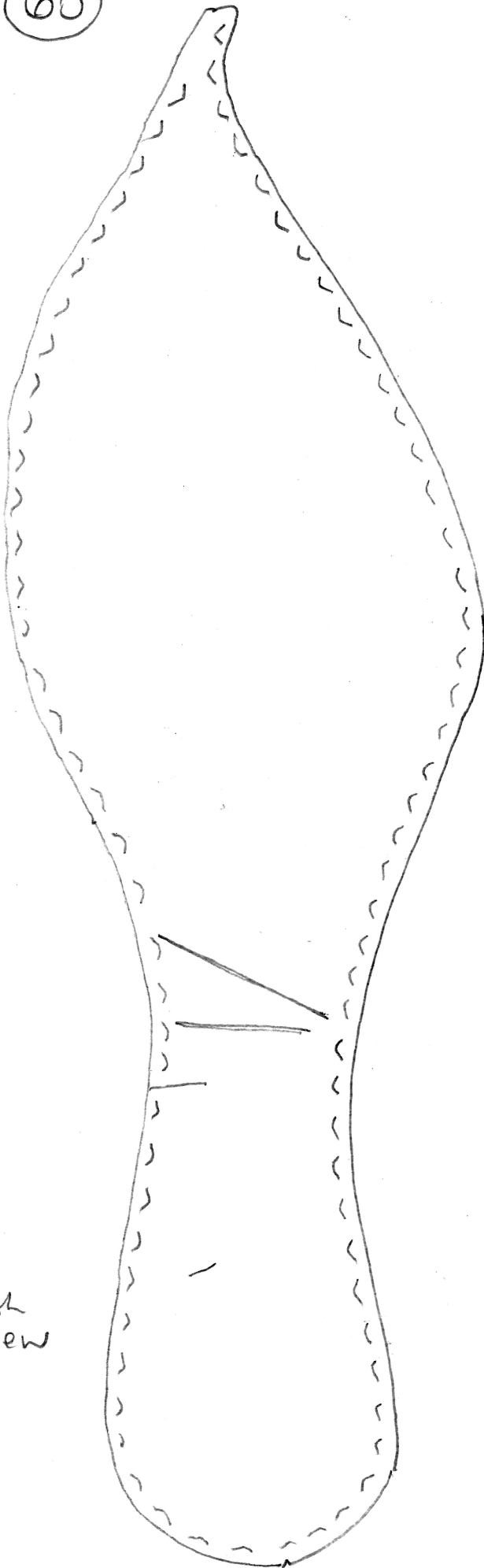
flesh view

21



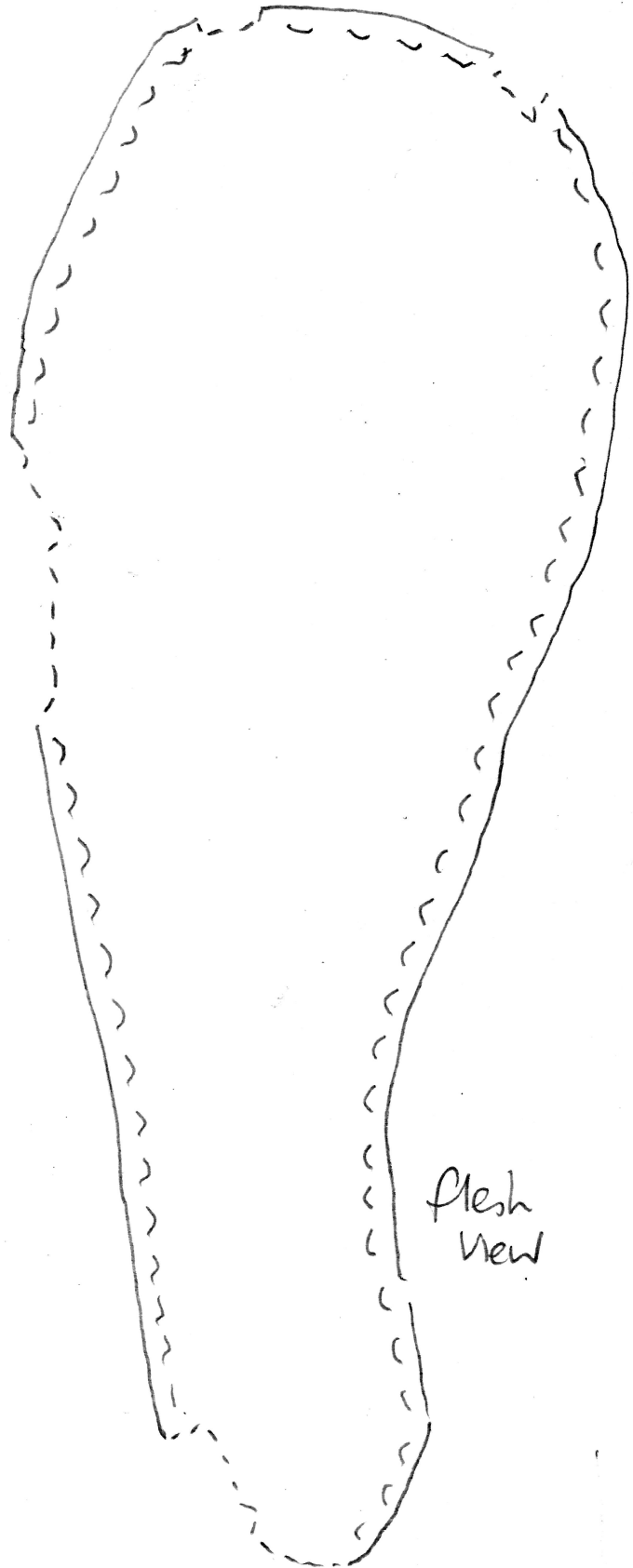
flesh view
1:1.

(60)



flesh
view

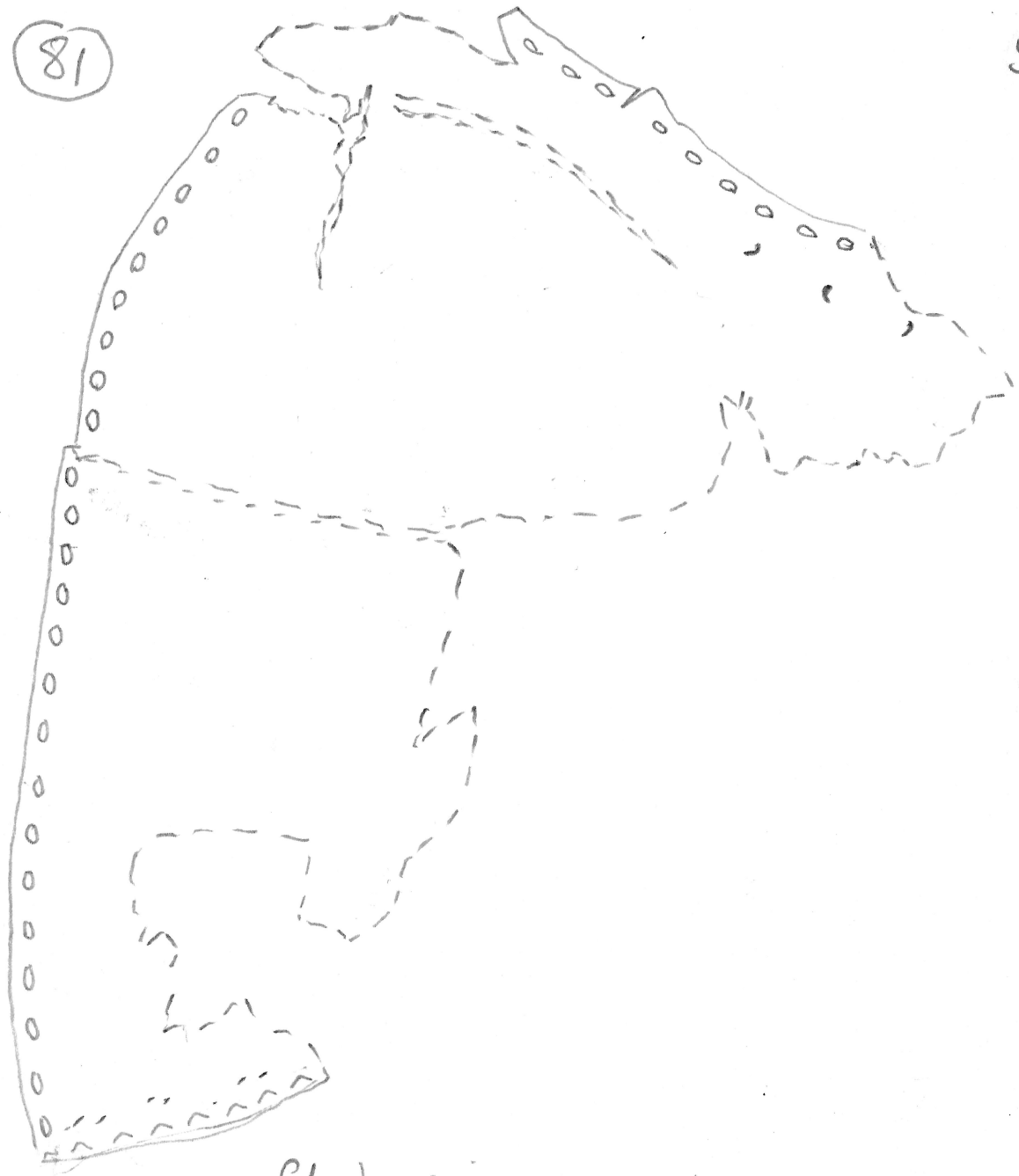
(61)



flesh
view

Sheffield Castle

81



flesh view

82

gran view

gran view

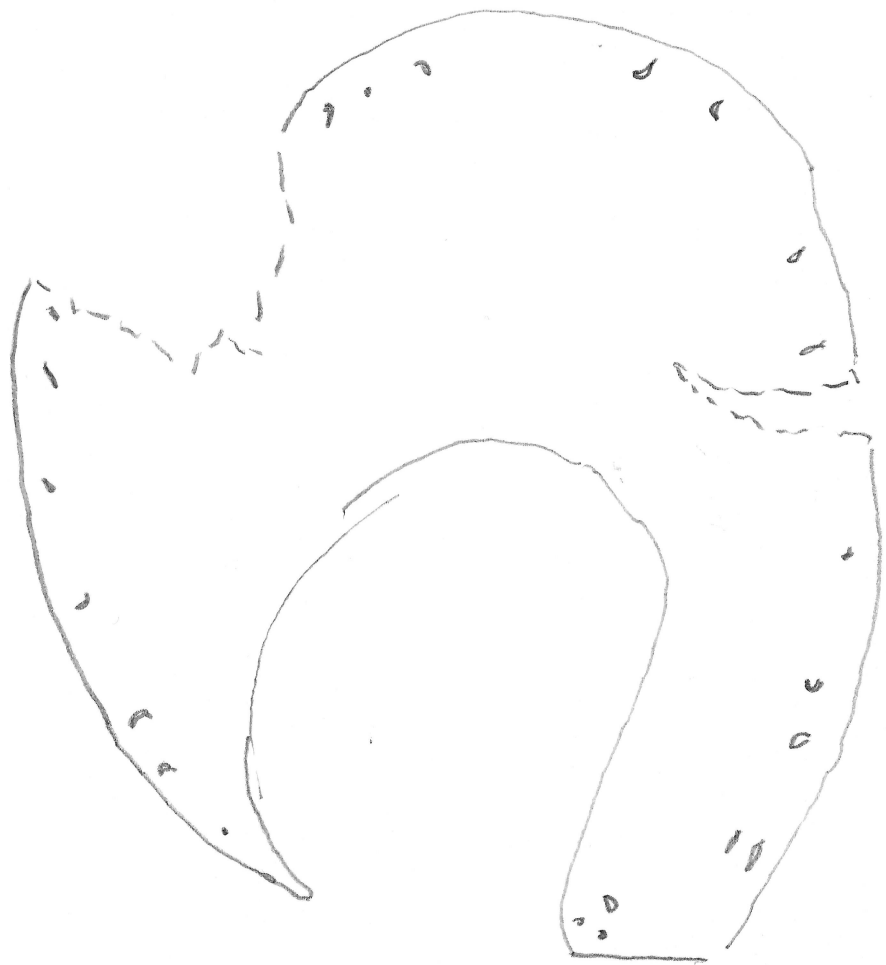


flesh view

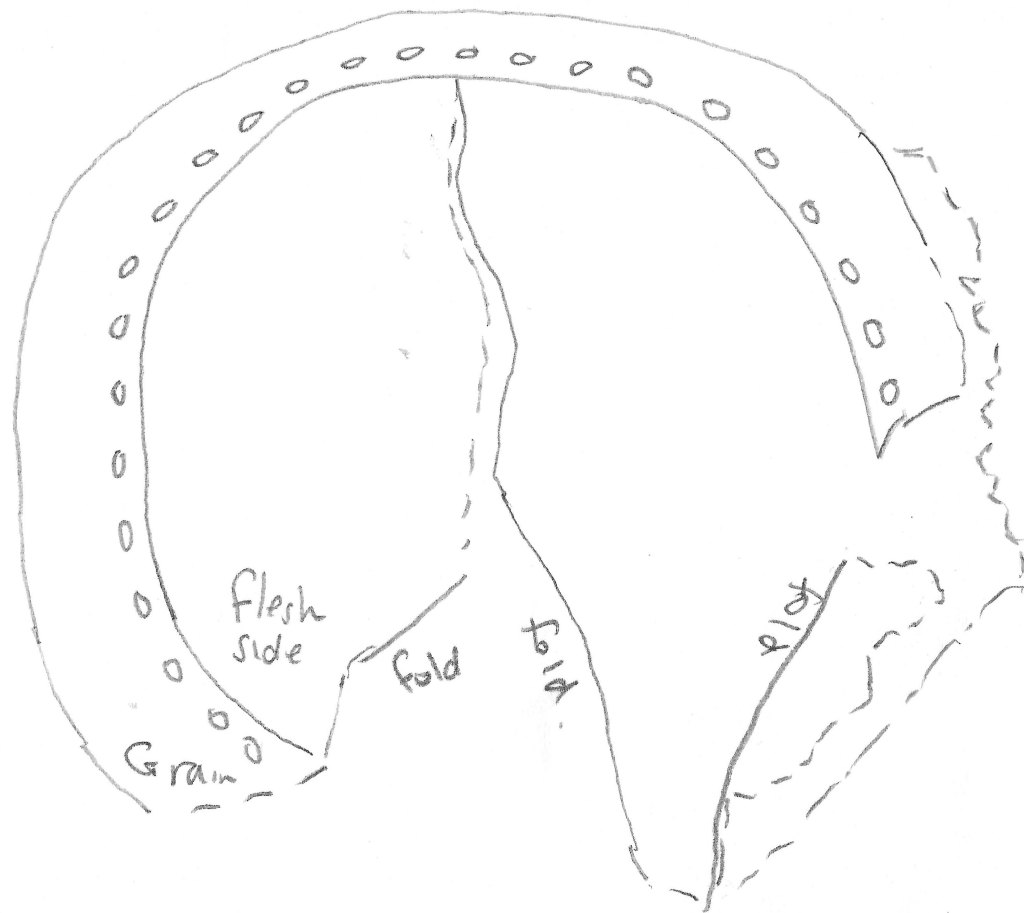
84



87

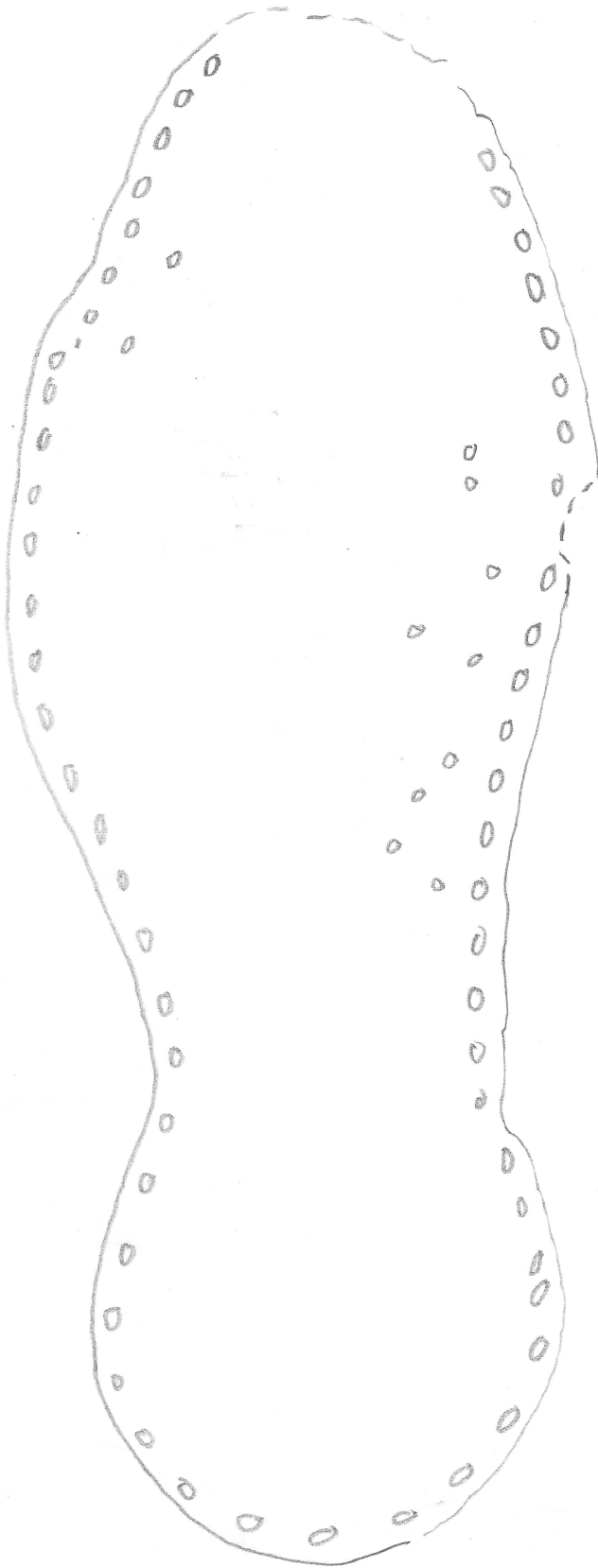


flesh view
Scale 1/1

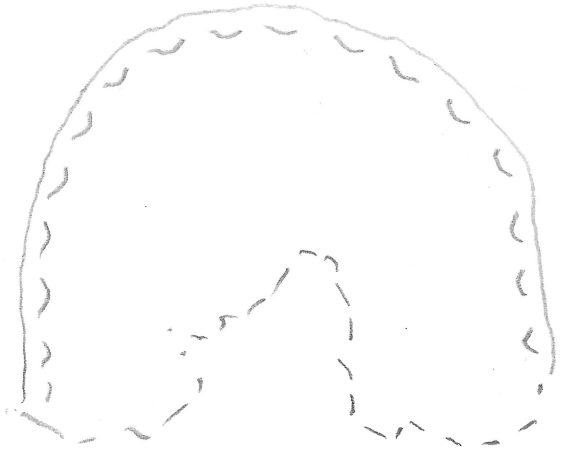


Vamp
flesh view
Scale 1/1.

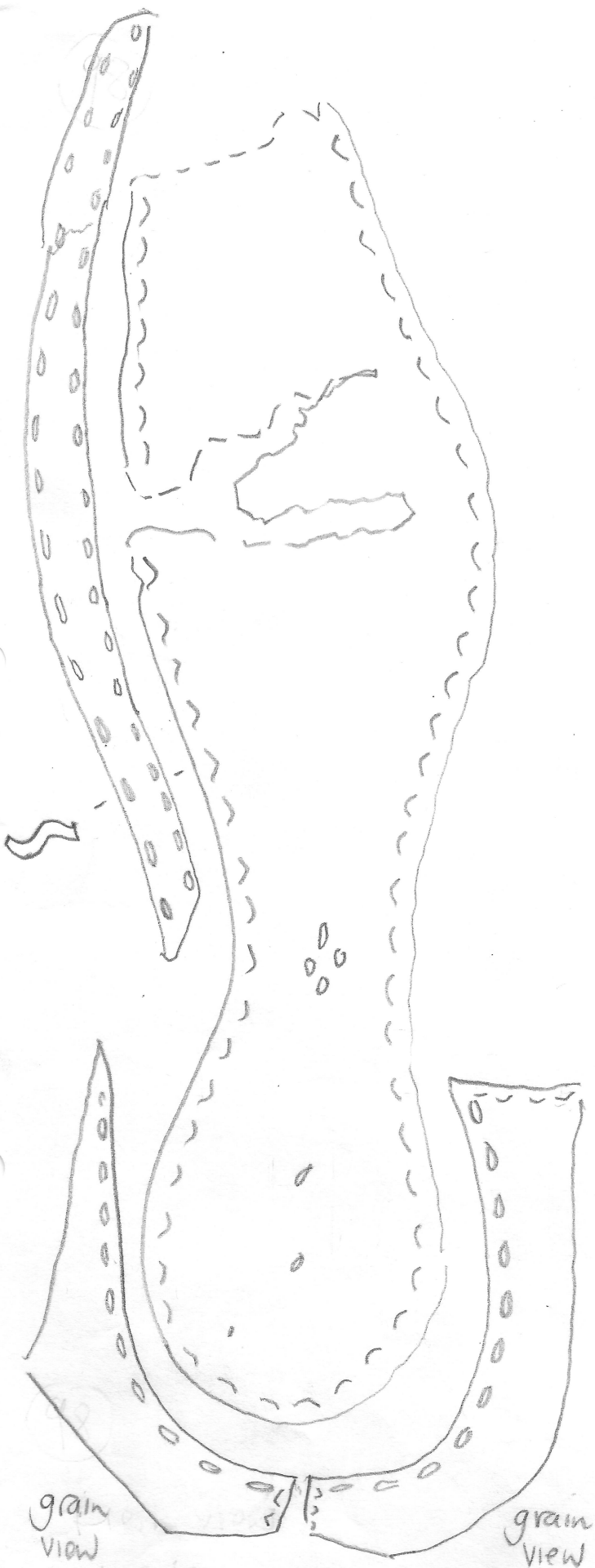
90



MIDSOLE
grain view
Scale 1:1



fresh view
insole

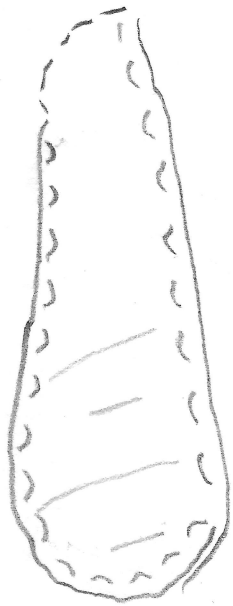


grain view

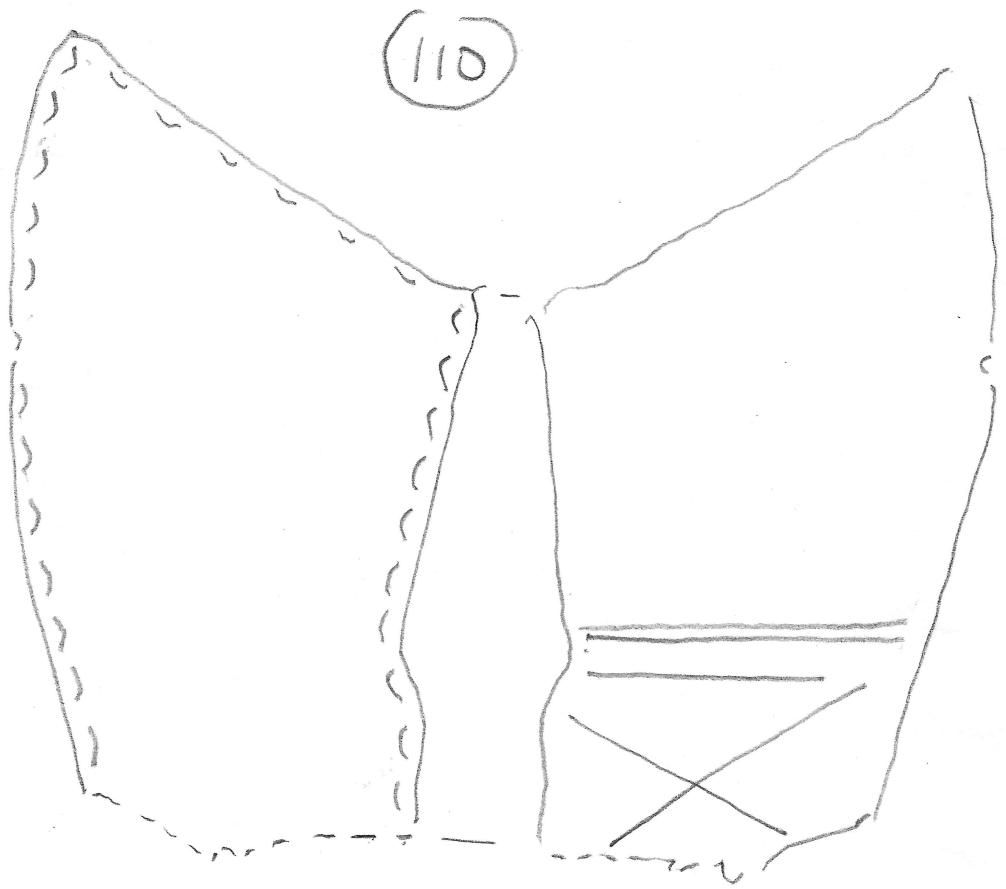
grain view

98

Insole
welt and
quarters



(108)
flesh view



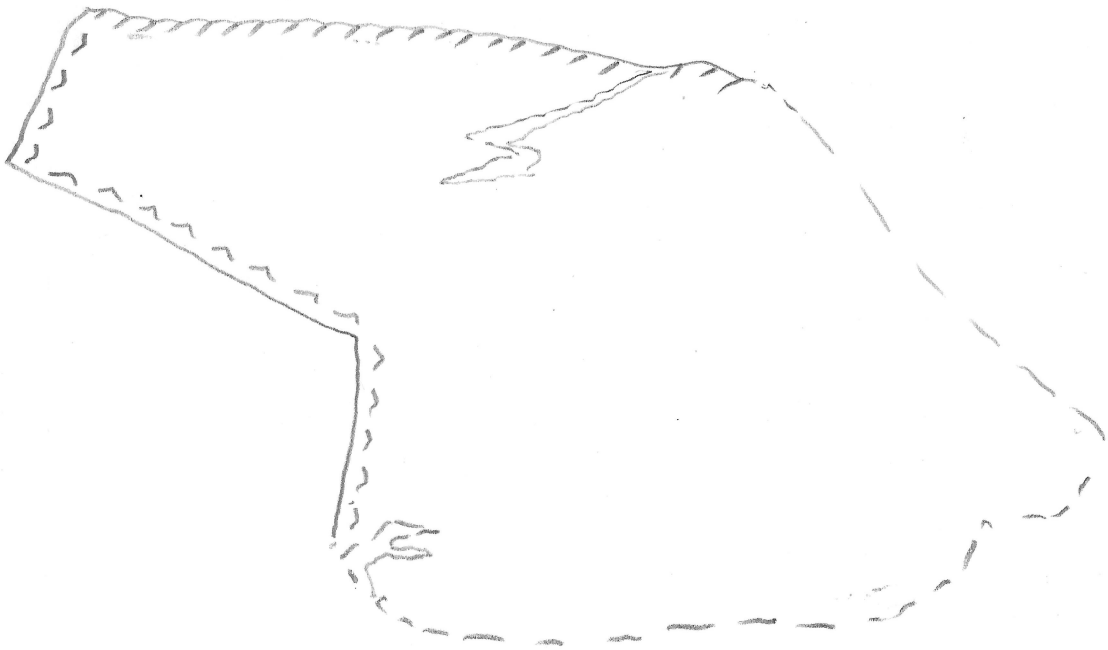
flesh view

grain view



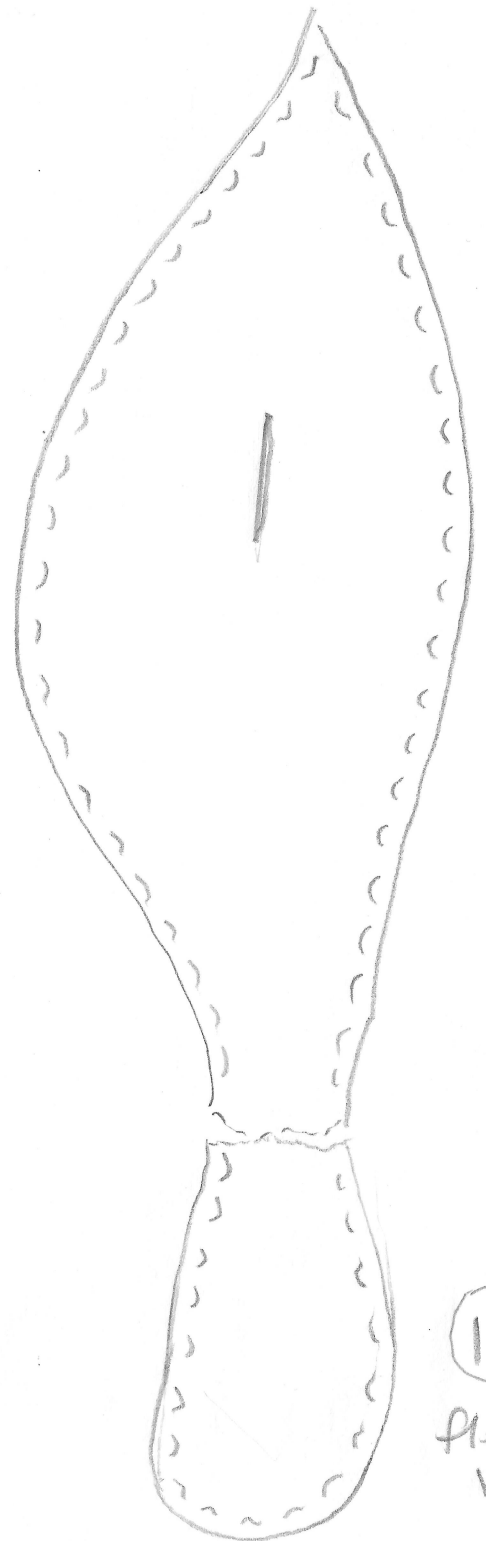
(113)
grain view

Sheffield Castle



flesh view

140



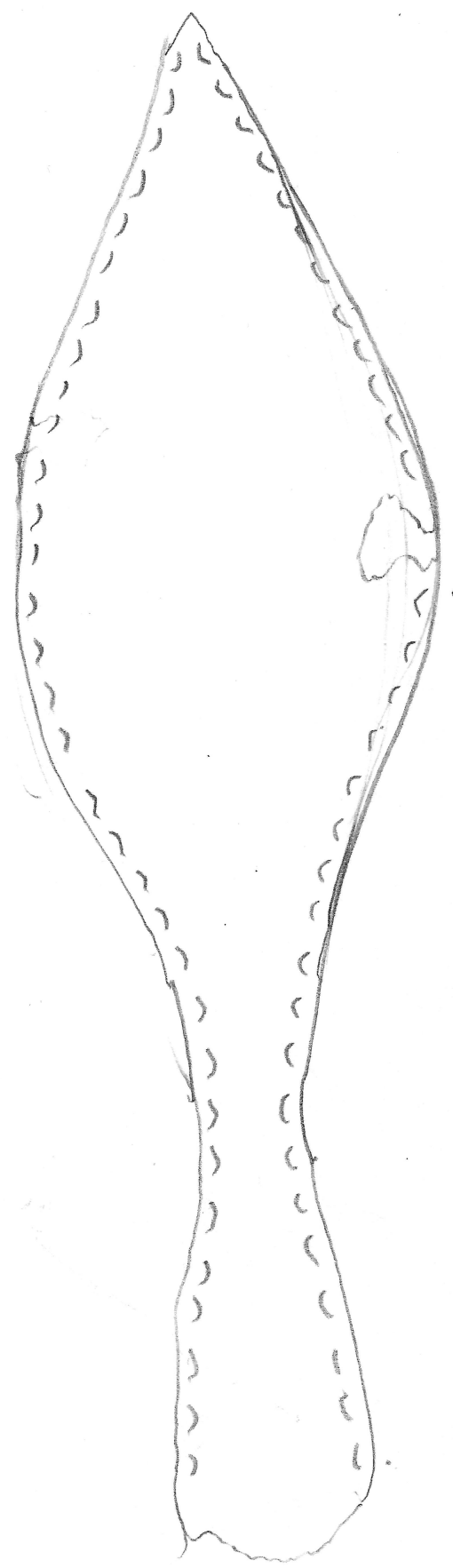
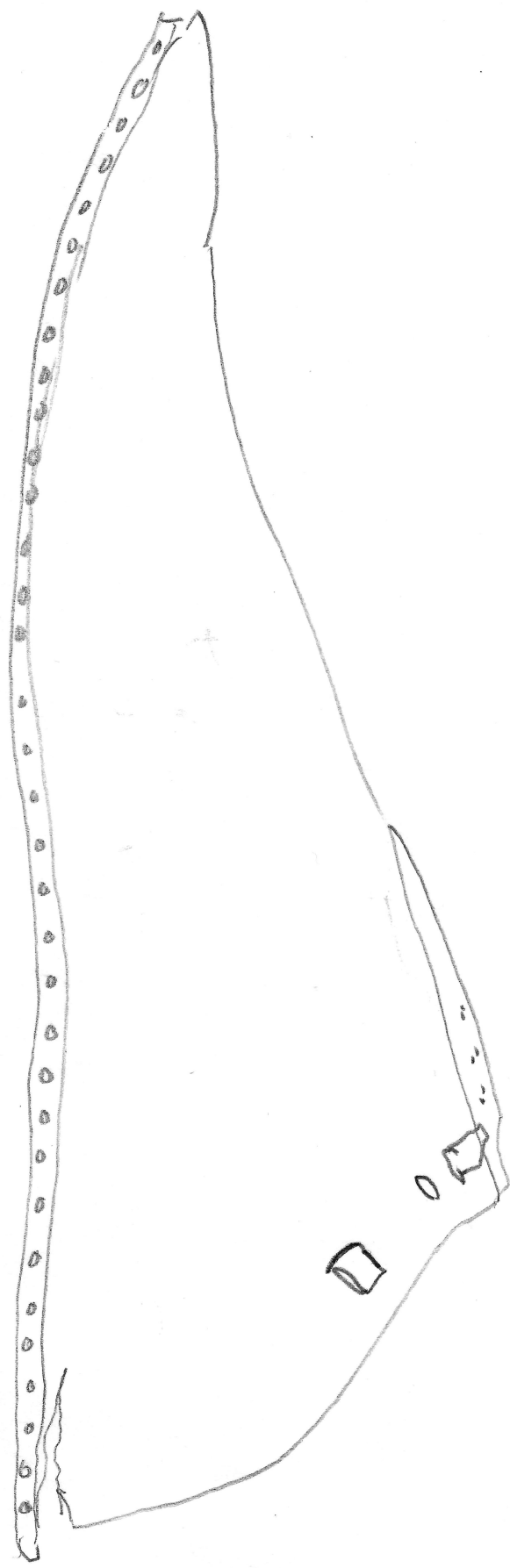
146

flesh view

171

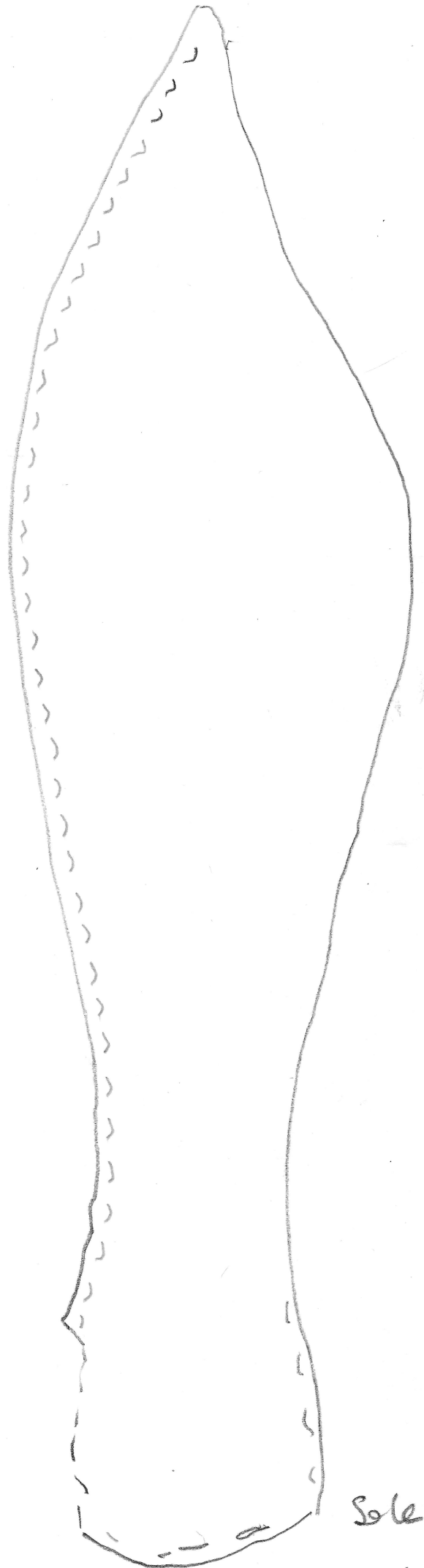
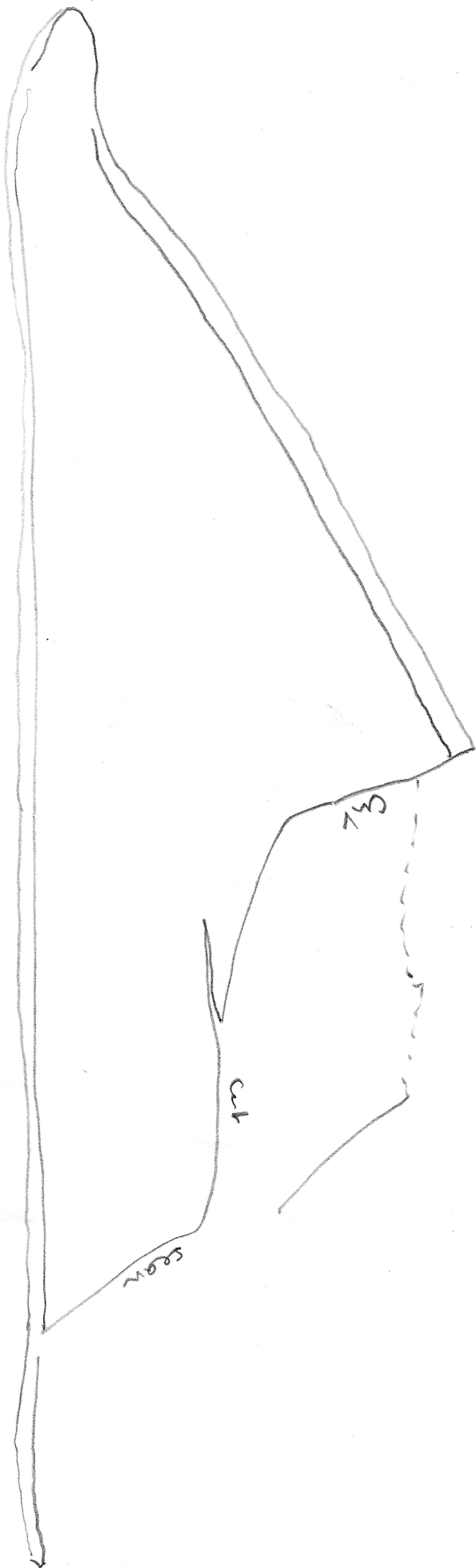
Side View

approx shape of ramp on turbine side



approx shape of sole

142 side view approx shape



Sole
approx shape.

