

CATALOGUE 6: Leather

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Tentage

1. (Fig 91) Tent panel. Seam II/III. Now approximately square, one seam complete, two incomplete. Complete edge is IIb(ii) but is reinforced at both corners by type III reinforcing strip, 100–120 mm long. This seam is met at 90° on one side by a IIIb(i) seam with extra reinforcing at the corner (second line tunnel stitches). The other end is torn away across an oval of stitches (thread impressions on flesh side). The third side is also IIIb(i) and is reinforced at the corner. There are lines of wear running across the sheet, parallel to the complete edge, some 190 mm and 340 mm from that edge.

L: 570 mm; W: +610 mm; Th: 1.5 mm
RB89 Phase 1:2; 216/7294/1

2. Infill patch, to repair fault in sheet.

L: +57 mm; W: +25 mm; Th: 1 mm
RB89 Phase 1:2; 329/7697/1

3. (Fig 91) Tent, reinforcing patch. Oval patch with large stitch holes close to edge, irregular separation. Thread impressions on grain only. Matches sheet 4.

L: 101 mm; W: +71 mm; Th: 1 mm
RB89 Phase 1:2; 345/8326/1

4. (Fig 91) Tent panel. Torn fragment. Folded and crumpled. Curved stitch line matches patch 3. Differential wear suggests patch in place when deposited.

L: +233 mm; W: +70 mm; Th: 1 mm
RB89 Phase 1:2; 345/8326/3

5. (Fig 92) Tent panel. Seam II/III. Narrow torn strip with type IIb(ii) seam. Very neat stitches, *c* 2 mm separation, only 5 mm from edge. At one end it turns into a type III seam, reinforced by fragment. Associated with 6.

1/ L: +562 mm; W: +158 mm; Th: 1.5 mm
2/ L: +288 mm; W: +76 mm; Th: 1.5 mm
3–4/ L: +158 mm; W: +100 mm; Th: 1.5 mm
RB89 Phase 1:2; 367/8261/1–4

6. Tent, reinforcing strip. Seam II/III. Type III(ii) reinforcing strip with deep V–notch at one end. II/III seam. Associated with 5.

L: +117 mm; W: 33–35 mm; Th: 1 mm
RB89 Phase 1:2; 367/8261/5

7. Tent, hem binding. Seam IVb. Short length hem binding strip.

L: +127 mm; W: 21–23 mm; Th: 1 mm
RB89 Phase 1:2; 367/8264/1

8. Tent panel Seam III. Large torn fragment with only *c* 90 mm seam remaining. Probably IIIb but type of tunnel stitches not clear, badly damaged.

L: +458 mm; W: +226 mm; Th: 1.5 mm
RB89 Phase 1:2; 368/8300/1

9. Tent panel. Seam IVb. Large irregular torn fragment with only short length of seam surviving. Seam has two parallel lines stitches and no thread impressions; it is probably a bound hem. Differential preservation corroborates this. A curving line of stitches with no thread impressions probably marks corner reinforcement.

RB89 Phase 1:2; 405/3007/1

10. Tent, panel? Seam NR. Probably tentage. NRA(ii) seam, torn along tunnel stitches.

L: 78 mm; W: 45 mm; Th: 1 mm
RB89 Phase 2:2; 107/4589/6

11. Tent, reinforcing strip. Seam NR. NR(ii) reinforcing strip. Thread impressions on grain side. Small even stitches *c* 3 mm separation. Panel edge impression on grain side.

L: +105 mm; W: 16.5 mm; Th: 1 mm
RB89 Phase 2:2; 107/4589/24

12. (Fig 91) Tent panel. Seam III. Two joining fragments. Type IIIa(i) seams on three sides, fourth missing. Torn and folded prior to deposition. Folds worn. Associated with 14 and 15.

L: 604 mm; W: +184 mm; Th: 1.5 mm
RB89 Phase 2:2; 124/1568/4–5

13. (Fig 91) Tent, reinforcing patch. Rough–edged patch, possibly skived. Curved edge has vertical slash stitches, approximately parallel, *c* 8 mm in, *c* 7 mm separation. Thread impressions on grain side. Second row of stitches perpendicular to edge. Folded prior to deposition.

L: +115 mm; W: 100 mm; Th: 1.5 mm
RB89 Phase 2:2; 124/1568/6

14. Tent panel. Seam beaded? Torn fragment. Possibly a short length of beaded seam.

Associated with 12 and 15.
L: mm; W: mm; Th: 1 mm

- RB89 Phase 2:2; 124/1568/7
15. Tent panel. Seam III. Torn fragment, almost shredded. 90° corner of panel survives. Beaded? seam meets IIIb(i). Associated with 12 and 14.
L: +375 mm; W: +230 mm; Th: 1 mm
RB89 Phase 2:2; 124/1568/8
16. Tent, reinforcing strip. Seam III. Type III(i) reinforcing strip.
L: +50 mm; W: 23 mm; Th: 1 mm
RB89 Phase 2:2; 124/1568/27
17. Tent, reinforcing strip. Seam III. Type III(i) reinforcing strip.
L: +74 mm; W: 24 mm; Th: 1 mm
RB89 Phase 2:2; 124/1568/28
18. Tent? reinforcing patch. Half oval – pentagonal reinforcing patch. Appliqué. Small even separation stitches round curved edge, thread impressions on grain side. Single line stitches runs across patch diagonally, thread impressions on grain side. Straight edge has diagonal slash stitches, no thread impressions but discoloured/differential wear. Beaded? Bound?
L: 104 mm; W: +153 mm; Th: 1 mm
RB89 Phase 2:2; 124/1568/29–31
19. (Fig 92) Tent panel. Seam III. Hem VI. Panel fragment. 90° corner, IIIb(i) meets VI hem, remainder torn. Hem roughly oversewn, barely turned over, very wide separation stitches.
L: +345 mm; W: +444 mm; Th: 1.5 mm
RB89 Phase 2:2; 124/2774/1
20. (Fig 92) Tent, infill patch. Seam IVb. Torn half-oval patch from reinforcing a poor skin. Itself poor. One end missing. Whipped repair. Appears to repair IVb seam. Thread impressions on flesh side.
L: +230 mm; W: 68 mm; Th: 1.5 mm
RB89 Phase 2:2; 124/2774/2
21. Tent? panel? Seam III. Torn fragment. IIIb(i) seam survives for a very short distance. Also curving line of stitches. Very poor condition.
L: +97 mm; W: +62 mm; Th: 1 mm
RB89 Phase 2:2; 124/2774/6
22. Tent panel. Seam III. Small fragment of IIIa(i) seam edge.
L: +132 mm; W: +57 mm; Th: 1 mm
RB89 Phase 2:2; 124/2774/7
23. (Fig 92) Tent, reinforcing strip. Seam III. Reinforcing strip type III(i) seam. One end a sewn join.
L: +106 mm; W: 29 mm; Th: 1 mm
RB89 Phase 2:2; 124/2774/10
24. (Fig 92) Tent, reinforcing strip. Seam III. Reinforcing strip type III(i) seam. Irregular and doubled stitches suggest repairs.
L: +235 mm; W: 29 mm; Th: 1 mm
RB89 Phase 2:2; 124/2774/11–12
25. (Fig 92) Tent, hem binding. Seam IVb. Hem binding strip, type IVb. Thread impressions on grain side.
L: +204 mm; W: 46 mm; Th: 1.5 mm
RB89 Phase 2:2; 124/2774/13–14
26. (Fig 93) Tent panel. Seam III, NR or Beaded. Hem VI. Torn panel, three sides survive. Base and one angled corner are VI hem, carefully carried round a corner. Would meet type IIIa(ii) seam at 90° but corner torn. IIIa seam in turn meets either NRb or most likely beaded seam (stitches *c* 6 mm separation) at 90°. Corner cut across at *c* 45° and infilled. Small neat stitches *c* 1.5 mm separation and skived edge. Tunnel stitches of type III seam do not continue into corner, no thread impressions. Torn tunnel stitches at end of type VI hem return suggest a further seam and thus that panel is almost complete. Small round hole in sheet patched, thread impressions on flesh side.
L: 494 mm; W: +404 mm; Th: 2 mm
RB89 Phase 2:2; 124/6866/1
27. Tent bead strip. Seam beaded. Bead strip from within beaded seam. Associated with 28 and 29.
L: +43 mm; W: 20 mm; Th: 1 mm
RB89 Phase 2:2; 124/6913/2
28. Tent panel. Seam beaded. Short length of panel edge, beaded seam. Irregular and varied stitches, *c* 5–12 mm separation. Associated with 27 and 29
L: +110 mm; W: +62 mm; Th: 1 mm
RB89 Phase 2:2; 124/6913/3
29. Tent, reinforcing strip. Seam Beaded. Beaded seam association. Associated with 27 and 28.

L: +90 mm; W: 25 mm; Th: 1 mm
RB89 Phase 2:2; 124/6913/5

30. Tent panel. Seam NR. Torn and cut fragment, seamed. Cut away NRb(ii) seam edge. Very wrinkled. Associated with 31–6.
L: +127 mm; W: +32 mm; Th: 1 mm
RB89 Phase 2:2; 259/9580/1

31. (Fig 93) Tent panel. Seam NR. Three, probably four, joining fragments. Torn and cut fragment, seamed. NRa(ii) seam edge, pulled and wrinkled. Thread grain side. Stitches *c* 3–4 mm separation. Panels cut along seam prior to deposition. Large tear repaired with type I seam. Thread impressions indicate tacking, irregular stitches *c* 7–12 mm separation. Associated with 30, 32–6.
2/ L: +168 mm; W: +79 mm; Th: 1 mm
5/ L: +238 mm; W: +173 mm; Th: 1 mm
6/ L: +159 mm; W: +87 mm; Th: 1.5 mm
7/ L: +169 mm; W: +170 mm; Th: 1 mm
RB89 Phase 2:2; 259/9580/2,5,6, 7

32. Tent panel. Triangle of sheet, probably cut from panel. Associated with 30–1, 33–6.
L: +89 mm; W: +90 mm; Th: 1 mm
RB89 Phase 2:2; 259/9580/3

33. Tent panel. Seam NR. Torn and cut fragment. NRb(ii) seam. Cut away along seam. Associated with 30–2, 34–6.
L: +121 mm; W: +72 mm; Th: 1 mm
RB89 Phase 2:2; 259/9580/4

34. Tent panel. Seam NR. Short length NRa(i) seam. Appears to differ from others in having (i) type tunnel stitches. Associated with 30–3, 35–6.
L: +147 mm; W: +138 mm; Th: 1 mm
RB89 Phase 2:2; 259/9580/8

35. (Fig 93) Tent, reinforcing strip. Seam NR. NR(ii) reinforcing strip. One end cut across. Associated with 30–4 and 36.
L: +90 mm; W: +16 mm; Th: 1.5 mm
RB89 Phase 2:2; 259/9580/9

36. (Fig 93) Tent, reinforcing strip. Seam NR. Reinforcing strip. Very thin. Thread impressions on grain side. Both ends torn. Wrinkled. Panel impressions on flesh side. Associated with 30–5.
L: +141 mm; W: 13 mm; Th: 0.5 mm
RB89 Phase 2:2; 259/9580/10

37. (Fig 93) Tent panel. Seam II, III. Corner fragment, two seams at 90°. One edge is II/IIIa(ii), reinforced in corner. Very small fine stitches *c* 2–3 mm separation.
L: +298 mm; W: +150 mm; Th: 1.5 mm
RB89 Phase 2:2; 259/9641/1

38. (Fig 93) Tent, reinforcing strip. Seam II, III. Type III reinforcing strip with cut/indent end. Torn along centre row of stitches, giving false edge. 37.
L: 119 mm; W: 19 mm; Th: 1 mm
RB89 Phase 2:2; 259/9641/2

39. (Fig 93) Tent panel. Seam NR.. Panel, badly damaged. Short length NRa(i) seam in association with NR reinforcing strip. Close to this seam are several close, short parallel cuts, and at 90° to them, a line of torn-out stitches. At opposite end a series of small irregular stitches suggests a patch or repair – possibly sub-rectangular.
L: +410 mm; W: +122 mm; Th: 1 mm
RB89 Phase 2:2; 427/1565/1

40. (Fig 93) Tent, reinforcing strip. Seam NR. Short length NR(ii) reinforcing strip.
L: +73 mm; W: 16 mm; Th: 1 mm
RB89 Phase 2:2; 427/1565/2

41. Tent, reinforcing strip. Seam NR (ii). Tapers to a point at one end, not clear if torn or cut.
L: +124 mm; W: 16 mm; Th: 1 mm
RB89 Phase 2:2; 427/1565/3

42. Tent, reinforcing strip. Seam NR. Short length NR(ii) reinforcing strip.
L: +173 mm; W: 10–13 mm; Th: 1 mm
RB89 Phase 2:2; 427/1565/5

43. Tent, reinforcing strip. Seam NR. Short length NR(ii) binding strip.
L: +147 mm; W: 19 mm; Th: 1 mm
RB89 Phase 2:2; 427/1565/6

44. Tent, reinforcing strip. Seam NR. Short length NR(ii) binding strip.
L: +171 mm; W: 13–17 mm; Th: 1 mm
RB89 Phase 2:2; 427/1565/8

45. (Fig 93) Tent, reinforcing patch. Seam beaded. Corner of triangular or trapezoidal appliqué panel. Cut across for recycling. Two

sides meet at 90° – both have two parallel lines neat stitches, one close to edge (c.1 mm) the other 16 mm in. Both stitches c 2.5 mm separation. Thread impressions on grain side. Intact side meets NR or beaded seam (no thread impressions, stitches c 10 mm separation) at angle. 90 mm along this are two curving rows of stitches, different separations, different arc, outer one possibly oval. Third row of stitches within inner curve has series of cuts, pulled and distorted. Sewn into seam, possibly from corner of junction of roof, gable and wall, with guy ropes.
L: 200 mm; W: +104 mm; Th: 1 mm
RB89 Phase 2:2; 427/1565/10

46. (Fig 94) Tent panel. Seam NR. Five joining fragments: /15 forms 90° corner with two NRa(ii) seams. Shredded. Thread impressions on flesh side. At widest point of the irregular strip are slash stitches, all parallel to the seam edge but they form a row at <90° angle to it. Begin inside the seam. No thread impressions but distortion suggests a thick thread or thong tacking. Fragment /11 is clearly part of the same panel but cannot be refitted.
11/ L: +166 mm; W: +62 mm; Th: 1 mm
12–16/ L: +540 mm; W: +120 mm; Th: 1 mm
RB89 Phase 2:2; 427/1565/11,15–16

47. Tent panel. Seam NR. Short length of seam possibly NR (no thread impressions, no tunnel stitch-es). Torn after folding. Slashed.
L: +256 mm; W: +128 mm; Th: 1.5 mm
RB89 Phase 2:2; 541/1566/1

48. Tent panel. Seam NR. Panel edge fragment, probably NRb(ii), but too badly damaged to be certain. Associated with 49 and 50.
1/ L: +180 mm; W: +72 mm; Th: 1 mm
2/ L: +210 mm; W: +115 mm; Th: 1.5 mm.
Torn fragment.
4/ L: +50 mm; W: +17 mm; Th: 1 mm. Torn fragment.
5/ L: +68 mm; W: +68 mm; Th: 1 mm. Torn fragment.
RB89 Phase 2:2; 727/2366/1–2, 4, 5

49. Tent, reinforcing strip. Seam NR. Short length NR(ii) reinforcing strip. Associated with 48 and 50.
L: +133 mm; W: 16 mm; Th: 1 mm
RB89 Phase 2:2; 727/2366/3

50. Sheet. Seam NR. Torn and cut fragment, torn along NRa(ii) seam.
L: +162 mm; W: +17 mm; Th: 1 mm
RB89 Phase 2:2; 727/2366/6

51. Tent panel. Seam NR. Torn and cut fragment. One NRb seam, 156 mm long. No thread impressions but compressed. Neat, close separation stitches 2 mm, 3 mm from edge.
L: +210 mm; W: +170 mm; Th: 1 mm
RB89 Phase 2:2; 727/2368/1–2, 8, 9, 11

52. Tent, reinforcing strip. Seam NR. Damaged fragment NR reinforcing strip, only one side remains.
L: +134 mm; W: +11 mm; Th: 1 mm
RB89 Phase 2:2; 727/2368/10

53. Tent, panel. Small fragment seamed edge. Type IIIa(i). Matches 54.
L: 85 mm; W: 24 mm; Th: 1 mm
RB89 Phase 2:2; 743/3026/1

54. Tent, edge binding. Short length type III(i) strip. Matches 53.
L: 128 mm; W: 37 mm; Th: 1.5 mm
RB89 Phase 2:2; 743/3026/2

55. (Fig 93) Tent, infill patch. Seam NR. Reinforcing infill patch – lunate, applied flesh side. Thread impressions on flesh side. Increasing in NRa(ii) seam panel. Patch inserted before reinforcing strip. Panel deliberately cut across seam. Associated with 56 and 57.
L: 84 mm; W: 23 mm; Th: 1 mm
RB89 Phase 2:2; 746/3426/1

56. (Fig 93) Tent panel. Seam NR. Patched panel fragment. NRb(i) seam and reinforcing patch. Associated with 55 and 57.
L: +180 mm; W: +49 mm; Th: 1.5 mm
RB89 Phase 2:2; 746/3426/3

57. (Fig 93) Tent, reinforcing strip. Seam NR.. NR(i) reinforcing strip, Thread impressions on flesh side. Associated with 55 and 56.
L: +190 mm; W: 23 mm; Th: 1 mm
RB89 Phase 2:2; 746/3426/4

60. (Fig 93) Tent, panel? Seam III. Corner fragment. Two short fragments seam at 90°. One very fine, c 1 mm separation stitches. Probably IIIb(ii). Tunnel stitches not clear but line of reinforcing strip clear. Joins a IIIa(ii)

seam, now much damaged. A slightly wandering line of irregularly spaced stitches runs at 45° from the corner. Thread impressions on flesh side.

L: +133 mm; W: +92 mm; Th: 1.5 mm
RB89 Phase 2:2; 756/3421/8

61. (Fig 94) Tent panel. Hem Va. Very fragmentary panel with Va hem. Thread impressions on both sides. Small area of numerous cuts.

16/ L: +95 mm; W: +100 mm; Th: 1 mm
20/ L: 60 mm; W: 47 mm; Th: 1 mm
22/ L: +110 mm; W: +125 mm; Th: 1 mm
23/ L: +92 mm; W: +51 mm; Th: 1 mm
24/ L: +47 mm; W: +16 mm; Th: 1 mm
25–26/ L: +463 mm; W: +214 mm; Th: 1.5 mm
RB89 Phase 3; 174/1558/16, 20, 23–26

62. Tent panel. Seam NR? Torn fragment, b element. Differential preservation along seam. No tunnel stitches, no thread impressions.

L: +126 mm; W: +59 mm; Th: 1 mm
RB89 Phase 3; 174/9828/7

63. (Fig 94) Tent panel. Seam NR, beaded. Triangular panel. Two seams meet at 90°, one is probably NRb stitches 6 mm separation, the other NR(?)a, 3–4 mm separation. The third seam, the hypotenuse, is probably beaded, wide separation 20 mm, irregular, paired stitches. Gable panel.

L: +403 mm; W: 275 mm; Th: 1.5 mm
RB89 Phase 3; 205/1559/1–2

64. Tent? hem binding. Seam IVa. Narrow uneven strip, folded. Three lines of stitches, two derive from IVa? hem. Thread impressions on both grain surfaces. Stitches *c* 11 mm separation. One edge carefully cut on outside, on inside probably hide-edge and thus uneven. A third row of widely-spaced stitches on inner edge *c* 9 mm separation – no thread impressions. Associated with 65–70, 72.

W: 84 mm; Th: 1.5 mm
RB89 Phase 3; 209/3417/3

65. Tent? reinforcing patch Seam I. Lunate fragment. One edge carefully folded, curved with even stitches, type I? Thread impressions on flesh side. Associated with 64, 66–70, 72.

L: +152 mm; W: +36 mm; Th: 1.5 mm
RB89 Phase 3; 209/3417/6

66. Tent? panel. Seam NR. Small cut and torn fragment. NRa(i) seam meets IVa hem at 90°. Very neat, even, carefully-folded seam stitches *c* 6 mm separation, thread impressions not clear. No thread impressions on bound edge.

Associated with 64–6, 67–70, 72.

Th: 1 mm

RB89 Phase 3; 209/3417/7

67. Tent? hem binding. Seam IVa. Narrow uneven strip, folded. Lines stitches, two form IVa hem. Thread impressions on grain surface, stitches 11 mm separation. One edge carefully cut, other hide-edge. Third row of widely spaced stitches on inner edge *c* 9 mm above, no thread impressions. Associated with 64–6, 68–70, 72.

L: 105 mm; W: +24 mm; Th: 1.5 mm

RB89 Phase 3; 209/3417/8

68. Tent? panel. Seam IVa. Torn triangular fragment with IVa hem on edge. No thread impressions. Impression binding /33 clear on flesh side. Associated with 64–7, 69–70, 72.

L: +128 mm; W: +84 mm; Th: 1.5 mm

RB89 Phase 3; 209/3417/9

69. Tent, hem binding. Hem IVa. Short length binding strip. Associated with 64–8, 70 and 72.

L: +72 mm; W: +35 mm; Th: 1.5 mm

RB89 Phase 3; 209/3417/11

70. Tent panel. Hem IVa. Torn triangular fragment. One edge with IVa seam as /9. No thread impressions. Discoloured grain and compressed flesh side marks line of 209/3417/3 binding. Associated with 64–9 and 72.

L: +187 mm; W: +71 mm; Th: 1.5 mm

RB89 Phase 3; 209/3417/12

71. (Fig 94) Tent? reinforcing panel. Seam IVa. Triangular appliqué panel. Two sides torn and worn have lines of stitches (no thread impressions) *c* 23 mm from edge. Third side has irregular double line stitches.

L: 116 mm; W: +87 mm; Th: 1 mm

RB89 Phase 3; 209/3417/29–30

72. Tent? reinforcing strip. See 64–70.

73. (Fig 94) Tent, reinforcing strip. Seam NR. NR reinforcing strip. Thread impressions on grain side. One end cut, the other possibly also a join.

L: 51 mm; W: 17 mm; Th: 1 mm

RB89 Phase 3; 209/7253/2

74. Tent panel. Seam III. Crumpled damaged fragment with IIIa(ii) seam. Stitches 4 mm separation. Thread impressions on flesh side.
41/ L: +187 mm; W: +112 mm; Th: 1.5 mm
42/ L: +131 mm; W: +160 mm; Th: 1.5 mm
43/ L: +60 mm; W: +34 mm; Th: 1 mm
44/ L: +137 mm; W: +93 mm; Th: 1 mm
RB89 Phase 3; 209/7253/41-44

75. (Fig 94) Tent, reinforcing patch. Seam beaded. Trapezoidal panel. Applied on three edges, fourth probably bead-ed. Wide separation stitches *c* 10 mm. Two lines neat stitches in bottom left corner stitches 2-3 mm separation in C-shape, cutting off corner. Pulled and distorted, nail pushed through. Reinforcing panel from junction gable, roof and wall.
L: +159 mm; W: 120 mm; Th: 1.5 mm
RB89 Phase 3; 209/7535/1

76. Tent panel. Hem IVb. Torn and cut fragment. Probably a IVb hem. Relates to 83.
L: +170 mm; W: +44 mm; Th: 1 mm
RB89 Phase 3; 209/7611/2

77. (Fig 94) Tent, reinforcing patch. Offcut fragment, probably reinforcing patch or panel corner. Badly crumpled. All edges now cut but some not original. Some curving, irregular rows of stitches.
L: +82 mm; W: +140 mm; Th: 1 mm
RB89 Phase 3; 209/7611/5

78. Tent panel. Seam NR. Two joining fragments, torn almost all round. Only three stitches of a(ii) seam, possibly NR, survive.
L: +310 mm; W: +177 mm; Th: 1 mm
RB89 Phase 3; 209/7611/10-11

79. Tent panel, torn corner. Possibly NRb seam. Other odd stitch holes appear to curve. No clear function.
L: +62 mm; W: +42 mm; Th: 1 mm
RB89 Phase 3; 209/7611/12

80. (Fig 94) Tent, reinforcing strip. Seam NR. One whipped edge. Thread impressions on grain side, especially on unwhipped edge. Impression of b panel on flesh side. One end is original end of strip, other torn.
L: +246 mm; W: 13 mm; Th: 1.5 mm
RB89 Phase 3; 209/7611/13-14

81. (Fig 94) Tent panel. Hem VI. Torn panel fragment with whipped type VI seam along edge.
L: +268 mm; W: +160 mm; Th: 1.5 mm
RB89 Phase 3; 209/7611/16

82. Tent? panel. Long narrow torn fragment. B seam element – cut away.
L: +203 mm; W: +12 mm; Th: 1 mm
RB89 Phase 3; 209/7611/18

83. (Fig 94) Tent, hem binding. Seam IVb. Binding strip type IVb and IVa/b. Thread impressions on both sides. 8-9 mm separation, rows 8 mm separation. Relates 76.
24/ L: +177 mm; W: 36 mm; Th: 1.5 mm
25/ L: +239 mm; W: 28 mm; Th: 1.5 mm
RB89 Phase 3; 209/7611/24-25

84. (Fig 94) Tent, reinforcing patch. Rectilinear patch, three edges survive. No thread impressions on grain side. Complete edge has thread impressions on flesh side, differential wear grain side – lap seam? One seam has three rows of stitches, diagonal slash stitches close to folded edge and stitches at the fold with possibly thread impressions. The third innermost row curves, thread impressions on flesh side. A row of four stitches close to the tear has thread impressions on flesh side.
L: 136 mm; W: +91 mm; Th: 1.5 mm
RB89 Phase 3; 218/2089/1

85. (Fig 95) Tent panel. Seam III. Three sides survive, bottom of panel cut away. Complete seam is IIIb(ii), wear on grain side along line of reinforcing strip. Probably top or side of panel, oriented here as top. Lefthand seam is IIIa(ii), worn at the fold, righthand seam is IIIb(ii) and joins 86, retaining reinforcing strip 87. There does not appear to have been any reinforcing at the panel corners.
L: +400 mm; W: 410 mm; Th: 1.5 mm
RB89 Phase 3; 218/2445/1

86. (Fig 95) Tent panel. Seam III. Poorly preserved IIIa(ii) seam with reinforcing strips, impressions on flesh side. Deliberately cut up. See also 85 and 87, (small laminated fragments). Two panel association.
L: +355 mm; W: +305 mm; Th: 1.5 mm
RB89 Phase 3; 218/2445/2, /7-10

87. (Fig 95) Tent, reinforcing strip. Seam III. Type III(ii) reinforcing strip. Joins 85 and 86. Panel impressions on flesh side. Thread impressions on central row.
3/ L: +223 mm; W: 22 mm; Th: 1 mm
4/ L: +66 mm; W: 24 mm; Th: 1 mm
RB89 Phase 3; 218/2445/3-4
88. (Fig 95) Tent, reinforcing patch. Square patch, parts of all edges survive. Outer line of stitches wide separation and inner line neat slash stitches parallel. Corners joined between two rows; single diagonal and two other curving lines form opposite diagonal. No thread impressions on but neat close diagonal slash stitches have broad, shallow line. Differential wear suggests almost all covered.
1/ L: +108 mm; W: +81 mm; Th: 1.5 mm
45/ L: +105 mm; W: +38 mm; Th: 1.5 mm
RB89 Phase 3; 218/8150/1, 218/8210/45
89. (Fig 96) Tent panel. Seam III. Hem Va. Torn fragment, three edges survive, one complete Va hem. One corner with two infill patches curves round to join another fragmentary Va hem, giving two hemmed sides. Third side has a type IIIb(i) seam and the corner is, again, replaced by an infill patch. This seam shows differential wear and compression marking the line of the reinforcing strip. Two bands of wear/discoloration about 100 mm wide cross the panel from edge to edge, half way along the sides, suggesting, perhaps, that the panel was stretched across a wooden frame. One infill patch survives as 90.
L: +520 mm; W: +520 mm; Th: 1.5 mm
RB89 Phase 3; 218/8193/1, 218/8206/1
90. (Fig 96) Tent, reinforcing patch. Small infill patch.
L: 96 mm; W: 47 mm; Th: 1 mm
RB89 Phase 3; 218/8206/2
91. (Fig 94) Tent, reinforcing patch. Sub-circular stitched patch. Cut across chord. Small diameter circle of stitches in approximately centre. Line of stitches close to curved edge. No thread impressions.
L: 48 mm; W: 47 mm; Th: 1.5 mm
RB89 Phase 3; 218/8210/10
92. Tent panel. Hem VI. Strip torn from edge of panel. Type VI hem, turned and whipped.
L: +535 mm; W: +99 mm; Th: 1.5 mm
RB89 Phase 3; 218/8210/41
93. Tent panel. Torn fragment. Remnant of two lines of stitches converge at 90°, but there may have been a corner patch. One seam may be IIb with thread impressions on flesh side of inner stitch line, outer line whipped. Other seam not identified.
L: +468 mm; W: +125 mm; Th: 1.5 mm
RB89 Phase 3; 218/8210/42
94. (Fig 95) Tent? L-shaped fragment. Three edges survive, fourth torn along stitches, fifth torn. Curved top appears to match patch 95. No thread impressions survive, stitches 2-3 mm separation.
L: +63 mm; W: +48 mm; Th: 1.5 mm
RB89 Phase 3; 218/8210/49
95. (Fig 95) Tent, reinforcing patch. Oval patch with torn and skived edges. A single oval stitch line. Fits 94. Grain side discoloured at seam edge. Thread impressions on flesh side.
L: 92 mm; W: 48 mm; Th: 1 mm
RB89 Phase 3; 218/8210/53
96. Tent panel, eaves. Hem VI. Rectangular panel, three edges survive. One has line of stitches, possibly slightly folded type I, opposite is whipped type VI hem. Top has two irregular lines stitches, type not identified.
L: +194 mm; W: 142 mm; Th: 1.5 mm
RB89 Phase 3; 218/8210/50
97. Tent, reinforcing patch? Only part of one edge survives. Double-line stitches, possibly IVb hem, certainly edge discoloured and compressed. Two parallel curving lines crossed by a line of diagonal slash stitches. Thread impressions on flesh side. Curving lines c 5 mm separation.
L: +131 mm; W: +49 mm; Th: 1 mm
RB89 Phase 3; 218/8210/52
98. Tent, reinforcing strip. Seam III. Thread impressions on grain side.
L: +91 mm; W: 23 mm; Th: 1 mm
RB89 Phase 3; 218/8351/21-22
99. Tent panel. Seam III. Torn fragment. Length of IIIa(i) seam, badly torn along fold. Very crum-pled.
L: +230 mm; W: +93 mm; Th: 1 mm
RB89 Phase 3; 218/8362/1

100. Tent panel. Seam II or NR. Torn fragment. Short length IIb(ii) or NRb(ii) seam. All other edges secondary cuts. A slightly curving cut runs close to the stitches. Single shallow cut runs diagonally on grain side, across the width, now marked by a fold. Folded prior to deposition.
L: +128 mm; W: +134 mm; Th: 1 mm
RB89 Phase 3; 218/8362/2
101. Tent panel. Seam IIIb(i). Torn and cut fragment, seamed.
L: +119 mm; W: +33 mm; Th: 1 mm
RB89 Phase 3; 218/8362/9
102. Tent panel. Seam III. Corner fragment, two seams at 90°, both IIIa(i).
L: +273 mm; W: +199 mm; Th: 1.5 mm
RB89 Phase 3; 218/8362/10
103. Tent panel. Seam NR. NRa(ii) seam, curves slightly, very narrow. Other edges torn. Folded prior to deposition.
L: +266 mm; W: +8 mm; Th: 1 mm
RB89 Phase 3; 218/8362/13
104. (Fig 95) Tent, reinforcing strip. Seam III. Probably type III(i) reinforcing strip – slightly anomalous stitches. Thread impressions on grain side.
L: +153 mm; W: 28 mm; Th: 1 mm
RB89 Phase 3; 218/8572/19
105. Tent? reinforcing strip. Seam NR. NR (ii) type but wider than normal. Faint thread impressions on grain side.
L: +82 mm; W: 24 mm; Th: 1 mm
RB89 Phase 3; 218/8572/29
106. (Fig 95) Tent, reinforcing strip. Hem IVa. Thread impressions on grain side.
L: +389 mm; W: 26 mm; Th: 1 mm
RB89 Phase 3; 218/8573/1
107. (Fig 96) Tent, reinforcing strip, panel. Seam III. Binding strip and panel edge association. Type IIIb(i) seam. No thread impressions and binding strip. Deposited folded and crumpled.
L: +144 mm; W: +92 mm; Th: 1 mm
RB89 Phase 3; 218/8573/3
108. (Fig 96) Tent, reinforcing strip. Seam III(i). Stripped from panel and folded before deposition, join at one end.
4/ L: +52 mm; W: 20 mm; Th: 1 mm
5/ L: +208 mm; W: 17 mm; Th: 1 mm
RB89 Phase 3; 218/8573/4–5
109. Tent, hem binding. Hem IVa. Type VIa binding strip. Very wide separation stitches, thread impressions.
L: +85 mm; W: 39 mm; Th: 1.3 mm
RB89 Phase 3; 218/8573/9
110. Tent panel. Fragment of ‘a’ element seam, cut close to seam. Thread impressions on flesh side.
L: +64 mm; W: +13 mm; Th: 1 mm
RB89 Phase 3; 218/8573/16
111. (Fig 96) Tent panel. Torn and cut, seamed. Type IIIb(ii) seam. No thread impressions. Stitch separation *c* 4 mm. Very crumpled.
L: +194 mm; W: +180 mm; Th: 1.5 mm
RB89 Phase 3; 246/1562/5
112. (Fig 96) Tent, reinforcing strip. Type IIIb(ii) seam. Thread impressions on grain side.
L: +260 mm; W: 38 mm; Th: 1 mm
RB89 Phase 3; 246/1562/6–7
113. Tent panel. NRb seam. Fine stitches, 2 mm separation. Marked worn fold *c* 40–50 mm from seam. Possibly associated with 114.
1/ L: +80 mm; W: +61 mm; Th: 1 mm
2–3/ L: +356 mm; W: +104 mm; Th: 1 mm
RB89 Phase 3; 262/1534/1–4
114. (Fig 96) Tent panel. Seam II, II or NR. Corner of panel, two seams meet at 90°. One is IIb(i) with good thread impressions on flesh side, stitches 7 mm separation. Other seam is b(i) but could be either III or NR. Thread impressions on flesh side. Torn and folded prior to deposition. Possibly associated with 113.
L: +243 mm; W: +170 mm; Th: 1 mm
RB89 Phase 3; 262/1534/18–19
115. Tent panel. Seam III. Long narrow strip torn from corner of rectangular panel with 90° corner. Stitches on shorter side are torn through and possibly re-sewn. A type IIIa(i) seam meets IIIb(i). The latter is carefully folded along the line of tunnel stitches, possibly implying that dismantled before deposition.

L: +147 mm; W: +50 mm; Th: 1 mm
RB89 Phase 3; 326/8247/1

116. Tent panel. Seam III. Torn and cut fragment. Short length of IIIb(i) indicated edge of tent panel. Very fine, round stitches, <2 mm separation. Joins 117. Fragment 118 is the matching a(i) panel seam.

1/ L: +146 mm; W: +28 mm; Th: 1 mm
3/ L: +166 mm; W: +102 mm; Th: 1.5 mm
RB89 Phase 3; 357/2508/1, 3

117. Tent, reinforcing strip. Seam III(i).

L: +139 mm; W: 28 mm; Th: 1 mm
RB89 Phase 3; 357/2508/2

118. Tent panel. Seam III. Very small fragment of IIIa(i) panel edge. Very small even stitching <2 mm separation. Torn along tunnel stitching, which is also very fine. Thread impressions on flesh side. Fold very worn.

L: +83 mm; W: +30 mm; Th: 1.5 mm
RB89 Phase 3; 357/2577/1

119. (Fig 97) Tent panel. Seam III, beaded. Torn fragment. of ?trapezoidal panel (gable?). One seam survives to probably full length, IIIa(ii). Thread impressions on flesh side, stitches *c* 5 mm separation. Meets torn-through seam, type not determined, at 90°, and beaded gable seam at obtuse angle.

L: +493 mm; W: +163 mm; Th: 1.5 mm
RB89 Phase 3; 357/3089/1

120. (Fig 97) Tent panel. Seam III. Hem VI. Joins 121. Corner of panel, IIIb(i) seam and VI hem join at 90°. Type IIIb(i) seam compressed by strip and 'a' panel (cf 110). Two lunate repair patches obscure corner, applied from flesh side, thread impressions on grain side, one patch partially cut away. Small hole repaired from inside? No thread impressions. Folding suggests that panel was torn before deposition and the two pieces folded separately but together.

3221/1 L: +254 mm; W: +198 mm; Th: 1.5 mm
3222/1 L: +261 mm; W: +162 mm; Th: 1.5 mm
RB89 Phase 3; 357/3221/1, 357/3222/1

121. (Fig 97) Tent, reinforcing strip. Seam III.. Reinforcing strip from III(i) seam. Flesh side compressed by both panels. Thread

impressions on grain side. Stitches *c* 9 mm apart. No obvious wear.

L: +193 mm; W: 21 mm; Th: 1 mm
RB89 Phase 3; 357/3222/2

122. Tent panel. Seam? Panel probably b(i). Edge stitches torn through leaving rectangular holes. Edge compressed and discoloured, marking line of reinforcing strip. Stitches *c* 7 mm separation. Only 65 mm of stitch line survives. Fragment folded irregularly prior to deposition. Line of wear on grain side and shiny compression marks line of 'a' panel (cf 110).

L: +273 mm; W: +162 mm; Th: 1.5 mm
RB89 Phase 3; 357/3420/34

123. (Fig 97) Tent, reinforcing strip. Seam III. Reinforcing strip (i) from type III seam. One end torn, the other stitched at 90° to long axis (two rows) suggesting a join or panel corner reinforcing. Grain side compressed. Stitches continue through panel. Thread impressions faint. Front left side compressed by b panel.

L: +247 mm; W: 33 mm; Th: 1 mm
RB89 Phase 3; 357/8284/1A

124. (Fig 97) Tent panel. Extreme edge of IIIb(i) seam, torn along tunnel stitches. Compressed on grain side along stitch line and along line of reinforcing strip on flesh side. Stitches 3–4 mm separation. Probably panel edge.

L: +234 mm; W: +39 mm; Th: 1 mm
RB89 Phase 3; 357/8284/1B

125. (Fig 97) Tent, reinforcing strip. Seam III. Reinforcing strip from III(i) seam. On one side stitching is torn away. Slightly worn line where panel seam has distorted the strip, and clear impression of b panel on flesh side.

L: +297 mm; W: 30 mm; Th: 1.5 mm
RB89 Phase 3; 357/8285/1A

126. (Fig 97) Tent panel. Seam III. Extreme edge of IIIb(i) seam, torn along tunnel stitches. Shredded. Worn ridge on grain side where tunnel stitches survive.

L: +263 mm; W: +35 mm; Th: 1 mm
RB89 Phase 3; 357/8285/1B

127. Tent panel. Torn and cut fragment. NR seam on cut edge. Now folded grain to grain. Compressed on grain side. Where seam torn a short whipped repair runs at *c* 20° to seam.

Also small round repair, possible thread impressions on grain and impression of patch *c* 47 mm diam, sewn on inside.

L: mm; W: mm; Th: mm
RB89 Phase 3; 358/2423/1

128. (Fig 97) Tent panel. Seam beaded. Hem Va. Large triangular torn fragment with seams at 90°. Corner is a repair patch, thread impressions on grain side, flesh side on patch (358/2424/2). One edge is Va hem, neat stitches 9 mm separation, no thread impressions. The other probably a beaded gable, folded and very bundled and irregularly stitched, large holes often in paired chevrons. See also 129–33.

L: +376 mm; W: +210 mm; Th: 1.5 mm
RB89 Phase 3; 358/2424/1

129. (Fig 97) Tent, reinforcing patch. Sub-triangular patch, reinforcing corner of 128. Stitch separation *c* 4 mm. Thread impressions on flesh side.

L: 97 mm; W: 80 mm; Th: 1 mm
RB89 Phase 3; 358/2424/2

130. (Fig 97) Tent, beading. Seam beaded. Two joining fragments of inner association of beaded seam. Large stitches and thread impressions on grain side. Stitches 9 mm separation. One end skived butt joint. Part of beading for panel 128, 129, see also 131–3.

L: +120 mm; W: 23 mm; Th: 1 mm
RB89 Phase 3; 358/2424/3

131. Tent panel. Seam beaded. Panel edge, no seam survives. Joined to 128 by beaded seam.

L: +252 mm; W: +28 mm; Th: 1.5 mm
RB89 Phase 3; 358/2424/4

132. (Fig 97) Tent, bead-binding. Thick fragment edge binding/bead with a third element folded within, now cut off flush with binding. Large widely-spaced stitches *c* 10 mm separation. No thread impressions, paired stitches, pulled and wrinkled.

L: +130 mm; W: 12 mm; Th: 5 mm
RB89 Phase 3; 358/2424/5

133. (Fig 97) Tent, beading. Seam beaded. Narrow folded strip with large irregular stitches in chevrons, *c* 9 mm separation. No thread impressions. Very badly preserved.

L: +134 mm; W: 14 mm; Th: 3 mm
RB89 Phase 3; 358/2424/6, /7–9

134. Tent panel. Seam III. Hem Va. Panel corner, IIIb(i) seam and Va hem meet at 90°. Deliberately cut up. Torn and folded prior to deposition.

L: +163 mm; W: +150 mm; Th: 1.5 mm
RB89 Phase 3; 358/2765/1

135. Tent panel. Seam NR. Torn and cut fragment. Only short length of seam remains. Small even stitches, *c* 3 mm separation. Well preserved within seam but not elsewhere. Discoloration and natural fold on grain side, *c* 15 mm from edge.

L: +335 mm; W: +112 mm; Th: 1.5 mm
RB89 Phase 3; 358/3021/1

136. Tent, reinforcing strip. Seam III. Short length reinforcing strip, type III(i) seam. Even widely spaced stitches *c* 9 mm separation. Middle row less even, 3–6 mm separation.

RB89 Phase 3; 358/3023/1

137. Tent panel. Seam NR. Very short fragment NRb seam. Stitches even, *c* 6 mm separation.

L: 81 mm; W: 48 mm; Th: 1 mm
RB89 Phase 3; 358/3023/2

138. Tent panel? Seam beaded? Torn and cut fragment. Short length of seam survives. Irregular chevron stitches.

L: +102 mm; W: +17 mm; Th: 1.5 mm
RB89 Phase 3; 358/3415/7

139. Tent, reinforcing strip. Seam beaded. Very small folded fragment, possibly beading from gable seam. Large irregular stitches. Perhaps relates to 138.

L: +32 mm; W: 10 mm; Th: +1 mm
RB89 Phase 3; 358/3415/11

140. Tent panel. Torn and cut fragment. Line of tunnel stitches (ii) suggest tent panel.

L: +297 mm; W: 152 mm; Th: 2 mm
RB89 Phase 3; 358/8271/1

141. (Fig 97) Tent? panel. Seam II/III. Hem IVb. Long narrow torn strip. Damaged. Two edges survive, one only 30 mm is IVb hem. The other, probably almost complete length, may well turn from IIa(ii) to IIIa(ii) but is damaged and obscured. Several small holes around a curved cut edge in a thin patch suggest an infill repair, possibly close to the edge. Close to the intersection of seam and

hem, not at 90°, an infill patch is applied to the grain side. It is not sewn in place on all sides. Some large slash stitches above this suggest a repair or reinforcing of the seam but the method is not clear. Joins 142.

L: +615 mm; W: +142 mm; Th: 1 mm
RB89 Phase 3; 375/8315/2, /5, /7

142. (Fig 97) Tent, reinforcing patch. Small triangular infill patch.

L: 54 mm; W: 29 mm; Th: 1 mm
RB89 Phase 3; 375/8315/3

143. (Fig 97) Tent panel. Very small fragment.

L: +27 mm; W: +20 mm; Th: 1 mm
RB89 Phase 3; 375/8315/6

144. Tent, reinforcing patch. Torn fragment – probably applied patch. Cut edge curved stitches 6 mm in, irregular spacing, *c* 8 mm apart. Long stabbed stitches. Two curving rows of stitches meet the edge-stitch rows at an angle. Possibly lunate cut-out for thong – guy ropes? Occasional thread impressions. Pulled, cut and distorted.

L: +85 mm; W: +39 mm; Th: 1 mm
RB89 Phase 3; 728/1998/12

145. Tent, reinforcing strip. Seam II/III, III. Short fragment, laminated and shredded. Ends torn, some thread impressions on grain side.

L: +70 mm; W: +29 mm; Th: 1 mm
RB89 Phase 3; 728/1998/13

146. Tent panel. Seam II/III. Long narrow fragment. Type IIb(ii) seam changes to IIIb(i), oversewn at *c* 7 mm separation, second row of stitches at 8–10 mm separation, 5 mm from edge. Front left side has tunnel stitches and compressed surface. Seam IIb(ii) changes to IIIb(i) torn through – thread impressions on whipped seam.

L: +180 mm; W: +45 mm; Th: 1.5 mm
RB89 Phase 3; 728/1998/17

147. Tent? panel. Seam III or NR. Corner fragment. Two seams meet at 90°. Probably IIIa(ii). Tunnel stitches possibly never sewn. Untidy, wide separation stitches 8–10 mm. b seam component at slightly more than 90°. Stitches large and untidy.

L: +213 mm; W: +140 mm; Th: 1.5 mm
RB89 Phase 3; 728/2532/1

148. Tent panel, triangular. Seam NR Hem VI. Base has VI hem. VI hem only just turned, meets NRA(i) seam at 90°. Small neat stitches, 3 mm separation. Third edge barely survives but is NRb(i). Hem probably vertical.

L: 335 mm; W: 298 mm; Th: 1.5 mm
RB89 Phase 3; 728/2563/1

149. Tent panel. Seam NR. Small fragment of corner. Two NRb seams meet. Stitches *c* 7.5 mm separation. Associated with 150 and 151.

L: +88 mm; W: +29 mm; Th: 1 mm
RB89 Phase 3; 728/2566/1

150. Tent, reinforcing strip. Seam NR. Small fragment, one end cut. Associated with 149 and 151.

L: +66 mm; W: 18 mm; Th: 1 mm
RB89 Phase 3; 728/2566/2

151. Tent panel. Seam NR. Small fragment of corner of panel. a and b seams meet. Stitches *c* 7.5 mm separation. Associated with 149 and 150.

RB89 Phase 3; 728/2566/3

152. (Fig 98) Tent, reinforcing patch. Seam NR. Rectangular appliqué patch. Two layers, both grain out, one better leather. Has thread impressions on the two sides at 90°. The third side has NR b seam with no thread impressions. Two almost concentric circles of stitches, thread impressions on both sides. Possible edge of small round perforation within smaller circle – guy rope reinforcement?

L: 148 mm; W: +65 mm; Th: 2 mm
RB89 Phase 3; 728/2566/4

153. Tent, reinforcing strip. Seam III. Short fragment, both ends torn. Thread impressions on all stitch lines. Panel impression on grain side.

L: +162 mm; W: 26 mm; Th: 1 mm
RB89 Phase 3; 728/2604/1

154. Tent panel. Torn fragment. Curving line of stitches matched by slight depression on grain side indicates applied patch. Thread impressions on flesh side only.

L: 216 mm; W: 80 mm; Th: 1 mm
RB89 Phase 3; 728/2643/1

155. Tent, reinforcing patch. Appliqué patch. Roughly-curved edge cut as straight lines. Fits

154. Single line of stitches with thread impressions on grain side.
L: 81 mm; W: 48 mm; Th: 1 mm
RB89 Phase 3; 728/2644/2
156. Tent panel. Small edge fragment from beneath reinforcing patch. Associated with 157-66.
L: +45 mm; W: +31 mm; Th: 1 mm
RB89 Phase 3; 728/2799/1
157. Tent, hem binding? Small fragment of hem binding or reinforcing strip. Associated with 156, 158-66.
L: +38 mm; W: 27 mm; Th: 1 mm
RB89 Phase 3; 728/2799/2
158. Tent panel. Torn fragment. Associated with 156-7, 159-66.
L: +120 mm; W: +44 mm; Th: 1 mm
RB89 Phase 3; 728/2799/3
159. (Fig 98) Tent, reinforcing strip. Seam III. Reinforces left-hand seam. Associated with 155-8, 160-66.
7/ L: +227 mm; W: 26 mm; Th: 1.5 mm
8/ L: +292 mm; W: 26 mm; Th: 1.5 mm
RB89 Phase 3; 728/2799/7-8
160. Tent panel? Small fragment. Associated with 156-9, 161-66.
L: +53 mm; W: +17 mm; Th: 1 mm
RB89 Phase 3; 728/2799/9
161. Tent panel? Small abraded fragment, probably from reinforced corner. Associated with 156-60, 162-66.
L: +52 mm; W: +29 mm; Th: 1 mm
RB89 Phase 3; 728/2799/10
162. (Fig 98) Tent, hem binding. Seam IVb. Short length hem binding, IVb. Binds lower edge of /17. Associated with 156-61, 163-6.
11/ L: +72 mm; W: 35 mm; Th: 1 mm
13/ L: +146 mm; W: 38 mm; Th: 1 mm
14/ L: +94 mm; W: 41 mm; Th: 1 mm
RB89 Phase 3; 728/2799/11, /13, /14
163. (Fig 98) Tent, reinforcing strip. Short fragment, continuous III reinforcing strip within circular reinforcing assemblage. Associated with 156-62, 164-6.
L: 47 mm; W: 30 mm; Th: 1 mm
RB89 Phase 3; 728/2799/12
164. (Fig 98) Tent, reinforcing patch.. Oval appliqué patch, one end cut straight. Two concentric rings of stitches and two parallel lines across flattened end – matches hem binding. Thread impressions on grain side on circles but not on hem stitching. Sewn over seam reinforcing strip on inside. Associated with 156-64 and 166.
L: 66 mm; W: 60 mm; Th: 1 mm
RB89 Phase 3; 728/2799/15
165. (Fig 98) Tent, reinforcing patch. Round applied patch, two concentric rings stitches, outer line flattened to coincide with line of hem binding. Thread impressions on grain side. Ridge caused by panel seam beneath. Associated with 156-65.
L: 64 mm; W: 64 mm; Th: 1 mm
RB89 Phase 3; 728/2799/16
166. (Fig 98) Tent panel. Seam III. Hem IVb. Rectangular panel, base bound with IVb seam. Opposing side has remnant tunnel stitches, probably IIIb(i). Meets IIIa(i) seam at 90°. End of seam reinforced by doubled round appliqué which was partially in place before the bottom was hemmed. Corner badly damaged but relationship of reinforcement known. Small edge fragments, /4-6. Associated with 728/2799/1-17
4/ L: +59 mm; W: +30 mm; Th: 1 mm
5/ L: +122 mm; W: +26 mm; Th: 1 mm
6/ L: +76 mm; W: +36 mm; Th: 1 mm
17/ L: 633 mm; W: +325 mm; Th: 1.5 mm
RB89 Phase 3; 728/2799/4-6,17
167. Tent panel. Seam III. Corner fragment, two IIIb(i) seams meet at 90°. Very worn. Line of reinforcing strip obvious, covered part of seam better preserved. Small fragment cut away, possibly repair to hide. Fine stitches, 2.5 mm separation.
L: +145 mm; W: +73 mm; Th: 1.5 mm
RB89 Phase 3; 728/2812/22
168. Tent panel. Seam IIIa(i). Torn and cut fragment. Varying compression shows line of b element and of reinforcing strip. Two lines of wear at 40 mm separation suggests a wooden frame. Similar to 169, but not same panel.
L: +180 mm; W: +122 mm; Th: 1.5 mm
RB89 Phase 3; 728/2812/23
169. Tent panel. Small torn fragment, type IIIa(ii) element. No thread impressions.

Possibly fold at 90° to seam, *c* 40 mm apart.
Similar to 168, but not same panel.
L: +95 mm; W: +113 mm; Th: 1.5 mm
RB89 Phase 3; 728/2812/24

170. (Fig 98) Tent, hem binding Seam IVb.
Fragment, thread impressions on both sides.
Best side has stitches *c* 5 mm separation, two
rows close to edge.

L: +90 mm; W: 40 mm; Th: 1 mm
RB89 Phase 3; 728/2812/25

171. Tent panel. Seam III. Corner fragment,
two IIIa(ii) elements meet at 90°. Pulled
towards corner. Slight colour change and
compression marks line of reinforcing strip.
Thread impressions in fold, faint. Careful
stitches *c* 4 mm separation.

26/ L: +75 mm; W: +27 mm; Th: 1 mm
27/ L: +97 mm; W: +61 mm; Th: 1 mm
28/ L: +236 mm; W: +150 mm; Th: 1 mm
RB89 Phase 3; 728/2812/26–28

172. Tent panel. Torn fragment, probably
associated with 176–80.

L: +50 mm; W: +29 mm; Th: +1 mm
RB89 Phase 3; 728/2814/1

173. (Fig 98) Tent panel. Seam III, NR. Hem
IVa? Corner of tent panel, two seams at 90°.
One seam probably IIIb(i) changing to NR
away from the corner. The other side is
probably hemmed – IVa or b, as there is wear
and compression along the seam, *c* 10 mm
from edge, but no tunnel stitches for
reinforcing strip. Short trapezoidal stitch
setting, no apparent function. Fragment /33
appears to have been deliberately cut away –
recycling evidence?

7/ L: +195 mm; W: +177 mm; Th: 1 mm
8/ L: +203 mm; W: +108 mm; Th: 1 mm
33/ L: +205 mm; W: +16 mm; Th: 1 mm
RB89 Phase 3; 728/2814/7–8, 33

174. Tent panel. Seam fragment, probably
hemmed IV. Probably corner. Line of (ii)
tunnel stitches but no others – edge cut away?
Wear line survives. Short row rough stitches
on panel – no apparent scheme. Probably
related to 173.

L: +303 mm; W: +110 mm; Th: 1 mm
RB89 Phase 3; 728/2814/29

175. Tent? hem binding Seam IVb. Short
length, panel edge *in situ*, torn from panel.
L: +111 mm; W: 17 mm; Th: 1.5 mm

RB89 Phase 3; 728/2814/39

176. (Fig 98) Tent, hem binding. Seam IVb.
Short length, thread impressions on grain side,
stitches *c* 6 mm separation, even. Both ends cut
square, possibly butt joins /41 and associated
with 177–80.

40/ L: 139 mm; W: 22 mm; Th: 1.5 mm
41/ L: +170 mm; W: 20 mm; Th: 1.5 mm
RB89 Phase 3; 728/2814/40–41

177. (Fig 98) Tent, reinforcing patch. Inner
reinforcing patch, probably originally D-
shaped. Stitches show line of hem and part of
outer appliqué stitching. Associated with 172,
176, 178–80.

L: 75 mm; W: 37 mm; Th: 1 mm
RB89 Phase 3; 728/2814/42

178. (Fig 98) Tent, reinforcing strip. End of
reinforcing strip, torn off within reinforcing
association. No edge stitches. Inner circle
stitches only, no thread impressions.

Impressions only on inner and outer appliqués.
Two lines of hem stitches across base.
Associated with 172, 176–7, 179–80.

L: +63 mm; W: 27 mm; Th: 1 mm
RB89 Phase 3; 728/2814/43

179. (Fig 98) Tent panel. Extreme corner of b
element within reinforcing appliqué
association. Associated with 172, 176–8 and
180.

L: +45 mm; W: +41 mm; Th: 1 mm
RB89 Phase 3; 728/2814/44

180. (Fig 98) Tent, reinforcing patch. Outer
reinforcing patch. Round with two concentric
lines stitches. Thread impressions. Associated
with 172, 176–9.

L: 62 mm; W: 42 mm; Th: 1.5 mm
RB89 Phase 3; 728/2814/45

181. Tent panel. Seam III. Torn fragment, joins
/5 to form 90° corner. Both are IIIb(i) seams,
stitches *c* 5 mm separation, carefully sewn.
Slight compression underneath (flesh) slight
wear on seams.

L: +102 mm; W: +150 mm; Th: 1 mm
RB89 Phase 3; 728/2815/3, 5

182. Tent panel? Seam IVb. Very small hem
IVb fragment.

L: +91 mm; W: +52 mm; Th: 1 mm
RB89 Phase 3; 728/2815/7

183. Tent, hem binding. Seam IVb. Short fragment, thread impressions, stitches *c* 8 mm separation.

L: +92 mm; W: 36 mm; Th: 1.5 mm
RB89 Phase 3; 728/2815/8

184. Tent, reinforcing patch. Small fragment of round reinforcing patch. Thread impressions on grain side. Front left side compressed, impressions of grain of panel fragment. Matches 185.

L: +58 mm; W: +18 mm; Th: 1 mm
RB89 Phase 3; 728/2831/3

185. Tent panel. Seam III. Very small panel corner with IIIa(i) seam edge meeting b element. Small fragment. Matches 184.

L: +57 mm; W: +30 mm; Th: 1.5 mm
RB89 Phase 3; 728/2831/4

186. Tent panel. Torn and seamed fragment. A rough type I seam curves, joins b element. Seam turned over onto grain side. Very wide separation stitches. Fold may be accidental or very rough repair – lap seam which crosses from flesh to grain side. Joins 187.

L: +83 mm; W: +118 mm; Th: 1 mm
RB89 Phase 3; 728/2833/1

187. Tent panel. Seam II. An element of possibly IIa(i) seam, confused by numerous irregular repair stitches. Line of long slashed stitches at 90°. Edge of panel missing. Appears to be crudely sewn to 186. No thread impressions on either side, slight compression on grain side, possibly appliqué. Joins 186
2/ L: +153 mm; W: +95 mm; Th: 1 mm
12/ L: +74 mm; W: +23 mm; Th: 1 mm
13/ L: +56 mm; W: +18 mm; Th: 1 mm
RB89 Phase 3; 728/2833/2, 12–3

188. Tent panel. Seam III. Edge fragment, IIIa(i), but little turned edge (IIa(i)?). Rectilinear setting of stitches with thread impressions on flesh side. Neat even *c* 6 mm separation.

L: +150 mm; W: +105 mm; Th: 1 mm
RB89 Phase 3; 728/2837/1

189. Tent panel. Seam NR? Shredded fragment, badly damaged. Towards one edge seam changes, possibly to type II with whipped edge.

L: +175 mm; W: +114 mm; Th: 1 mm
RB89 Phase 3; 728/2837/2

190. Tent, hem binding. Seam beaded? May be IVa hem binding, although there are no thread impressions.

L: +83 mm; W: 27 mm; Th: 1 mm
RB89 Phase 4; 712/2164/1

191. Tent, reinforcing strip. Seam III. Type III(i) binding strip. Thread impressions on grain side. Worn along seam overlap, panel impressions on flesh side.

L: +232 mm; W: 31 mm; Th: 1.5 mm
RB89 Phase 2:1; 91/8126/4

192. Tent, reinforcing strip. Seam beaded. Binding strip.

L: +95 mm; W: 24 mm; Th: 1 mm
RB89 Phase 4:2; 292/7874/4

193. Tent, hem binding. Seam IVa. Type IVa hem binding from round ?hole. Worn on fold. Thread impressions on grain side. One edge only roughly cut – probably not intended to be visible.

L: +78 mm; W: 18 mm; Th: 1.5 mm
RB89 Phase 1:1; 775/3428/3

Thongs

194. (Fig 98) Thong, knot. Two thongs in a complex knot – associated with tent reinforcing and corner panels – possibly guy rope.

L: 100 mm; Th: 1 mm
RB89 Phase 3; 209/7611/15

195. Thong. Narrow cut strip, torn at both ends.

L: +76 mm; W: 6.5 mm; Th: 1 mm
RB89 Phase 3; 209/7611/22

196. Thong. Narrow parallel-sided strip.

L: +85 mm; W: 4 mm; Th: 1 mm
RB89 Phase 3; 218/8151 2

197. Thong. Very narrow tapering strip.

L: +157 mm; W: 6 mm; Th: 1 mm
RB89 Phase 3; 218/8210/43

198. Thong. Sinuous parallel-sided strip.

L: +140 mm; W: 6 mm; Th: 1 mm
RB89 Phase 4; 706/2188/1

Unknown

199. (Fig 98) Unknown. Semi-circular fragment (Fig 98), torn across diameter. Two

rows of stitches, 2 mm and 23 mm from outer edge. No thread impressions on grain side, inner row thread impressions on flesh side. Colour change suggests that outer edge bound. Two converging rows of stitching drop perpendicular to the inner stitch line to define a triangle which does not quite reach the centre of the fragment. On the grain side the area within the triangle is markedly less abraded, suggesting that it was covered. Again no thread impressions on grain side. Wear and damage increases to wards the torn edge. Wear on the flesh side suggests a fold.

L: 185 mm; W: +124 mm; Th: 1 mm
RB89 Phase 3; 728/2549/1

Waste

200. (Fig 99) Waste offcut, sole, hide-edge. Hide edge fragment, approximately parallelogram with long slash, *c* 47 mm long, within – possibly orifice – eye?
L: 176 mm; W: 49 mm; Th: 3 mm
RB89 Phase 1:2; 288/7808/1

201. (Fig 99) Waste offcut, hide-edge. Hide edge offcut – head – possibly eye or ear.
L: 106 mm; W: 39 mm; Th: 0.5 mm
RB89 Phase 1:2; 767/2945/1

Also:

Waste/sole leather

Offcut; RB89 Phase 1:2; 345/8326/4

Elongated triangle; RB89 Phase 1:2;
367/8327/1

Elongated triangle with one concave side;
RB89 Phase 1:2 367/8327/2

Elongated leaf–shape, hide-edge; RB89 Phase 1:2; 367/8327

Waste/offcut leather

Narrow tapering, scalloped offcut; RB89 Phase 1:2; 395/8360/1–2

Shoe upper offcut; RB89 Phase 1:2;
395/8360/3

Waste/sheet leather

Long irregular offcut; RB89 Phase 1:2;
395/8360/4–6

Long, narrow, parallel-sided strip; RB89 Phase 1:2; 395/8360/7

Very elongated triangle; RB89 Phase 1:2;
395/8395/1

Irregular hide-edge offcut; RB89 Phase 1:2;
405/3037/1

Irregular hide-edge offcut; RB89 Phase 1:2;
405/3037/2

Irregular hide-edge offcut; RB89 Phase 1:2;
405/3037/34

Torn and cut offcut. Probably hide-edge; RB89 Phase 1:2; 405/3168/1

Hide edge fragment; RB89 Phase 1:2;
405/3319/1

Torn offcut. Two edges intact; RB89 Phase 1:2; 405/3319/2

Possible triangle; RB89 Phase 1:2; 405/3319/3

Small torn fragment; RB89 Phase 1:2;
405/3319/4

Probable elongated triangle; RB89 Phase 1:2;
405/3319/5–6

Torn and cut fragment; RB89 Phase 1:2;
405/3319/7

Small, irregular triangle. Hide edge; RB89 Phase 1:2; 405/3319/8

Triangle; RB89 Phase 1:2; 405/3416/1

Triangle; RB89 Phase 1:2; 405/3416/2

Trapezium. Hide edge; RB89 Phase 1:2;
405/3416/3

Elongated triangle RB89 Phase 1:2;
405/3416/4

Irregular triangular offcut. Hide edge; RB89 Phase 1:2; 405/3416/5

Long narrow, slightly curved; RB89 Phase 1:2;
405/3416/6

Irregular. Hide edge; RB89 Phase 1:2;
767/2932/1

Parallel-sided fragment. One end cut obliquely; RB89 Phase 1:2; 767/3509/1

Large hide-edge offcut. Curving edge slashed and roughly cut; RB89 Phase 1:2; 810/3257/2

Irregular hide-edge offcut; RB89 Phase 1:2;
810/3260/1

202. (Fig 99) Waste offcut, sole. Elongated oval – leaf–shaped. Laminated and in two.

L: 122 mm; W: 16 mm; Th: 3.5 mm
RB89 Phase 2:2; 107/4589/5

203. (Fig 99) Waste offcut. Cut and torn strip of sheet. Small triangular hole has sewn repair, thread impressions on grain side. Odd stitches along a tear suggest repair.

L: +283 mm; W: +60 mm; Th: 1 mm
RB89 Phase 2:2; 427/1565/9

204. (Fig 99) Waste offcut, one piece. Offcut, possibly from trimming one piece shoe loop. Tight U–shape.

L: 61 mm; W: 39 mm; Th: 1.5 mm
RB89 Phase 2:2; 541/1566/5

Also:

Waste/sole leather

Parallel-sided strip; RB89 Phase 2:2;

107/4589/2

Slightly curved parallel-sided strip; RB89

Phase 2:2; 107/4589/3

Elongated oval, one side is hide-edge; RB89

Phase 2:2; 107/4589/4

Trapezium with one deeply concave side –
tread margin? RB89 Phase 2:2; 107/4589/11

Hide edge offcut; RB89 Phase 2:2;

107/4589/13

Triangle; RB89 Phase 2:2; 124/1568/1

Rectangle, hide-edge; RB89 Phase 2:2;

124/1568/2

Very thin sliver; RB89 Phase 2:2; 124/1568/3

Long narrow sliver; RB89 Phase 2:2;

124/1568/4

Narrow leaf-shaped strip, both ends taper to
nothing; RB89 Phase 2:2; 124/1568/5

Tapering sliver; RB89 Phase 2:2; 124/1568/6

Triangle; RB89 Phase 2:2; 124/1568/7

Triangle; RB89 Phase 2:2; 124/1568/8

Large triangle with one deeply concave side
(tread margin); RB89 Phase 2:2; 124/1568/9

Small triangle; RB89 Phase 2:2; 124/1568/10

Elongated triangle, one side hide-edge; RB89
Phase 2:2; 124/1568/11

Trapezium with one deeply concave side – seat
margin? RB89 Phase 2:2; 124/1568/12

Triangle; RB89 Phase 2:2; 124/1568/13

Elongated triangle; RB89 Phase 2:2;

124/1568/14

Elongated triangle; RB89 Phase 2:2;

124/1568/15

Irregular. Hide edge; RB89 Phase 2:2;

124/1568/16

Curvilinear sole offcut. Parallel-sided; RB89
Phase 2:2; 541/1566/7

Trapezium with three concave edges; RB89
Phase 2:2; 743/3173/1

Elongated triangle; RB89 Phase 2:2;

756/3421/4

Irregular hide-edge offcut; RB89 Phase 2:2;
756/3421/6

Sole offcut with multiple outlines; RB89 Phase
2:2; 743/3424/1

Waste/sheet leather

Strip; RB89 Phase 2:2; 107/4589/17

Elongated triangle; RB89 Phase 2:2;

124/1568/17

Narrow triangle, base torn; RB89 Phase 2:2;

124/1568/23

Sliver; RB89 Phase 2:2; 124/1568/24

Twisted, narrow strip; RB89 Phase 2:2;

124/1568/25

Narrow tapering sliver; RB89 Phase 2:2;

124/1568/26

Triangle; RB89 Phase 2:2; 124/1568/28

Elongated triangle; RB89 Phase 2:2;

124/6913/4

Parallel-sided strip; RB89 Phase 2:2;

427/1565/4

Very narrow parallel-sided strip, tapers to a
point at both ends; RB89 Phase 2:2;

427/1565/7

Offcut, secondary? RB89 Phase 2:2;

427/1565/17

Parallel-sided strip. Shredded; RB89 Phase
2:2; 427/1565/21

Parallel-sided strip; RB89 Phase 2:2;

541/1566/2

Parallel-sided but one edge torn not cut; RB89
Phase 2:2; 541/1566/3

Approximately parallel-sided strip; RB89

Phase 2:2; 541/1566/4

Sub-triangle. Hide edge; RB89 Phase 2:2;

541/1566/6

Hide edge offcut; RB89 Phase 2:2; 743/3025/1

205. (Fig 99) Waste offcut, hide-edge.

Triangular, eye?

L: 280 mm; W: 151 mm; Th: 1.5 mm

RB89 Phase 3; 205/1559/3

206. (Fig 99) Waste offcut, sole. Torn
triangular offcut, one point extends into
parallel-sided strip which curves back on itself.
Laminated and in two.

L: +115 mm; W: +45 mm; Th: +3 mm

RB89 Phase 3; 209/3417/23

207. (Fig 99) Waste offcut, upper. Offcut, torn
but one edge scalloped from cutting lacing
loops.

L: +74 mm; W: +28 mm; Th: 1 mm

RB89 Phase 3; 218/7610/7

208. (Fig 99) Waste offcut, upper. Irregular
triangle with carefully scalloped edge (fine, c 2
mm separation).

L: 112 mm; W: 17 mm; Th: 2.5 mm

RB89 Phase 3; 218/8210/36

209. (Fig 99) Waste offcut, sole. Elongated
triangle with deep concave cut-out
approximately half length of one side.

L: 240 mm; W: 80 mm; Th: 3 mm

RB89 Phase 3; 246/1562/8

210. (Fig 99) Waste offcut, upper. Narrow strip, one edge is very finely scalloped.

L: 68 mm; W: 10 mm; Th: 1 mm

RB89 Phase 3; 357/2616/11

211. (Fig 99) Waste offcut. Fragment, roughly cut into at least seven strips, all *c* 15 mm wide. Ends of all strips torn.

L: +172 mm; W: +100 mm; Th: 1 mm

RB89 Phase 3; 728/1998/25

212. (Fig 99) Waste offcut, upper. Shoe upper offcut from around lacing loops. Laminated and in two.

L: 44 mm; W: 27 mm; Th: 1 mm

RB89 Phase 3; 728/1998/42-43

213. (Fig 99) Waste offcut, upper. Long narrow strip, tapers slightly, wider end torn. Narrow end rounded with two small semi-circular nicks removed.

L: +84 mm; W: 15 mm; Th: 1 mm

RB89 Phase 3; 728/2474/1

214. (Fig 99) Waste offcut, sole. Long narrow strip with concave sides. Both ends torn.

L: +155 mm; W: 27 mm; Th: 3 mm

RB89 Phase 3; 728/2536/1

215. (Fig 99) Waste offcut, hide-edge. Primary offcut, OCTANI knife cut. Possibly head.

L: 225 mm; W: 78 mm; Th: 1 mm

RB89 Phase 3; 728/2633/1

216. (Fig 99) Waste offcut. Lunate fragment. Possibly heel stiffener, but unused.

L: 148 mm; W: 46 mm; Th: 3 mm

RB89 Phase 3; 728/2813/8

217. (Fig 99) Waste offcut, sole. C-shaped offcut from trimming heel.

L: 83 mm; W: 40 mm; Th: 5 mm

RB89 Phase 3; 728/2813/28

218. (Fig 99) Waste offcut, hide-edge. Series of four or five parallel cuts may be owner's mark but indecipherable.

L: +136 mm; W: +103 mm; Th: 3 mm

RB89 Phase 3; 728/2833/18-19

219. (Fig 99) Waste offcut, upper. Elongated triangular fragment. One edge cut into very

fine scallops (four cuts in 10 mm). See also 232.

L: +124 mm; W: 28 mm; Th: 1 mm

RB89 Phase 3; 358/2907/1

220. (Fig 99) Waste offcut, upper. Rectangular strip with one end cut at an angle, the other rounded. Cut-out from lacing loop.

L: 38 mm; W: 7 mm; Th: 1 mm

RB89 Phase 3; 358/2907/5

221. (Fig 99) Waste offcut, sole. Trapezium, one side has deeply concave heel cut-out.

L: 138 mm; W: +56 mm; Th: +1.5 mm

RB89 Phase 3; 358/2907/6

222. (Fig 99) Waste offcut, upper. Curving strip with one end angled, the other expanded and round. Cut-out from lacing loop.

L: 42 mm; W: 15 mm; Th: 1 mm

RB89 Phase 3; 358/2907/9

223. (Fig 99) Waste offcut, upper. Elongated tongue-shaped fragment with semi-circular nick out of one side. Cut out from lacing loop.

L: 49 mm; W: 11 mm; Th: +1 mm

RB89 Phase 3; 358/2907/31

224. (Fig 99) Waste offcut, upper. Elongated kidney-shaped fragment. Cut-out from loop.

L: 65 mm; W: 12 mm; Th: +1 mm

RB89 Phase 3; 358/2907/33

225. (Fig 99) Waste offcut, upper. Tongue-shaped fragment with a semi-circular nick out of both sides. Cut-out from lacing loop.

L: 52 mm; W: 17 mm; Th: +1 mm

RB89 Phase 3; 358/2907/34

226. (Fig 99) Waste offcut, upper. Kidney-shaped fragment. Marking-out line. Laminated and in two. Cut-out from lacing loop.

L: 45 mm; W: 15 mm; Th: +1 mm

RB89 Phase 3; 358/2907/35

227. (Fig 99) Waste offcut, upper. Tongue-shaped fragment with three shallow scallops along one edge.

L: 28 mm; W: 20 mm; Th: 1 mm

RB89 Phase 3; 358/2907/36

228. (Fig 99) Waste offcut, upper. Small half-oval. Cut-out from small loop.

L: 17 mm; W: 13 mm; Th: 1 mm

RB89 Phase 3; 358/2907/37

229. (Fig 99) Waste offcut, upper. Small semi-circle. Cut-out from loop.
L: 17 mm; W: 7 mm; Th: 1 mm
RB89 Phase 3; 358/2907/38
230. (Fig 99) Waste offcut, upper. Triangular fragment. One edge has three deep scallops. Outer offcut from lacing loop.
L: 66 mm; W: 50 mm; Th: +1 mm
RB89 Phase 3; 358/2907/39
231. (Fig 99) Waste offcut, sole. Long sinuous strip. Between two soles, cut heel to toe.
L: 235 mm; W: 30 mm; Th: 4 mm
RB89 Phase 3; 358/2907/41
232. (Fig 99) Waste offcut, upper. Tongue-shaped fragment with partly scalloped edge. Laminated and in two.
L: 31 mm; W: 15 mm; Th: 1 mm
RB89 Phase 3; 358/2907/47
233. (Fig 99) Waste offcut, upper. Tongue-shaped fragment with triangle cut from base. Cut-out from loop.
L: 20 mm; W: 11 mm; Th: +1 mm
RB89 Phase 3; 358/2907/53
234. (Fig 99) Waste offcut, upper. Sub-triangular fragment with scalloped edge. Outer offcut from loops.
L: +77 mm; W: 55 mm; Th: +1 mm
RB89 Phase 3; 358/2907/55-56
235. (Fig 99) Waste offcut, upper. Elongated oval with semi-circular nick in one side. Cut-out from loop.
L: 50 mm; W: 14 mm; Th: 1 mm
RB89 Phase 3; 358/2907/68
236. (Fig 99) Waste offcut, sole. Originally rectangular fragment with deep cut-out encompassing toe, tread and waist. Laminated.
L: +150 mm; W: 81 mm; Th: +2 mm
RB89 Phase 3; 358/2907/71
237. (Fig 99) Waste offcut, upper. Tapering, tongue-shaped strip with two semi-circular nicks. Cut-out from lacing loop.
L: 54 mm; W: 8 mm; Th: +1 mm
RB89 Phase 3; 358/2907/73
- Also:
Waste/sole leather
- Trapezium with gently concave sides – margin of tread? RB89 Phase 3; 60/2230/1
Triangle; RB89 Phase 3; 108/3507/1
Triangle. Hide edge; RB89 Phase 3; 209/7611/17
Elongated triangle. Hide edge; RB89 Phase 3; 218/7296/3
Leaf-shaped offcut; RB89 Phase 3; 218/7610/5
Offcut; RB89 Phase 3; 218/8210/6;
Triangle, concave sides. Hide edge; RB89 Phase 3; 218/8572/15
Large elongated triangle; RB89 Phase 3; 246/1562/9
Small elongated triangle. Hide edge; RB89 Phase 3; 262/1534/5
Quadrilateral offcut; RB89 Phase 3; 326/8189/2
Offcut, hide-edge; RB89 Phase 3; 353/8314/3, 4, 5
Triangle with two concave sides; RB89 Phase 3; 357/2616/5
Triangle, with one elongated arm; RB89 Phase 3; 357/2616/7
Small triangle; RB89 Phase 3; 357/2616/8
Elongated triangle or cigar-shaped fragment; RB89 Phase 3; 357/2616/10
Elongated triangle; RB89 Phase 3; 357/2616/14
Irregular cut fragment with one concave and one convex side; RB89 Phase 3; 357/2616/17
Tapering strip; RB89 Phase 3; 357/2616/18
Elongated tapering strip; RB89 Phase 3; 357/2616/19
Triangle, badly damaged. All three points missing; RB89 Phase 3; 357/2616/25
Elongated triangle; RB89 Phase 3; 357/2616/26
Pentagonal fragment; RB89 Phase 3; 357/2616/27
Lunate strip; RB89 Phase 3; 357/2616/28
Elongated triangle; RB89 Phase 3; 357/2616/29
Small rectangular fragment. Two parallel cut edges; RB89 Phase 3; 357/2616/30
Triangle, badly damaged. All corners missing. Cutting guide line visible; RB89 Phase 3; 357/2616/32
Curved strip; RB89 Phase 3; 357/2616/33
L-shaped cut fragment; RB89 Phase 3; 357/2616/34
Cut and torn fragment. Two parallel cut edges with a curved nick out of one; RB89 Phase 3; 357/2616/35

- Elongated, cigar-shaped fragment. Miscut-cut along one edge; RB89 Phase 3; 357/2616/37
Trapezoidal fragment. Very small; RB89 Phase 3; 357/2616/38
Small elongated triangle; RB89 Phase 3; 357/2616/39
Small elongated triangle; RB89 Phase 3; 357/2616/40
Very small parallelogram; RB89 Phase 3; 357/2616/41
Small cut and torn fragment; RB89 Phase 3; 357/2616/42
Small triangular fragment; RB89 Phase 3; 357/2616/43
Elongated curving triangle; RB89 Phase 3; 357/2616/44
Curving elongated triangle. Apex missing; RB89 Phase 3; 357/2616/45
Long sinuous strip from shaving edge of sole; RB89 Phase 3; 357/2616/46
Long sinuous strip from shaving edge of sole; RB89 Phase 3; 357/2616/47
Narrow lunate strip; RB89 Phase 3; 357/2616/48
Small elongated sinuous triangle; RB89 Phase 3; 357/2616/49
Narrow irregular strip; RB89 Phase 3; 357/2616/50
Small elongated triangle; RB89 Phase 3; 357/2616/51
Sinuous sliver; RB89 Phase 3; 357/2616/52
Small pentagonal fragment with four edges cut; RB89 Phase 3; 357/2616/55
Small elongated triangle; RB89 Phase 3; 357/2616/56
Small tapering strip; RB89 Phase 3; 357/2616/57
Small narrow strip; RB89 Phase 3; 357/2616/58
Long curving strip; RB89 Phase 3; 357/2616/59
Narrow sinuous strip; RB89 Phase 3; 357/2616/60
Elongate lunate fragment; RB89 Phase 3; 357/2616/61
Elongated triangle; RB89 Phase 3; 357/2616/62
Triangle. One point elongated to a narrow sinuous strip; RB89 Phase 3; 357/2616/63
Elongated triangle or cigar shape. Base is uneven hide-edge. Marking out lines along one edge; RB89 Phase 3; 357/2616/64
Amorphous scrap from hide-edge, flesh side only remains; RB89 Phase 3; 357/2616/65
Sinuous strip; RB89 Phase 3; 357/2616/66
Long, narrow curving sinuous strip; RB89 Phase 3; 357/2616/67
Long tapering strip; RB89 Phase 3; 357/2616/69
Sinuous shaving from edge of sole; RB89 Phase 3; 357/2616/70
Short tapering strip; RB89 Phase 3; 357/2616/71
Small shaving; RB89 Phase 3; 357/2616/72
Elongated triangle; 357/2616/73
Small elongated triangle; RB89 Phase 3; 357/2616/74
Large irregular sub-triangular fragment. Two sides are hide-edge, the third has scalloped edge, presumably from the cutting of seats in a constricted corner of the hide; RB89 Phase 3; 357/2616/77
Elongated triangle with two points drawn out to narrow elongated strips; RB89 Phase 3; 357/2616/79
Very small elongated triangle; RB89 Phase 3; 357/2616/81
Elongated triangle. One side concave; RB89 Phase 3; 357/2616/21
Small elongated triangle; RB89 Phase 3; 357/2616/83
Long strip, one side is irregular hide-edge; RB89 Phase 3; 357/2616/84
Long strip or varying width. The cut changes direction abruptly; RB89 Phase 3; 357/2616/85
Two small slivers; RB89 Phase 3; 357/2616/86
Small elongated triangle with one side hide-edge; RB89 Phase 3; 357/2616/87
Small elongated triangle. One point missing; RB89 Phase 3; 357/2616/88
Long narrow strip; RB89 Phase 3; 357/2616/89
Elongated oval fragment; RB89 Phase 3; 357/2616/90
Small triangular sliver; RB89 Phase 3; 357/2616/91
Small elongated triangle; RB89 Phase 3; 357/2616/93
Sliver, both edges curled; RB89 Phase 3; 357/2616/94
Narrow parallel-sided strip; RB89 Phase 3; 357/2616/96
Small rectangle; RB89 Phase 3; 357/2616/97
Sinuous elongated triangle. Base is hide-edge. From between two soles; RB89 Phase 3; 357/2616/98
Elongated triangle. Hide edge; RB89 Phase 3; 357/2619/1
Elongated triangle. Hide edge; RB89 Phase 3; 357/2619/2

- Long narrow sliver; RB89 Phase 3;
357/3004/1-2
Rectangle. Three cut edges. Hide edge; RB89
Phase 3; 357/3089/3
Trapezoid. One edge concave. From outer
tread; RB89 Phase 3; 357/3089/4
Dumbbell-shaped offcut, slightly miscut.
Perhaps from one-piece shoe? RB89 Phase 3;
357/3102/1
Sub-rectangular fragment with deep
asymmetrical concave side. Tread? RB89
Phase 3; 357/3174/1
Sub-trapezium with two, opposing concave
sides. Heel and toe? RB89 Phase 3;
357/3219/1
Triangle with one side deeply concave; RB89
Phase 3; 357/3420/3
Elongated triangle. One side concave. Apex
missing; RB89 Phase 3; 357/3420/5
Triangle; RB89 Phase 3; 357/3420/6
Long narrow strip. Possibly hide-edge; RB89
Phase 3; 357/3420/7
Small trapezium. One side concave; RB89
Phase 3; 357/3420/8
Large triangle. One side concave; RB89 Phase
3; 357/3420/9
Sub-trapezium. One side deeply concave –
heel? Curved side miscut; RB89 Phase 3;
357/3420/10
Elongated triangle; RB89 Phase 3;
357/3420/12
Irregular torn and cut fragment. Hide edge;
RB89 Phase 3; 357/3420/15
Elongated triangle; RB89 Phase 3;
357/3420/16
Long, narrow sinuous fragment; RB89 Phase
3; 358/2358/1
Sinuous triangle; RB89 Phase 3; 358/2358/2
Sliver; RB89 Phase 3; 358/2358/3
Triangle, possibly cut into two strips; RB89
Phase 3; 358/2358/4
Elongated triangle. One point missing; RB89
Phase 3; 358/2358/5
Long, tapering, sinuous offcut; RB89 Phase 3;
358/2502/1
Large triangle. One concave, one convex side.
Miscuts on flesh side; RB89 Phase 3;
358/2907/3
Narrow tapering strip; RB89 Phase 3;
358/2907/4
Small semi-circle; RB89 Phase 3; 358/2907/7
Tapering, narrow strip; RB89 Phase 3;
358/2907/8
Long, tapering, sinuous offcut; RB89 Phase 3;
358/2502/1
Large triangle. One concave, one convex side.
Miscuts on flesh side; RB89 Phase 3;
358/2907/3
Narrow tapering strip; RB89 Phase 3;
358/2907/4
Elongated triangle; RB89 Phase 3;
358/2907/12
Trapezium, grain decayed; RB89 Phase 3;
358/2907/13
Triangle with one concave edge, other two are
hide-edge; RB89 Phase 3; 358/2907/14
Irregular, probably hide-edge; RB89 Phase 3;
358/2907/15
Trapezium with deep concave cut-out heel;
RB89 Phase 3; 358/2907/17
Elongated triangle; RB89 Phase 3;
358/2907/18
Large triangle. One deeply concave side – side
of heel; RB89 Phase 3; 358/2907/19
Sub-triangular fragment with one very
elongated, approximately parallel-sided
extension; RB89 Phase 3; 358/2907/20
Triangle; RB89 Phase 3; 358/2907/21
Triangle; RB89 Phase 3; 358/2907/26
Small triangle; RB89 Phase 3; 358/2907/27
Long narrow strip; RB89 Phase 3;
358/2907/44
Small elongated triangle; RB89 Phase 3;
358/2907/45
Elongated triangle; RB89 Phase 3;
358/2907/46
Small elongated triangle; RB89 Phase 3;
358/2907/48
Parallelogram; RB89 Phase 3; 358/2907/49
Rectangle with curving sides; RB89 Phase 3;
358/2907/51
Very small triangle; RB89 Phase 3;
358/2907/52
Long narrow tapering strip; RB89 Phase 3;
358/2907/57
Lunate fragment with one end point cut away.
Marking out lines; RB89 Phase 3; 358/2907/58
Tongue-shaped fragment. Cut-out from loop;
RB89 Phase 3; 358/2907/59
Long, very narrow strip; RB89 Phase 3;
358/2907/60
Small triangle. One side deeply concave; RB89
Phase 3; 358/2907/61
Trapezium; RB89 Phase 3; 358/2907/62
Sub-trapezium. Possible hide-edge; RB89
Phase 3; 358/2907/63
Trapezium. Hide edge; RB89 Phase 3;
358/2907/65
Long, narrow tapering strip; triangle, one point
cut short; RB89 Phase 3; 358/2907/72

- Elongated triangle. Hide edge offcut; RB89 Phase 3; 358/2907/74
Sinuous triangle. Guide lines along one edge. Junction of four soles; RB89 Phase 3; 358/2907/75
Rectangle with deeply concave heel cut-out. Laminated and in two; RB89 Phase 3; 358/2907/66
Lunate fragment; RB89 Phase 3; 375/8315/1
Irregular offcut, one side hide-edge; RB89 Phase 3; 358/3023/1
Triangle, two concave sides; Sole offcut, hide-edge. Forms a negative outline of tread and waist of two soles; RB89 Phase 3; 684/1560/3-4; 728/1998/33
Ellipse; RB89 Phase 3; 728/1998/34
Long, narrow sinuous offcut; RB89 Phase 3; 728/1998/35
Triangle, two concave sides. Guide lines; RB89 Phase 3; 728/1998/36
Triangle; RB89 Phase 3; 728/1998/41
Probably triangle. Very spongy; RB89 Phase 3; 728/1998/47
Triangle; RB89 Phase 3; 728/1998/49
Triangle, hide-edge; RB89 Phase 3; 728/1998/50
Sinuous triangle. Two concave sides; RB89 Phase 3; 728/1998/51
Elongated triangle. Apex torn; RB89 Phase 3; 728/2475/2
Rectangle. Miscut. Hide edge; RB89 Phase 3; 728/2475/3
Triangle, one concave side; RB89 Phase 3; 728/2495/1
Triangle, one concave side; RB89 Phase 3; 728/2495/1
Long, narrow, sinuous offcut, torn at both ends; RB89 Phase 3; 728/2522/2
Triangle, one concave side. Miscut part cut and torn; RB89 Phase 3; 728/2536/3
Long narrow tapering strip. Both ends torn; RB89 Phase 3; 728/2537/1
Triangle with two concave sides. Layout lines on grain side; RB89 Phase 3; 728/2539/1
Diamond-shaped hide-edge offcut, two concave and one convex side; RB89 Phase 3; 728/2544/1
Long narrow angular offcut; RB89 Phase 3; 728/2544/2
Long narrow hide-edge offcut; RB89 Phase 3; 728/2544/3
Narrow angular offcut; RB89 Phase 3; 728/2544/4
Narrow triangular offcut, one side deeply concave; RB89 Phase 3; 728/2544/6
Narrow hide-edge fragment, two torn edges; RB89 Phase 3; 728/2544/7
Elongated triangle; RB89 Phase 3; 728/2544/8
Small triangle, miscut; RB89 Phase 3; 728/2544/9
Small triangle; RB89 Phase 3; 728/2544/10
Elongated triangle; RB89 Phase 3; 728/2544/11
Large triangle, one point missing. One concave edge – toe. Miscut; RB89 Phase 3; 728/2544/12
Triangle, one concave edge; RB89 Phase 3; 728/2544/13
Long thin angular offcut; RB89 Phase 3; 728/2544/15
Long narrow, sinuous offcut. Diamond-shaped; RB89 Phase 3; 728/2544/18
Narrow shaving; RB89 Phase 3; 728/2544/20
Narrow shaving. Miscut; RB89 Phase 3; 728/2544/21
Small triangle; RB89 Phase 3; 728/2544/22
Triangle, one deeply concave side; RB89 Phase 3; 728/2544/29
Long narrow strip; RB89 Phase 3; 728/2544/30
Triangle with two concave sides. Miscuts; RB89 Phase 3; 728/2544/36
Long narrow triangle. Slightly sinuous; RB89 Phase 3; 728/2544/38
Narrow strip, ends torn; RB89 Phase 3; 728/2544/39
Long narrow triangle; RB89 Phase 3; 728/2544/41
Long narrow triangle; RB89 Phase 3; 728/2812/1
Narrow triangle, corner torn; RB89 Phase 3; 728/2812/6
Long narrow offcut. Miscut. Tapers to a shaving; RB89 Phase 3; 728/2812/7
Triangle, two concave edges; RB89 Phase 3; 728/2812/8
Small triangle, one concave edge; RB89 Phase 3; 728/2812/9
Long narrow triangle; RB89 Phase 3; 728/2812/11
Triangle. One corner cut off. One concave side; RB89 Phase 3; 728/2812/12
Elongated triangle. Curved; RB89 Phase 3; 728/2812/13
Long, sinuous, slightly tapering strip, end torn; RB89 Phase 3; 728/2812/14
Torn triangle, possibly heel. Hide edge. Hole cut in corner – possibly pegged; RB89 Phase 3; 728/2812/16
Small triangle; RB89 Phase 3; 728/2812/17

- Torn triangle, only one edge remains; RB89 Phase 3; 728/2812/18
Trapezium, one deeply concave side; RB89 Phase 3; 728/2812/19
Torn and cut fragment, very poor but probably sole offcut; RB89 Phase 3; 728/2812/20
Triangle. One corner torn; RB89 Phase 3; 728/2812/21
Irregular hide-edge. Sole leather. At least one peg hole; RB89 Phase 3; 728/2813/5
Irregular hide-edge; 728/2813/6
Long narrow offcut. Miscut along one edge; RB89 Phase 3; 728/2813/9
Irregular offcut, two concave sides; RB89 Phase 3; 728/2813/14
Lunate offcut with guidelines; 728/2813/15
Sub-triangle, one point much extended; RB89 Phase 3; 728/2813/16
Rectilinear offcut. Deeply concave edge; RB89 Phase 3; 728/2813/17
Sub-rectangular, with sinuous points; RB89 Phase 3; 728/2813/18
Large irregular, five-sided offcut. Longest side deeply concave; RB89 Phase 3; 728/2813/19
Trapezium with concave sides; RB89 Phase 3; 728/2813/20
Trapezium with one deeply concave side; RB89 Phase 3; 728/2813/21
Small triangle; RB89 Phase 3; 728/2813/22
Long narrow offcut. Miscut; RB89 Phase 3; 728/2813/23
Sub-triangular offcut, one deeply concave side; RB89 Phase 3; 728/2813/24; 728/2813/25
Large pentagonal offcut; RB89 Phase 3; 728/2813/26
Trapezium with one deeply concave side – from heel; RB89 Phase 3; 728/2813/27
Torn fragment; RB89 Phase 3; 728/2814/9
Long narrow strip, both ends torn; RB89 Phase 3; 728/2814/13
Long narrow strip, both ends torn. Sinuous; RB89 Phase 3; 728/2814/15
Elongated leaf-shaped offcut; RB89 Phase 3; RB89 Phase 3; 728/2814/16
Narrow, parallel-sided offcut, both ends torn; RB89 Phase 3; 728/2814/17
Approximately rectangular; RB89 Phase 3; 728/2814/24
Hide edge fragment, other edges torn; RB89 Phase 3; 728/2814/34
Triangle, one deeply concave side. Grain abraded; RB89 Phase 3; 728/2815/6
Long curved triangle from round foot of sole. Some miscuts along curve; RB89 Phase 3; 728/2833/5
Long narrow strip; RB89 Phase 3; 728/2833/6
Long narrow shaving; RB89 Phase 3; 728/2833/9
Long narrow shaving; RB89 Phase 3; 728/2833/10
Long narrow offcut, ends cut at angle; RB89 Phase 3; 728/2833/11
Sliver of offcut; RB89 Phase 3; 728/2835/2
Triangle with two concave sides; RB89 Phase 3; 728/2835/6
Small leaf-shape, one end torn; RB89 Phase 3; 728/2837/3
Long narrow triangle; RB89 Phase 3; 728/3496/1
Triangle with one deeply concave side; RB89 Phase 3; 728/3496/3
A tanned nipple. Offcut; RB89 Phase 3; 728/1998/52
Large triangle with one concave edge; RB89 Phase 3; 358/2907/40
Waste/shoe, upper
Torn and cut fragment – leaf-shaped offcut; RB89 Phase 3; 218/7610/1
Elongated triangle; RB89 Phase 3; 218/7610/2
Rectangular fragment with one rounded end. Cut out from inside of loop; RB89 Phase 3; 357/2616/1
Narrow parallel-sided strip with rounded end. Upper offcut? RB89 Phase 3; 357/2616/82
Trapezium. One edge angled, the other expanded and cut to an asymmetrical curve. Possibly cut-out from lacing loop; RB89 Phase 3; 358/2907/23
Trapezium, largest end cut to asymmetrical curve. Cut-out from loop? RB89 Phase 3; 358/2907/28
Tongue-shaped. Cut-out from loop? RB89 Phase 3; 358/2907/29
Elongated tongue-shaped fragment with a nick and a reduction of width one side; RB89 Phase 3; 358/2907/30
Sub-triangle; RB89 Phase 3; 358/2907/32
Elongated triangle with one expanded point; RB89 Phase 3; 358/2907/43
Semi-circular fragment. Cut-out from loop; RB89 Phase 3; 358/2907/50
Small drop-shaped fragment; RB89 Phase 3; 358/2907/54
Tongue-shaped fragment. Cut-out from loop; RB89 Phase 3; 358/2907/69

- Shoe upper offcut, now fragmentary; RB89 Phase 3; 392/3051/1
Shoe upper offcut; RB89 Phase 3; 392/3051/2
Upper offcut, probably from one piece shoe; RB89 Phase 3; 392/3053/1
Long narrow offcut; RB89 Phase 3; 728/1998/32;
Small angular fragment. Possibly upper offcut; RB89 Phase 3; 728/2544/5;
Small scalloped offcut. All edges slightly concave; RB89 Phase 3; 728/2544/17
Long narrow strip, slightly cusped. Offcut for upper? RB89 Phase 3; 728/2544/37
Long narrow strip. Edge serrated but numerous semi-circular notches punched *c* 1 mm apart.
Shoe upper offcut? RB89 Phase 3; 728/2813/10
- Waste/sheet leather
Elongated triangle, one edge torn; RB89 Phase 3; 209/3417/13
Cut and torn fragment. Irregular; RB89 Phase 3; 209/3417/31
Small, irregular triangle; RB89 Phase 3; 209/3417/32
Long narrow tapering strip; RB89 Phase 3; 209/7253/4
Offcut or thong. Long narrow parallel-sided strip; RB89 Phase 3; 209/7253/5
Cut and torn fragment – three edges cut; RB89 Phase 3; 209/7253/8
Leaf-shaped offcut, tapers to nothing at ends; RB89 Phase 3; 218/7610/3
Narrow tapering strip; RB89 Phase 3; 218/7610/4
Triangle; RB89 Phase 3; 218/8210/38
Small parallel-sided offcut; RB89 Phase 3; 218/8572/20
Parallel-sided strip cut almost in two lengthways; RB89 Phase 3; 218/8573/12
Elongated triangle, concave sides; RB89 Phase 3; 218/8573/11
Small extended triangle; RB89 Phase 3; 218/8573/15
Cut seamed fragment. Irregular and uneven. Folded. Secondary offcut; RB89 Phase 3; 262/1534/7
Trapezoid; RB89 Phase 3; 342/8350/3
Irregular fragment; RB89 Phase 3; 353/8314/6
Small elongated triangle; RB89 Phase 3; 357/2616/2
Trapezoidal fragment with one deeply concave side; RB89 Phase 3; 357/2616/3
Irregular sub-triangular offcut; RB89 Phase 3; 357/2616/4
Irregular triangular fragment; RB89 Phase 3; 357/2616/6
Small cut fragment, round; RB89 Phase 3; 357/2616/9
Small rectangular cut fragment; RB89 Phase 3; 357/2616/12
Small rectangular cut fragment; RB89 Phase 3; 357/2616/13
Waste offcut. Curved, elongated triangle; RB89 Phase 3; 357/2616/15
Triangular, damaged. Possibly hide-edge; RB89 Phase 3; 357/2616/20
Triangle, damaged. Surviving point curved.; RB89 Phase 3; 357/2616/22
Elongated triangle; RB89 Phase 3; 357/3420/1
Small trapezium; RB89 Phase 3; 357/3420/2
Amorphous torn and cut fragment. Possibly hide-edge; RB89 Phase 3; 357/3420/14
Amorphous hide-edge fragment; RB89 Phase 3; 357/3420/21
Narrow parallel-sided strip; RB89 Phase 3; 357/3420/23
Long narrow strip, both ends taper to a point; RB89 Phase 3; 357/3420/24
Narrow parallel-side strip; RB89 Phase 3; 357/3420/25
Narrow parallel-sided strip; RB89 Phase 3; 357/3420/26
Irregular sub-triangular offcut. Two concave edges meet, the third edge torn. Not hide-edge, too thin for sole leather; RB89 Phase 3; 357/3420/30
Small triangle; RB89 Phase 3; 357/3420/36
Long, narrow sinuous strip; RB89 Phase 3; 358/2358/6
Short, narrow, curved strip; RB89 Phase 3; 358/2358/7
Small semi-circle; RB89 Phase 3; 358/2907/7
Tapering, narrow strip; RB89 Phase 3; 358/2907/8
Parallelogram; RB89 Phase 3; 358/2907/10
Parallelogram; RB89 Phase 3; 358/2907/11
Small parallelogram; RB89 Phase 3; 358/2907/16
Small rounded fragment. Hide edge irregularity; RB89 Phase 3; 358/2907/22
Curving hide-edge fragment; RB89 Phase 3; 358/2907/24
Very thin sliver; RB89 Phase 3; 358/2907/25
Elongated triangle. One deeply concave side; RB89 Phase 3; 358/2907/64
Rectangle; RB89 Phase 3; 358/2907/67
Narrow, tapering strip; RB89 Phase 3; 358/3415/5

- Triangle. Two edges cut; RB89 Phase 3; 358/3415/6
Narrow tapering strip; RB89 Phase 3; 358/3415/9
Very elongated triangle. Edges mainly cut; RB89 Phase 3; 358/3415/12
Irregular width cut strip or strap. Generally tapers to a rounded end, opposite end stretched and torn; RB89 Phase 3; 358/3415/13
Small lunate. Damaged, grain missing; RB89 Phase 3; 358/3415/14
Elongated triangle. Hypotenuse has several miscuts. Other sides cut or hide-edge; RB89 Phase 3; 358/3415/17
Hide edge offcut; RB89 Phase 3; 392/3050/1
Parallel sided, slightly curving offcut, one end rounded, the other tapering; RB89 Phase 3; 684/1560/2
Hide edge offcut; RB89 Phase 3; 684/3101/1-2
Long narrow, slightly curving offcut; RB89 Phase 3; 728/1998/19
Triangle. Stretched and distorted; RB89 Phase 3; 728/1998/22
Torn fragment with one hide-edge – faults. Strain at cut edge. Three parallel cuts on flesh side; RB89 Phase 3; 728/1998/24
Rectangle; RB89 Phase 3; 728/1998/27
Long sinuous offcut; RB89 Phase 3; 728/1998/28
Long narrow offcut with miscuts; RB89 Phase 3; 728/1998/29
Parallel-sided offcut, one end cut at an angle, the other torn; RB89 Phase 3; 728/1998/30
L-shaped fragment; RB89 Phase 3; 728/1998/31
Long narrow sinuous offcut. One end torn, the other divided in two; RB89 Phase 3; 728/1998/37
Ellipse; RB89 Phase 3; 728/1998/38
Sinuous strip; RB89 Phase 3; 728/1998/39
Sinuous strip, miscuts and guide lines; RB89 Phase 3; 728/1998/40
Narrow triangle; RB89 Phase 3; 728/1998/56
Triangle. One concave side; RB89 Phase 3; 728/1998/57
Narrow triangle; RB89 Phase 3; 728/1998/60
Narrow miscut triangle. Guide lines; RB89 Phase 3; 728/1998/6
Long narrow strip; RB89 Phase 3; 728/1998/63
Long narrow triangle; RB89 Phase 3; 728/1998/64
Long narrow triangle; RB89 Phase 3; 728/1998/65
Small, sub-circular offcut; RB89 Phase 3; 728/2532/2
Small triangle. One side miscut, with a 6 mm wide strip partially detached; RB89 Phase 3; 728/2536/2
Small rectangle/parallelogram; RB89 Phase 3; 728/2544/14
Elongated triangle; RB89 Phase 3; 728/2544/16
Small rectangle; RB89 Phase 3; 728/2544/19
Small narrow rectangle; RB89 Phase 3; 728/2544/23
Small parallelogram; RB89 Phase 3; 728/2544/24
Long narrow strip; RB89 Phase 3; 728/2544/25
Narrow shaving; RB89 Phase 3; 728/2544/26
Narrow sinuous shaving; RB89 Phase 3; 728/2544/27
Sinuous shaving; RB89 Phase 3; 728/2544/28
Small diamond-shaped offcut, one concave side; RB89 Phase 3; 728/2544/3
Small trapezium; RB89 Phase 3; 728/2544/32
Elongated triangle. One corner missing; RB89 Phase 3; 728/2544/33
Long narrow shaving. Now curled; RB89 Phase 3; 728/2544/34
Long narrow strip with one convex edge; RB89 Phase 3; 728/2544/35
Long narrow strip, slightly sinuous; RB89 Phase 3; 728/2544/40
Large amorphous fragment. Irregular cut edges and tears. Probably hide-edge; RB89 Phase 3; 728/2546/1
Irregular fragment. Probably hide-edge; RB89 Phase 3; 728/2642/1
Irregular hide-edge offcut. Two possible peg holes from tanning; RB89 Phase 3; 728/2644/1
Long narrow sinuous offcut; RB89 Phase 3; 728/2812/5
Small narrow triangle; RB89 Phase 3; 728/2812/10
Long narrow triangle. Sinuous; RB89 Phase 3; 728/2812/15
Hide edge offcut. Irregular shape. Strongly pulled; RB89 Phase 3; 728/2813/1
Sub-triangular. Hide edge. At least one peg hole; RB89 Phase 3; 728/2813/3
Irregular hide-edge; RB89 Phase 3; 728/2813/4
Sub-triangular hide-edge offcut; RB89 Phase 3; 728/2813/7
Long narrow strip – ends torn. Miscut flesh side; RB89 Phase 3; 728/2833/3
Long narrow leaf-shape; RB89 Phase 3; 728/2833/8

Small trapezium; RB89 Phase 3; 728/2835/3
Half-oval offcut. Tongue-shaped. Possibly
removal of poor area of skin; RB89 Phase 3;
357/3420/32
Sinuous offcut strip. Possibly chamfron offcut;
RB89 Phase 3; 728/1998/58

Waste/sole leather

Triangle, one concave side; RB89 Phase 4;
710/1564

Waste offcut, hide-edge. Series of slits around
irregular edge may be peg holes from tanning;.
RB89 Phase 4; 706/2190/1

Waste/sheet leather

Angular, narrow parallel-sided strip; RB89
Phase 4; 383/2129/1

Small curved triangular offcut; RB89 Phase 4;
706/2190/2

238. (Fig 99) Waste offcut, upper. Offcut from
upper, characteristic scalloped edge.

L: 113 mm; W: 41 mm; Th: 1 mm
RB89 2:2 349/8328/7

239. (Fig 99) Waste offcut, sole, hide-edge.
Irregularly shaped offcut. Possibly includes
eye-hole.

L: +102 mm; W: 54 mm; Th: 2.5 mm
RB89 Phase 2:2; 349/8328/17

240. Waste offcut. Sinuous tapering offcut.
Not from sole.

L: +185 mm; W: 18 mm; Th: 2 mm
RB89 Phase 1:1; 775/3428/1-2

Also:

Waste/sole leather

Torn and cut offcut; RB89 Phase 2:2;
349/8328/3

Triangle; RB89 Phase 2:2; 349/8328/6

Probably originally triangular; RB89 Phase
2:2; 349/8328/8

Elongated triangle; RB89 Phase 2:2;
349/8328/9

Curving narrow, elongated triangle; RB89
Phase 2:2; 349/8328/11

Long narrow strip from round sole; RB89
Phase 2:2; 349/8328/13

Long irregular tapering triangle; RB89 Phase
2:2; 349/8328/16

Irregular offcut; RB89 Phase 2:2; 349/8328/18

Sole offcut; RB89 Phase 2:2; 349/8328/19

Triangle with one concave side; RB89 Phase
2:2; 349/8328/14, 21

Torn and cut fragment. Possibly sole leather;
RB89 Phase 2:2; 349/8328/24

Offcut, Negative sole impression; RB89 Phase
2:2; 349/8328/12

Triangle with one very elongated point and
concave side. Heel negative; RB89 Phase 2:2;
349/8328/20

Irregular triangle with one side deeply concave
and then the point extended; RB89 Phase 2:2;
349/8328/22

Waste/sheet leather

Offcut, torn and cut, irregular; RB89 Phase
2:2; 349/8328/4

Offcut, torn and cut. One concave edge; RB89
Phase 2:2; 349/8328/5

Parallel-sided narrow strip, cut to point at one
end; RB89 Phase 2:2; 349/8328/10

Possible bag or wallet fragments

241. (Fig 99) Bag? panel. Pentagonal panel,
possibly the end of bag. Stitches round all
edges, parallel row inside forms a square.
Corners joined by stitch rows. Curving row
joins apex to bottom in the right-hand corner.
Edges possibly lap seams, thread impressions
on flesh side only. Laminating, poor condition.
L: 148 mm; W: 99 mm; Th: +1.5 mm
RB89 Phase 3; 218/8210/47

242. (Fig 99) Bag? panel. Elongated rectilinear
panel, one end torn, the other cut at an angle.

Some secondary cuts. Irregular running
stitches with no thread impressions on round
all surviving edges. Rectangular settings of
stitches at irregular intervals, corners are also
joined to outer line of stitches. Laminating,
poor condition. Three small fragments
probably join (218/8210/46, /55-56).
L: +550 mm; W: 108 mm; Th: 1 mm
RB89 Phase 3; 218/8210/57

Possible chape

243. (Fig 99) Chape? Seam type I. Folded
curved pocket-like object in very stiff leather.
Cut from single sheet, or very stiff leather
folded in two. Joined with type I seam (turned
in): at one side a small curved hole is punched
through both thicknesses. Possibly part of
pommel but very irregular and untidy stitching.
L: +146 mm; W: 50 mm; Th: 3 mm
RB89 Phase 3; 218/8572/33

Miscellaneous decorative objects

Decorative panels

244. (Fig 100) Decorative panel, embossed. Seam I. Fragment of embossed panel, type I seams on three sides, torn on the other. Clear embossed rectilinear pattern on grain surface, a ridge formed from two separate beads. Thread impressions faint, but a thick thread, possibly round-headed pins in the corners. Thick but supple.

L: 340 mm; W: +125 mm; Th: 2 mm
RB89 Phase 1:2; 405/8354/1

245. (Fig 99) Decorative panel. Originally rectangular sheet with one long edge pinked. Single line of diagonal slash stitches, *c* 3 mm separation, 26 mm from edge. Opposite edge has a single line of stitches *c* 3 mm separation, but only 2 mm from edge. No obvious thread impressions, but all surfaces poor.

L: +282 mm; W: +208 mm; Th: 1 mm
RB89 Phase 2:1; 294/8138/1-4

246. (Fig 100) Decorative panel. Seam III; Hem VI. Three sides of rectangular panel. Type IIIa(i) seam with very small neat stitches (3 mm separation) and very close tunnel stitching, meets a whipped type VI hem which is irregular and uneven, complete at *c* 410 mm long. Meets third, complex side at *c* 90°. Two parallel lines of diagonal slash stitches (45° to edge), 5 mm and 35 mm in, both *c* 3 mm separation. There are between them two ovals, *c* 240 mm apart, with their long axes parallel to the seam edge. Both have a small central ring of stitches, making them resemble eyes. One has a single central stitch. The inner line of stitches has thread impressions on the flesh side, the outer line has none. Differential compression suggests that there was an applied panel over the area of the stitches and it is much better preserved. Torn and folded before deposition.

L: 524 mm; W: 362 mm; Th: 1.5 mm
RB89 Phase 2:1; 6565/8226/1-7

Decorative trimmings

247. (Fig 100) Decorative trim, leaf-shaped. Carefully cut leaf- or heart-shaped object with figure-of-eight cut-out in the centre, possibly a fixing point. Not an offcut but similar to the leaves on chamfron decoration.

L: 56 mm; W: 47 mm; Th: 1.5 mm
RB89 Phase 1:2; 405/3032/1

248. (Fig 100) Decorative trim. Rectangular fragment, one end torn across a line of stitches.

Other end cut to trailing strips and triangles (possibly folded along long axis before this). Very thin. Strips *c* 6 mm wide.

L: +131 mm; W: +63 mm; Th: 0.5 mm
RB89 Phase 3; 342/8350/1

249. (Fig 100) Decorative trim, tassel. Decorative object. Rectangular with end rounded and pinked. Object folded on long axis and cut into five strips from about half its length. Half of top missing, torn across fixing point. See also 250.

L: +164 mm; W: 48 mm; Th: 1 mm
RB89 Phase 3; 728/2833/4

250. (Fig 100) Decorative trim, tassel. Decorative object. Rectangular with end rounded and pinked. Object folded on long axis and cut into five strips from about half its length, two now incomplete, two torn. One has ?redundant stitch holes suggesting re-used leather. Centre of rounded end has two parallel slits, *c* 6 mm apart, presumably to allow for fixing. Strip between the two cut through, suggests fixing difficult to remove. See also 249.

L: 181 mm; W: 61 mm; Th: 1 mm
RB89 Phase 3; 728/2608/1-3

Horse gear

Barding

251. (Fig 101) Horse gear, barding. Part of triangular headpiece. Retains binding of left ear hole, joins patch 252. Worn and fragmentary. Differential preservation between sheet and edge binding.

L: 135 mm; W: 155 mm
RB89 Phase 1:2; 405/3031/1

252. (Fig 101) Horse gear, barding. Length of edge binding enclosing triangular reinforcing patch. Forms one side of headpiece.

L: 150 mm; W: 85 mm; Th: 1.5 mm
RB89 Phase 1:2; 405/3031/2

253. Horse gear, barding. Small triangular fragment. No obvious placing.

L: 40 mm; W: 29 mm; Th: 1 mm
RB89 Phase 1:2; 405/3031/3

254. (Fig 101) Horse gear, barding. Reinforcing or repair panel from right ear. Lower panel.

L: 49 mm; W: 28 mm; Th: 1.5 mm

RB89 Phase 1:2; 405/3031/4

255. (Fig 101) Horse gear, barding. Folded hem binding from right ear hole.

L: 120 mm; W: 12 mm; Th: 1.5 mm

RB89 Phase 1:2; 405/3031/5

256. (Fig 101) Horse gear, barding. Trapezoidal reinforcing/repair panel from right ear hole. Upper panel.

L: 73 mm; W: 31 mm; Th: 1.5 mm

RB89 Phase 1:2; 405/3031/6

257. Horse gear barding. Small torn fragment. Placing not obvious.

L: 50 mm; W: 18 mm; Th: 1 mm

RB89 Phase 1:2; 405/3031/7

258. (Fig 101) Horse gear, barding. Folded hem binding.

L: 336 mm; W: 12 mm; Th: 1.5 mm

RB89 Phase 1:2; 405/3031/8

259. (Fig 101) Horse gear, barding. Folded hem binding.

L: 329 mm; W: 12 mm; Th: 1.5 mm

RB89 Phase 1:2; 405/3031/9

260. (Fig 101) Horse gear, barding. Seam II; Hem IVa. Triangular head piece joins hexagonal sheet 261. Two edges have IVa hems, the leading point is formed by the addition of a triangular patch. All edges are bound as one. The third edge is joined to panel 261 by a type II seam. Two relatively small round holes are placed symmetrically, equidistant from the join and the sides. They are too small for eye-holes and appear to have been under some strain – they have been reinforced and repaired with overlapping patches, one side has been further subsequently oversewn with thongs. Probably ear holes. Both holes are bound.

L: 356 mm; W: +190 mm; Th: 1.5 mm

RB89 Phase 1:2; 405/3031/10

261. (Fig 101) Horse gear, barding. Seam II.. Large hexagonal sheet. Joins 260 with IIb(ii) seam. Both angled sides probably type IIIb(i) seams.

L: 630 mm; W: 360 mm

RB89 Phase 1:2; 405/3031/11

262. (Fig 100) Horse gear, barding. Seam NR.. Rectilinear panel, one complete and two

incomplete seams survive. Two large reinforced oval holes. All seams appear to be NRa(ii) but reinforcing strips must have been very narrow. Flesh side compressed from overlap of panels, and periodic whipping along edge of panel, as if only accidentally caught by the stitching. Thread impressions on flesh side around holes. Inner edge of holes probably bound. An appliqué patch fixed on the inside reduces the keyhole-shaped hole on one side to oval, matching the other hole. Stitching is large wide separation (5–8 mm). A further oval reinforcing panel is applied on the grain side, thread impressions on inside and inner edge of hole probably bound. Object probably folded along long axis. 263–5.

L: +295 mm; W: 425 mm; Th: 1.5 mm

RB89 Phase 3; 209/7530/1

263. (Fig 100) Horse gear, barding. Seam NR. Reinforcing strip, thread impressions on flesh side.

L: +185 mm; W: 15 mm; Th: 1 mm

RB89 Phase 3; 209/7530/2

264. (Fig 100) Horse gear, barding. Approximately round appliqué patch sewn from flesh side to reduce keyhole-shaped hole to elongated oval. Inner edge bound.

L: 93 mm; W: 68 mm; Th: 1.5 mm

RB89 Phase 3; 209/7530/3

265. (Fig 100) Horse gear, barding. Seam NR. Rectangular panel. One seam complete NRa(ii). Joins 262–4 via NRb(ii) seam. Third seam NRa(ii). Just under half way along the long side is a large oval hole identical to those on 262–4 and it is likely that there were originally four oval holes – presumably to go over the saddle horns. The holes were bound. There is also a small patched hole. At one end of the surviving complete seam the stitches are torn through and a row of very different small stitches curves out from the original seam and then runs parallel to it where there is a tear, strongly suggesting a repair. A double row of stitching along one side of the hole also suggests a repair. The inner row of stitching round the hole is tacking.

L: 673 mm; W: +266 mm; Th: 1.5 mm

RB89 Phase 3; 209/7297/1

266. (Fig 100) Horse gear, barding. Small round appliqué patch, repairs 265.

L: 52 mm; W: 52 mm; Th: 1.5 mm

RB89 Phase 3; 209/7297/2

267. (Fig 100) Horse gear, barding. Hem IVa. Short length on hem IVa binding, probably binds edge of oval hole.

L: +42 mm; W: 14 mm; Th: 1.5 mm

RB89 Phase 3; 209/7297/3

268. (Fig 101) Horse gear, barding? Seam III. Torn fragment, very little original edge remains but a IIIb(i) seam meets a IIIb(i) seam at $c 90^\circ$. The second seam only survives for <20 mm. Panel is now only an elongated triangular strip, clearly hacked along the seam edge. Two tears had been very carefully repaired with fine whip stitching (<2 mm separation) on the flesh side only, no stitches penetrate the grain surface. A part of the stitch line of an applied anseate panel lies 350 mm from the seam, and $c 80$ mm in, from the torn edge. The panel may have covered a tear.

L: 583 mm; W: 164 mm; Th: 1.5 mm

RB89 Phase 3; 728/2630/1

Pockets

269. (Fig 101) Horse gear, barding, pocket. Sub-triangular cut object. Folded and cut to a rounded base. Fold forms one side, rounded apex and side probably tacked, stitches 12 mm separation, but no thread impressions survive.

L: 124 mm; W: 180 mm; Th: 1 mm

RB89 Phase 2:2; 107/4589/1, 19, 23

270. (Fig 101) Horse gear, barding, pocket. Sub-triangular cut object. Folded and cut to a rounded base. Fold forms one side, rounded apex and side probably tacked, stitches 7–10 mm separation, but no thread impressions survive. Possibly never sewn, or bound, although there is no sign of compression.

L: 245 mm; W: 108 mm; Th: 1 mm

RB89 Phase 2:2; 124/6913/1

271. (Fig 101) Horse gear, barding, pocket. Sub-triangular cut object. Folded and cut to a rounded base. Fold forms one side, rounded apex and side tacked, but no thread impressions survive. Folded grain side in.

L: 245 mm; W: 140 mm; Th: 2.5 mm

RB89 Phase 3; 728/2814/38

Straps

272. (Fig 101) Horse gear, harness strap? Two lengths of narrow strap 12 mm wide, joined by an insubstantial copper alloy ring 21 mm diameter. Both straps inserted into ring and

doubled back, flesh side out. Both are single thickness but have two parallel rows of paired stitches along the edges. No thread impressions. One end may have been broken and tied whilst the other may have been sewn.

L: na; W: 12 mm; Th: 1.5 mm

RB89 Phase 2:2; 746/3427/1

Chamfron

273. (Fig 102) Horse gear, chamfron. Outer cover chamfron, ear and side of right eye only. Grain side bears stud impressions – originally very fine copper alloy wire in some of stitch holes might suggest decorative stitching. Small, widely-spaced holes around the edges suggest that it was bound. Decorative scheme very similar to those from Vindolanda and Newstead.

L: +270 mm; W: +164 mm; Th: 1 mm

RB89 Phase 3; 728/2560/1

Saddles

274. (Fig 102) Horse gear, saddle? Cut and torn fragment. One seam survives – NRa(ii)?, sewn close to edge; in places there are two lines of stitches. Seam is without doubt curved. At one end stitches torn through. A third line of stitches matches the second line where it exists, and stitches between the two rows are paired, suggesting that it might have been pulled into a decorative bead.

L: +160 mm; W: +54 mm; Th: 1.5 mm

RB89 Phase 2:2; 756/3421/3

275. (Fig 102) Horse gear, saddle, pommel facing. Seam I. Semi-oval fragment. The curved edge has a type I seam all round and the straight seam was originally turned in, now folded flesh to flesh.

L: +133 mm; W: +108 mm; Th: 1 mm

RB89 Phase 3; 379/2778/1

276. (Fig 102) Horse gear, saddle cover. A number of small fragments of saddle cover, deposited still sewn. Appears to derive from rear? pommel. In poor condition. Larger fragments illustrated.

1/ L: +54 mm; W: +39 mm; Th: 0.5 mm

2/ L: +29 mm; W: +36 mm; Th: 1 mm – not illustrated

3/ L: +62 mm; W: +53 mm; Th: 1 mm – not illustrated

4/ L: +14 mm; W: +18 mm; Th: 1 mm – not illustrated

5/ L: +199 mm; W: +138; Th: 1.5 mm

6/ L: +151 mm; W: +66 mm; Th: 1 mm – not illustrated

7/ L: +40 mm; W: +29 mm; Th: 1 mm – not illustrated

8/ L: 77 mm; W: 64 mm; Th: 1.5 mm

9/ L: +78 mm; W: +36 mm; Th: 1 mm – not illustrated

10/ L: +60 mm; W: +36 mm; Th: 1 mm – not illustrated

11/ L: +113 mm; W: +8 mm; Th: 1 mm

12/ L: +105 mm; W: +4 mm; Th: 3 mm – not illustrated

13–14/ L: 146 mm; W: +97 mm; Th: 1 mm

15/ L: +170 mm; W: 29 mm; Th: 1 mm – not illustrated

16/ L: +199 mm; W: +138 mm; Th: 1 mm – not illustrated

17/ L: +41 mm; W: +36 mm; Th: 1 mm – not illustrated

RB89 Phase 3; 392/2983/1–17

277. (Fig 102) Horse gear, saddle, pommel facing. Seam I. Irregular-shaped fragment with inner line of stitches in distinctive hollow-based trapezoidal shape. Thread impressions on inner stitch line but not outer. Small slot in centre of wider end is diagnostic of pommel facing.

L: +167 mm; W: +104 mm; Th: 1.5 mm

RB89 Phase 3; 684/1560/1

278. (Fig 102) Horse gear, saddle, pommel facing? Seam I. Three joining fragments. Asymmetrical tongue-shaped object. Edges not carefully cut. A single line of stitches (type I seam) around the edge, thread impressions on grain side only.

L: +241; W: 99 mm; Th: 1 mm

RB89 Phase 3; 728/2631/1–3

Unidentified Objects

279. Object. Deliberately cut elongated tongue-shaped sheet object.

L: 225 mm; W: 51 mm; Th: 1 mm

RB89 Phase 2:2; 266/8574/1

280. (Fig 102) Object. Small triangular fragment. Possibly cut into strips or may be a very small fragment of decorative shoe upper.

L: 13 mm; W: 21 mm; Th: 1 mm

RB89 Phase 3; 209/7611/3

281. (Fig 102) Object, panel. Seam I? Large rectangular panel with large irregular slashed

stitches on three edges, at *c* 90° to edge.

Possibly sewn with thongs rather than thread.

Leather in poor condition. Differential wear suggests that seams may have been turned over. Related to 282.

L: +307 mm; W: +305 mm; Th: 1.5 mm

RB89 Phase 3; 209/7271/1

282. (Fig 102) Object, panel. Seam I. Torn strip, roughly rectangular. Large slashed stitches along two surviving edges. Some differential wear might suggest overlap, possibly a seam. Possibly thong running through stitches. Related to 281.

L: +481 mm; W: +140 mm; Th: 1.5 mm

RB89 Phase 3; 209/7271/2–3

283. (Fig 102) Object. Lunate fragment.

Irregular stitches, curved seam edge. Inner row slashed with stitches at 45° to other stitches, with evidence for a running thong, whilst the line of stitches nearest the edge is small, even, parallel to the edge, possibly thread impressions on the flesh side. Object folded but it is not clear whether this is deliberate.

Some wear on grain side. Edge irregular in one place and the outer line of stitches turns briefly into whipping. This stitch line has been cut across, possibly indicating re-use of tent panel.

L: +276 mm; W: +52 mm; Th: 1 mm

RB89 Phase 3; 209/7271/4

284. Object. Irregular round-oval with central perforation. Washer??

L: 50 mm; W: 65 mm; Th: +3 mm

RB89 Phase 3; 218/2445/5–6

285. (Fig 102) Object, patch. Rectangular patch, all sides sewn. One corner missing. One edge has large paired chevron stitches at about 90° to edge, thread impressions suggest tacking. One short edge has widely spaced irregular stitches *c* 9 mm separation, parallel to the edge. The other two edges have small, irregularly spaced stitches close to the edges, possibly whipping. Edges certainly distorted but no clear thread impressions.

L: 157 mm; W: 127 mm; Th: 1.5 mm

RB89 Phase 3; 358/3415/15

286. (Fig 102) Object, hem binding. Hem IVb.

Fragment of IVb hem variant. Neat even stitches 2 mm separation, thread impressions on both sides. Careful join with edges skived. Little remains of the bound panel except within

the binding. Possibly related to panel
728/2533-4.
L: +185 mm; W: +19 mm; Th: 1 mm
RB89 Phase 3; 728/2535/1, 728/2534/2

287. (Fig 102) Object. Hem Va. Half oval
object. Circumference carefully hemmed, Va
with even stitches *c* 2 mm separation. Straight
edge ?bound or lap seamed (runs over hem)
again carefully stitched, *c* 5 mm separation.
L: 117 mm; W: 82 mm; Th: 1 mm
RB89 Phase 3; 728/2533/1, 728/2534/1

Other objects

Sheaths

288. Sheath. Small blade sheath made from a
single sub-triangular sheet, doubled and then
wrapped round the blade. Gives grain surface
inside and out. Join was whip stitched with
heavy thread, possibly intended to be
decorative. End of sheath cut into irregular
fringe, one strip split and a second piece
inserted, in order to lengthen it. Top obviously
cut across after sheath made; the considerable
thickness obviously made this difficult and
there are clear sawing marks across the ends of
the leather.

L: 179 mm; W: 110 mm; Th: 1.5 mm
RB89 Phase 3; 218/8295/1

Sheet fragments, some with short lengths of
seam

289. (Fig 102) Sheet. Seam II. Fragment of
IIb(i) seam. Differential wear on grain side.
Thread impressions on flesh side.
L: +270 mm; W: +66 mm; Th: 1 mm
RB89 Phase pre-Roman; 815/3265/1-2

Also:

Torn fragment; RB89 Phase: Pre-Roman;
803/1999/1

290. (Fig 103) Sheet. Hem IVa. Long narrow
fragment cut across chord of a slightly curving
IVa hem. Thread impressions on grain side.
L: +560 mm; W: 53 mm; Th: 1.5 mm
RB89 Phase 1:1; 810/3255/1

Also:

Cut away seam edge IIa(i)? Fold worn; RB89
Phase 1; 810/3258/1

Fragment of IIb(i) seam? Thread impressions
on grain side. Otherwise torn; RB89 Phase 1;
810/3259/1

291. (Fig 103) Sheet. Seam II. Irregular cut
fragment. One IIb(ii) seam. Thread
impressions on flesh side. Cut-outs suggest re-
use for other objects.

L: 132 mm; W: 192 mm; Th: 1.5 mm
RB89 Phase 1:2; 767/2934/1

Also:

Short length of Va hem; RB89 Phase 1:2
216/7294/2;

Torn fragment; RB89 Phase 1:2; 216/7294/3

Cut and torn fragment, seam edge. Only two
stitches survive; RB89 Phase 1:2; 329/7697/2

Torn and cut fragment; RB89 Phase 1:2;
370/8299/1

Small torn fragment with short length IVb
bound hem; RB89 Phase 1:2; 405/3175/1

Small torn and cut rectangular fragment with a
single row of closely spaced stitches, 3 mm
separation, along one edge; RB89 Phase 1:2;
405/3416/7

Torn, thin fragment; RB89 Phase 1:2;
405/3416/11

Torn fragment; RB89 Phase 1:2; 767/2936/1

Also:

Short length of NRb seam; RB89 Phase 2:1;
277/7682/1

Torn and cut fragment. NRb seam; RB89
Phase 2:1; 277/7682/2

Torn and cut fragment. Va hem; RB89 Phase
2:1; 277/7845/1

Cut and torn fragment; RB89 Phase 2:1;
294/8124/1

292. (Fig 103) Sheet. Torn fragment. with one
straight cut edge. Parallel lines of slash stitches
at 12 mm, 28 mm, 39 mm from edge, the latter
torn through. Stitches doubled along part of the
innermost seam, but with large round stitches
and thread impressions on flesh side.

Outermost row might have been tacked.

L: +140 mm; W: +122 mm; Th: 2.5 mm
RB89 Phase 2:2; 772/2987/1-2

293. (Fig 103) Sheet. Straight seamed edge.

Two parallel lines diagonal slash stitches at 11
mm and 28 mm.

L: +133 mm; W: +70 mm; Th: 2 mm
RB89 Phase 2:2; 772/2987/3

294. (Fig 103) Sheet. Edge fragment. Two
parallel lines diagonal slash stitches at 16 mm
and 32 mm. Two very close lines at cut edge;
widely spaced round stitches, the other is

closer slash stitches parallel to edge – torn through. No thread impressions.
L: +66 mm; W: +48 mm; Th: 2.5 mm
RB89 Phase 2:2; 772/2987/8

295. (Fig 103) Sheet. Two parallel lines slash stitches at 19 mm and 34 mm. Thread impressions on grain side. Two lines of stitches close to the edge, large round, wide separation, thread impressions on grain side, and one line very close to edge, 5–6 mm separation, diagonal slash stitches *c* 3 mm separation.
L: +60 mm; W: +48 mm; Th: 2.5 mm
RB89 Phase 2:2; 772/2987/9

Also:

Torn fragment; RB89 Phase 2:2; 107/1567/1–18

Torn fragment; RB89 Phase 2:2; 107/4589/7

Torn fragment. Torn along line of tunnel

stitches (i); RB89 Phase 2:2; 107/4589/8, 9

Torn fragment; RB89 Phase 2:2; 107/4589/10

Torn and cut fragment? RB89 Phase 2:2; 107/4589/12

Torn fragment, heavily folded; RB89 Phase 2:2; 107/4589/18

Torn fragment; RB89 Phase 2:2; 107/4589/20

Torn and cut fragment. Seamed. Irregular stitches with wide separation. Irregular edge; RB89 Phase 2:2; 107/4589/21

Torn fragment; RB89 Phase 2:2; 107/4589/22

Torn fragment. Long narrow strip; RB89 Phase 2:2; 124/1568/1

Torn fragment; RB89 Phase 2:2; 124/1568/3

Torn fragment; RB89 Phase 2:2; 124/1568/18–22

Torn fragment. Odd stitches; RB89 Phase 2:2; 124/2774/3–5, 8

Very small fragment with type III a(i) seam; RB89 2:2; 124/2774/9

Torn and cut fragment. Possibly NRa(ii) seam, but too badly damaged for certainty; RB89 Phase 2:2; 427/1565/18

Torn fragment; RB89 Phase 2:2; 427/1565/19

Torn and cut fragment, seamed; RB89 Phase 2:2; 427/1565/20

Torn fragment, seamed a element; RB89 Phase 2:2; 427/1565/22

Torn fragment; RB89 Phase 2:2; 427/1565/23

Torn and cut fragment. One edge whipped – possibly a repair (52 mm). Meets cut edge at oblique angle; RB89 Phase 2:2; 427/1565/24

Torn fragment; RB89 Phase 2:2; 427/1565/25

Torn and cut fragment, seamed. NRa(ii); RB89 Phase 2:2; 427/1565/26

Torn and cut fragment, seamed. NRa(ii)? RB89 Phase 2:2; 427/1565/27

Torn and cut fragment, seamed. Triangular, with ?beaded seam which is similar to RB89 Phase 2:2; 427/1565/10; 427/1565/28

Torn fragment; RB89 Phase 2:2; 727/2368/3–7

Small fragment with two parallel lines stitches.

One edge survives with two lines stitches, the outer *c* 1.5 mm from edge, is even but in the inner line, 9 mm from edge, slash stitches change direction. ?Parallel to this, 49 mm in, is a short row of widely spaced stitches with

thread impressions on flesh side. No other thread impressions. One end of parallel pair is cut across, with two stitches running at 90° to the rest. Applied panel? not top layer; RB89 Phase 2:2; 727/2369/1–2

Torn fragment. With seam edge – seam not clear, probably NRb or IIb, not clear if there are tunnel stitches; RB89 Phase 2:2; 743/2902/1

Torn fragment; RB89 Phase 2:2; 743/2903/1
Strip of torn NRb seam edge. Stitches at one end are irregular and doubled – repair? RB89 Phase 2:2; 743/3068/1

Very small fragment b element seam. No thread impressions, but edge compression might confirm seam; RB89 Phase 2:2; 743/3069/1

Irregular fragment with one short cut edge. Opposing is torn concave edge associated with, but not parallel to, a curving line of stitches. Folded before deposition, probably without the patch. No thread impressions; 756/3421/1
Torn fragment; 756/3421/2

Torn and cut fragment, long triangular strip; 756/3421/5

Torn fragment. Possibly torn line stitches at one edge. Folded after tearing; 756/3421/7

Torn fragment; 743/3424/2–5

Large fragment sheet. Cut and slashed, torn through stitches at one edge; 743/3424/6
Torn sheet; 743/3424/7–12

Torn fragment; 746/3426/5–8

Torn fragment. No original edge but two parallel lines diagonal slash stitches; 746/3426/9

Torn and cut fragment; 746/3426/10

Extreme panel edge, torn along stitches; 746/3426/11

Three joining and one other fragment, one with semi-circle of stitches towards one edge; 772/2987/4–7

296. (Fig 103) Sheet. Two narrow strips torn panel edge, single line diagonal slash stitches 2 mm separation, joins fragments, thread impressions on flesh side.
L: +189 mm; W: +7 mm; Th: 1.5 mm
RB89 Phase 3; 218/8573/2
297. (Fig 103) Sheet. Edge fragment with three parallel lines of diagonal slash stitches at 15 mm, 32 mm and 50 mm from the edge (panel torn along innermost). A fourth line of stitching runs diagonally between the first and second rows and peters out as it touches the second row. No thread impressions.
1/ L: +220 mm; W: +57 mm; Th: 2 mm
2/ L: +43 mm; W: +43 mm; Th: 2 mm
3/ L: +67 mm; W: +39 mm; Th: 2 mm
4/ L: +43 mm; W: +23 mm; Th: 2 mm
5/ L: +39 mm; W: +55 mm; Th: 2 mm
RB89 Phase 3; 392/3052/1-5
298. (Fig 103) Sheet. Torn fragment, with cut edge and type I seam. At least double thickness. Other fragmentary seam lines but nothing coherent.
5/ L: +78 mm; W: +60 mm; Th: 2 mm
7/ L: +75 mm; W: +59 mm; Th: 2 mm
RB89 Phase 3; 728/1998/5, 7
Also:
Torn fragment; RB89 Phase 3; 65/51/8246/4
Torn and cut fragment, seamed. IIIa(i) seam. Very fine, *c* 1 mm separation; RB89 Phase 3; 65/51/8246/6
Torn fragment, small; RB89 Phase 3; 174/1558/5
Torn fragment; RB89 Phase 3; 174/1558/14-15, 17
Torn and cut fragment. Seamed b panel; RB89 Phase 3; 174/1558/18
Torn fragment; RB89 Phase 3; 174/1558/19, 21
Torn fragment. Torn then folded prior to deposition. Wear line along one edge runs at 90° to line of grain. Part torn along this wear; RB89 Phase 3; 205/1559/4
Small fragment with b seam element, probably NR, too badly damaged to see tunnel stitches. Stitches even, *c* 4 mm separation. No thread impressions; RB89 Phase 3; 209/3417/1-2
Triangular fragment, one side torn. Line of stitches, no thread impressions but compressed edge. Stitches 4 mm from edge, 6 mm separation. Small neat stitches *c* 1 mm from edge, *c* 1.5 mm separation.; RB89 Phase 3; 209/3417/4
- Small seamed fragment; RB89 Phase 3; 209/3417/5
Torn fragment, very crumpled; RB89 Phase 3; 209/3417/10, 14, 16-18
Small torn fragment. Folded seam with only a single stitch remaining, probably 'a' element. Thread impressions on flesh side; RB89 Phase 3; 209/3417/19
Small torn fragment; RB89 Phase 3; 209/3417/20-21
Small fragment, one side cut. Single stitch, no thread impressions; RB89 Phase 3; 209/3417/24
Small seamed fragment, widely spaced stitches. No thread impressions. Folded obliquely. Some possible discoloration marking line of second sheet; RB89 Phase 3; 209/3417/25
Torn fragment, half-oval. Straight edge has IVa hem. No thread impressions. Edges worn and torn; RB89 Phase 3; 209/3417/26
Small seamed fragment; RB89 Phase 3; 209/3417/27-28; Torn and cut fragment, seamed edge. Long narrow strip from b element; RB89 Phase 3; 209/7249/1
Torn fragment; RB89 Phase 3; 209/7253/6-7, 9-14
Torn and cut, seam edge. Possibly type I seam. Stitches 4.5 mm separation; RB89 Phase 3; 209/7253/15
Torn fragment. Some edges may be cut – not clear; RB89 Phase 3; 209/7253/16
Torn fragment. One edge possibly cut; RB89 Phase 3; 209/7253/17-23
Torn and cut fragment. Irregular fragment with cut curved edge. Probably offcut; RB89 Phase 3; 209/7253/24
Torn fragment; RB89 Phase 3; 209/7253/25-35, 38-40
Torn and cut fragment, seam edge, b element. Stitches even, 3 mm separation. No thread impressions; RB89 Phase 3; 209/7253/36
Torn and cut fragment. Large, probably cut-up tent panel but no stitch lines preserved; RB89 Phase 3; 209/7253/37
Torn and cut fragment; RB89 Phase 3; 209/7611/1, 4, 6-9
Small fragment of a element seam. Thread impressions on flesh side; RB89 Phase 3; 209/7611/19
Parallel-sided cut strip; RB89 Phase 3; 209/7611/20
Torn and cut fragment; RB89 Phase 3; 209/7611/21, 23
Torn fragment; RB89 Phase 3; 209/1-3

- Large torn fragment, two short lines stitches form 90°, but clearly not a corner. May be a bound hem, but not clear; RB89 Phase 3; 218/7296/1-2
- Torn fragment; RB89 Phase 3; 218/7610/3, 6, 8
- Torn and cut fragment, seam edge. Other edges secondary cuts. IIb(ii) seam, thread impressions on flesh side; RB89 Phase 3; 218/8210/4
- Small torn and cut fragment, seam edge. No thread impressions. Unusually stiff; RB89 Phase 3; 218/8210/5
- Torn fragment, single curved line stitches; RB89 Phase 3; 218/8210/8
- Torn fragments; RB89 Phase 3; 218/8210/9, 11-13, 26-32, 34-35, 39, 44
- Torn and cut fragment, seam edge. NRa(ii) seam not VI hem. Secondary cutting; RB89 Phase 3; 218/8210/14
- Torn and cut fragment, seamed. Single line wide spaced stitches; RB89 Phase 3; 218/8210/37
- Torn and cut fragment, seamed. Triangular, hypotenuse has three whipped stitches; RB89 Phase 3; 218/8210/40
- Torn fragments. Join; RB89 Phase 3; 218/8362/4-6
- Torn fragment; RB89 Phase 3; 218/8362/7
- Torn and cut fragment, seamed. Neat line of small stitches close to edge. No thread impressions but edges compressed; RB89 Phase 3; 218/8362/8
- Torn and cut fragment. Irregular, possibly secondary cuts; RB89 Phase 3; 218/8362/12
- Torn and cut fragment, seamed. Possibly b element; RB89 Phase 3; 218/8572/21
- Torn fragment; RB89 Phase 3; 218/8572/22-23
- Torn and cut fragment, seamed; RB89 Phase 3; 218/8572/24
- Torn and cut fragment, seamed. Short length neat double seam, one very close to edge, 2 mm separation, the other 5 mm in, 6 mm separation. No thread impressions but compression on flesh side suggests overlap; RB89 Phase 3; 218/8572/25
- Torn and cut fragment; RB89 Phase 3; 218/8572/26-28
- Very small torn fragment; RB89 Phase 3; 218/8573/7
- Possibly last torn-away vestige of IIIa seam; RB89 Phase 3; 218/8573/8
- Torn and cut fragment. Folded; RB89 Phase 3; 218/8573/10
- Torn and cut fragment; RB89 Phase 3; 246/1562/1-4, 10
- Small fragment IIIa(ii) seam; RB89 Phase 3; 246/1562/11
- Torn and cut fragment; RB89 Phase 3; 262/1534/6
- Torn fragment; RB89 Phase 3; 262/1563/1
- Torn and cut fragment. Va hem; RB89 Phase 3; 285/8125/1
- Very small triangular fragment with whipped seam edge. Possibly fragmentary reinforcing strip; RB89 Phase 3; 285/8125/2
- Torn, cut and sewn fragment. Curving tear is loosely whipped; RB89 Phase 3; 326/8189/1
- Torn, cut and sewn fragment. Small tear carefully whipped; RB89 Phase 3; 326/8189/3
- Torn fragment; RB89 Phase 3; 342/8350/2
- Torn fragments; RB89 Phase 3; 353/8314/1-2, 7
- Torn and cut fragment, seamed. Only four stitches survive; RB89 Phase 3; 353/8314/11
- Torn fragment, with one surviving seam edge, possible NRb(i). No thread impressions. Careful even stitches; RB89 Phase 3; 353/8314/12
- Cut and torn fragment. Rectangular. A short length of curved stitching survives at one narrow end. Whipped, thread impressions on flesh side. Folded prior to deposition; RB89 Phase 3; 357/1803/2
- Cut and torn fragment; RB89 Phase 3; 357/2616/23-24, 31, 36, 53
- Torn and cut fragment or strip. Two edges cut approximately parallel; RB89 Phase 3; 357/2616/54
- Torn fragment. Tapers, may have been cut; RB89 Phase 3; 357/2616/68
- Torn fragment; RB89 Phase 3; 357/2616/75
- Torn and cut fragment. Two cut sides; RB89 Phase 3; 357/2616/76
- Torn fragment; RB89 Phase 3; 357/2616/78, 80, 92, 95, 99
- Torn fragment; RB89 Phase 3; 357/3089/2
- Torn and cut fragment. Cut edge curves, with c 9 mm separation large stitches, no thread impressions. 64 mm from this line is a whipped repair. Tongue-shaped. One narrow edge is cut and carefully folded over to make a neat edge, but not sewn; RB89 Phase 3; 357/3107/1
- Torn fragment. Long strip; RB89 Phase 3; 357/3120/1
- Torn fragment, no stitching; RB89 Phase 3; 357/3345/1

- Torn and cut fragments; RB89 Phase 3; 357/3420/11, 13, 17–20, 22
Torn and cut fragment. One curving cut edge; RB89 Phase 3; 357/3420/28
Torn fragment. One short length of stitching (c 50 mm) Stitches 2–4 mm separation. No tunnel stitches, no thread impressions but discoloration on grain side suggests overlap – perhaps mend, possibly whipped; RB89 Phase 3; 357/3420/33
Torn and shredded fragment. No stitching; RB89 Phase 3; 357/3420/35
Cut strip, ends torn. Irregular sides suggest that it is not a deliberately cut strap. Odd stitch holes; RB89 Phase 3; 358/2436/1
Torn fragment; RB89 Phase 3; 358/2480/1
Torn fragment, possibly tent panel; RB89 Phase 3; 358/2612/1
Small torn fragment, some stitching. Two edges meet at 90°; RB89 Phase 3; 358/2907/42
Torn fragment. No stitches; RB89 Phase 3; 358/3021/2
Torn fragment; RB89 Phase 3; 358/3021/3–4
Torn fragments; RB89 Phase 3; 358/3415/1–4, 8, 16
Torn fragment. Two thicknesses, torn together; RB89 Phase 3; 392/2971/1–2
Folded edge of stiff leather with a row of stitches close to cut edge. Thread impressions on grain side. Not a hem or an 'a' element; RB89 Phase 3; 684/2013/1
Torn fragment; RB89 Phase 3; 684/3101/3
Torn IIb(ii) seam edge. Thread impressions on flesh side for inner stitch line. Narrow twisted fragment; RB89 Phase 3; 728/1998/1
Triangular fragment, two edges cut.
Laminated, grain missing; RB89 Phase 3; 728/1998/2
Torn seam fragment. Stitches 5 mm in, thread impressions on grain side. Other stitches but preservation poor; RB89 Phase 3; 728/1998/4
Torn fragment, one edge is type I butt seam. Second line stitches, at 90°, curves. Some differential wear; RB89 Phase 3; 728/1998/6
Torn fragment. Paired stitches indicated a repair, possibly also patched, but no differential wear; RB89 Phase 3; 728/1998/9
Torn fragment of IIb(ii) seam. Thread impressions on flesh side. Differential wear on outside; RB89 Phase 3; 728/1998/10
Torn fragment. Seamed edge type IIIb, tunnel stitches torn through or two parallel lines of stitches 5 mm and 23 mm from the cut edge. Very worn, possibly folded along inner row on grain side. First row small oval stitches, second longer stabbed stitches; RB89 Phase 3; 728/1998/11
Torn fragments; RB89 Phase 3; 728/1998/14–16, 18, 20–21, 23, 44, 46
Torn and cut fragment, seamed. One edge has turned type I seam, line of stitches 3 mm from the edge; RB89 Phase 3; 728/1998/26
Torn and cut fragment with short length of type I seam, 3 mm in, second cut edge meets this at 90°. Worn, except within seam; RB89 Phase 3; 728/1998/45
Torn fragment. Crumpled and laminated; RB89 Phase 3; 728/1998/48
Torn and extensively recut fragment. NRb(ii) seam edge. A small hole has been patched with a sub-rectangular patch on flesh side – impression remains. Faint thread impressions on flesh side – whipped? RB89 Phase 3; 728/1998/53
Torn and cut fragment IIIb(ii) seam. Tunnel stitches torn through; RB89 Phase 3; 728/1998/54
Torn fragment; RB89 Phase 3; 728/1998/55
Torn and cut fragment – cut edge has fine seam c 3 mm from edge. Small stitches, 1 mm across, <3 mm separation. Possibly bound, compressed both sides. No thread impressions; RB89 Phase 3; 728/1998/59
Torn fragment; RB89 Phase 3; 728/1998/66–67
Torn fragment, seamed. NRA(i)? and b seam. Very narrow with fine stitches 2 mm separation. <5 mm fold to tunnel; RB89 Phase 3; 728/2463/1–3
Small torn fragment; RB89 Phase 3; 728/2463/4
Torn fragment; RB89 Phase 3; 728/2475/1
Torn and cut fragment. Folded prior to tearing; RB89 Phase 3; 728/2522/1
Torn fragment; RB89 Phase 3; 728/2532/3
Small fragment, very crumpled. Remnant of b seam; RB89 Phase 3; 728/2566/5
Rectangular? panel. No stitches. Prepared for use – re-use? RB89 Phase 3; 728/2596/1
Torn and cut fragment, in seven fragments after conservation. Small slashed areas but no pattern; RB89 Phase 3; 728/2602/1
Torn and cut fragment, two NRb seams meet at 90°. Fine and careful stitches, no thread impressions; RB89 Phase 3; 728/2634/1
Torn and cut fragment; RB89 Phase 3; 728/2812/2–3
Torn fragment. Type IIIa(ii) seam. Stitches irregular but c 7 mm separation. No thread impressions; RB89 Phase 3; 728/2813/2

Rectilinear fragment. Two sides cut at 90°, two sides torn. Oval hole cut from one end, *c* 14 mm in. Laminated. Miscut on flesh side; RB89 Phase 3; 728/2813/11

Torn fragment; RB89 Phase 3; 728/2814/2-4

Torn and cut fragment, seamed. Slash stitches at 90° to cut edge. No thread impressions; RB89 Phase 3; 728/2814/5-6

Torn and cut fragment. Cut edge has tunnel stitches – possibly tent panel; RB89 Phase 3; 728/2814/14

Torn fragments; RB89 Phase 3; 728/2814/19-23, 25-28, 30, 35

Torn fragment; RB89 Phase 3; 728/2815/2, 4

Torn strip; RB89 Phase 3; 728/2831/1

Torn and cut fragment; RB89 Phase 3; 728/2831/2, 5

Torn fragments. Grain surface abraded; RB89 Phase 3; 728/2833/14-17, 20

Torn and cut fragment; RB89 Phase 3; 728/2835/1, 4

Strip, sides cut, ends torn; RB89 Phase 3; 728/2835/5

Torn and shredded; RB89 Phase 3; 728/2837/4-8

Torn fragment; RB89 Phase 3; 728/3496/2

Also:

Torn fragment; RB89 Phase 4; 706/3422/1-3

Rectilinear fragment, two sides cut, one possibly so. Folded before deposition.

Incorporates tear/repair whipped from inside; RB89 Phase 4; 710/2141/1

Torn and cut fragment, seamed. Short length of seam edge b element but not further defined. A single large slashed hole cut from flesh side; RB89 Phase 4; 712/2187/1

Torn fragment; RB89 Phase 4; 755/2906/1

Also:

Torn fragment; RB89 Phase 4:2; 91/8126/1-3

Torn and cut fragment. Two isolated stitches; RB89 Phase 4:2; 274/7809/1

Torn and cut fragment, seamed edge. Only one stitch remains, torn along stitch line; RB89 Phase 4:2; 274/7809/2

Torn and cut fragment, seamed edge. Multiple folds. Laminating and crumbling; RB89 Phase 4:2; 274/7809/3

Torn fragment; RB89 Phase 2:2; 349/8328/2

Torn and cut fragment, seamed. Seam possibly type IIb(i); RB89 Phase 2:2; 349/8328/15

Torn and cut fragment. Possibly secondary offcut; RB89 Phase 2:2; 349/8328/23

Torn and cut fragment; RB89 Phase 2:2; 349/8328/25

Torn and cut fragment. Two seams meet at acute angle in sub-triangular fragment. The longest has even slash stitches *c* 1.5 mm from edge, 3 mm separation. No thread impressions. Other seam has round holes *c* 6 mm separation, 9 mm from edge, no thread impressions.

Secondary cutting suggests re-use; RB89 Phase 2:2; 349/8232/2

Torn fragment; RB89 Phase 1:2; 368/9241/1-3

Torn fragment; RB89 Phase 4:2; 735/2796/1

Shield Cover?

299. (Fig 103) Shield cover? Torn strip with curving folded edge. IVa hem – irregular stitches poorly preserved.

L: +716 mm; W: +220 mm; Th: 1.5 mm
RB89 Phase 3; 684/3100/1

Shoes

300. (Fig 103) Nailed sole unit, left foot. Worn insole. Tread margins damaged. Margins skived. Two rows nails outside and around tread on inside. Slender pointed toe, worn, imprint of big and second toe and heel – small, possibly female.

L: +209 mm; W: 82 mm; Th: 2 mm;
RB89 Phase 1:2, 767/2944/1

Also:

Nailed sole unit. Midsole packing. Tread outer margin; RB89 Phase Unstratified; 3999/8770/1

Nailed sole unit. Sole fragment; RB89 Phase 1:2; 345/8326/2

Nailed sole unit, left foot. Worn insole. Tread margin and seat missing. L: 200 mm; W: +84 mm; Th: 3 mm; RB89 Phase 1:2; 405/3416/8-10

Nailed sole unit, right foot. Midsole. Single line of thonging along long axis. Worn. Margin missing at tread and seat. L: 232 mm; W: +79 mm; Th: 1 mm; RB89 Phase 1:2; 408/8356 /8355/1

Nailed sole unit. Torn heel stiffener; RB89 Phase 1:2; 767/2930/1

301. (Fig 103) Shoe, one-piece, T-seam. Small one-piece shoe. Flesh to flesh stitches. Loops torn and missing. Cusps between loops. L: 185 mm; W: +148 mm; Th: 1.5 mm
RB89 Phase 2:2; 107/4589/15-16

302. (Fig 103) Shoe, nailed sole unit, left foot. Insole of composite sole, thonged and nailed. Child size. Odd irregular nail holes. Worn. L: 165 mm; W: 60 mm
RB89 Phase 2:2; 124/6863/1

303. Nailed sole unit. Internal packing, composite sole. Two or three layers. L: 111 mm; W: 33 mm
RB89 Phase 2:2; 124/6864/1

Also:

Nailed sole unit. Midsole fragment. All margins missing or badly damaged. L: +222 mm; W: +77 mm; Th: 1 mm; RB89 Phase 2:2; 107/4589/25–26

Nailed sole unit. Multi-layered nailed shoe. Tread and toe only survive. At least three layers. Nailed at margins and tread. Also small fragments (/1–/17). L: +74 mm; W: 68 mm; Th: +9 mm; RB89 Phase 2:2; 266/8267/1–18

Nailed sole unit. Nailed sole margin fragment. Five nails in situ. L: +96 mm; W: +47 mm; Th: 2 mm; RB89 Phase 2:2; 376/3118/1

304. Shoe, unnailed, left foot. Insole, torn at waist (seat missing). No evidence for nails. Outer margin damaged. Thonged at waist and toe and seat, inside and out. Folded at seat. Worn, foot impression. L: +150 mm; W: 82 mm; Th: 1.5 mm
RB89 Phase 3; 208/8190/1

305. (Fig 103) Shoe, stitched, left foot. Sole of stitched shoe. Grain side down. Very worn, possibly holed. Seat margin missing. Tunnel stitches around edges. Insole survives, no midsole. Cross thonging. Insole is substantially narrower. Skived edges reduce thickness. Tunnel stitches, much more frequent than usual, at 90° to edge, form a clear ridge. Edge of outside seat missing. Worn. 1/ L: 253 mm; W: 82 mm; Th: +3 mm
2/ L: +258 mm; W: 96 mm; Th: 4 mm
RB89 Phase 3; 209/7248/1–2

306. Shoe, stitched. Stitched upper. Very poor and shattered. No indication of shape. L: +93 mm; W: +52 mm; Th: 2 mm
RB89 Phase 3; 209/7248/3

307. Shoe, stitched. Fragment, one edge stitched close to edge. Too fragile to examine closely: possibly vamp seam. Opposing edge

torn along pronounced fold, possibly line of sole/upper. Trapezoidal. L: 95 mm; W: 76 mm; Th: 2 mm
RB89 Phase 3; 209/7248/4

308. (Fig 103) Shoe, sandal, left foot. Left mid or insole? No evidence for nailing, thonged all round the edge. Tread margin and toe missing. Possibly thongs at waist and toe. L: +253 mm; W: 108 mm; Th: 1.5 mm
RB89 Phase 3; 209/7295/1

309. Nailed sole unit, right foot. Fragments /1 and /2 form a single nailed sole unit. /1 is insole (fragmentary) and midsole. Three thongs, toe and seat decayed. Outer sole layer incomplete, nailing pattern not determined. Upper missing. L: 264 mm; W: 96 mm; Th: 16 mm
RB89 Phase 3; 209/7534/1–2

310. Nailed sole unit, left foot. Midsole. Small. Seat missing. Some of outer sole present, very worn. Thonged. L: +131 mm; W: 65 mm; Th: 1.5 mm
RB89 Phase 3; 218/7512/1

311. Nailed sole unit, right foot. Midsole fragment. Heavily thonged and nailed – the nails are probably a repair since the nail holes do not respect the thonging. L: +162 mm; W: +88 mm; Th: 1.5 mm
RB89 Phase 3; 218/8151/1

312. Nailed sole unit. Fragment of upper of nailed shoe. L: +140 mm; W: +33 mm; Th: 1.5 mm
RB89 Phase 3; 218/8210/33

313. Shoe? Rectangular? fragment, three edges survive, two opposing are pierced in pairs for thongs, impressions on grain surface. Possibly insole fragment. Some possible nail holes. Third original edge has a line of whipped stitching. Possibly a shoe repair. L: +91 mm; W: +82 mm; Th: 2 mm
RB89 Phase 3; 218/8210/54

314. (Fig 103) Nailed sole unit, right foot. Right insole, nailed shoe. Worn, nails worn through. Torn across tread. Thronged at seat and tread. Double row of nails at outside, single inside, irregular clump at seat. L: +229 mm; W: 100 mm; Th: 2.5 mm
RB89 Phase 3; 218/8293/1

315. Nailed sole unit, left foot. Seat missing, sole and insole, midsoles decayed. Two lines nailing and single central nails. Worn. Cut at seat as if deliberate. Inside cut and worn. B1 type nailing.

RB89 Phase 3; 218/8294/1

316. Nailed sole unit. Heel stiffener. Complete, two rows of nails both sides. Worn and trodden down.

L: 94 mm; W: 94 mm; Th: 2 mm

RB89 Phase 3; 218/8297/1

317. (Fig 103) Nailed sole unit. Sole fragment, composite nailed. Midsole and insole absent. Type B nailing with clusters at tread and seat. Inner line fades out. Worn at tread.

L: 305 mm; W: 107 mm; Th: 2.5 mm

RB89 Phase 3; 218/8351/1-20

318. Nailed sole unit, left foot. Join to form midsole fragment. Appears to have row of stitches around margin.

L: +200 mm; W: 130 mm; Th: 1 mm

RB89 Phase 3; 218/8572/8-10

319. (Fig 103) Nailed sole unit. Appears to be repair for tread. Thick leather patch nailed to exterior.

L: +97 mm; W: +64 mm; Th: 3 mm

RB89 Phase 3; 218/8572/18

320. (Fig 103) Nailed sole unit, left foot. Thonged and possibly nailed shoe. Thonged around edges. Small fragment of insole survives. Tread to toe margin survives, three layers.

L: +105 mm; W: 91 mm; Th: 4 mm

RB89 Phase 3; 262/1534/ 8-12

321. (Fig 104) Nailed sole unit. Sole, composite. Complete sole unit, outer sole damaged at tread and margin. Two rows of nails around the margin and a small clump at the tread. Complete insole. Worn. Unusually large.

L: 308 mm; W: 108 mm; Th: 11 mm

RB89 Phase 3; 353/8248/1

322. (Fig 103) Nailed sole unit, right foot. Outer sole layer with some nails in situ. Probably grain outer-most. Flesh side bears two converging cuts. Type C? nailing. Two rows around edge – break under outside tread and again at seat. One or two extra nails

between rows at seat, cluster at tread in straight line. Toe margin missing, worn tread.

L: +284 mm; W: +84 mm; Th: 3 mm

RB89 Phase 3; 357/3254/1

323. (Fig 104) Nailed sole unit, right foot. Complete sole unit. Outer sole damaged, five layers, 3+ mm thick. Inside worn, decorated with pairs of stamped circles at tread and waist, and a single circle equidistant between. Nail heads show through. Thong above circles at tread and outer tread edge. Midsoles thonged together but thongs do not survive. Layer two has possible lasting margin. Toe margin cut to show big and next toe. All layers 3 mm thick.

L: 235 mm; W: 87 mm; Th: 20 mm

RB89 Phase 3; 358/2817/1

324. Shoe, one piece. Three joining and three small fragments of one piece shoe, lobed between the lacing loops.

L: +137 mm; W: +76 mm; Th: 1.5 mm

RB89 Phase 3; 703/1561/1-3

Also:

Shoe, one piece. Cut up fragments of one piece shoe. Very worn. L: +270 mm; W: 68 mm; Th: 1.5 mm; RB89 Phase 3; 65/51/8246/1-3, 5

Nailed sole unit. Outer sole fragment, cut by heads of hobnails, probably removed before deposition. Two rows nails at margin. L: +104 mm; W: +47 mm; Th: 2.5 mm; RB89 Phase 3; 174/1558/ 1

Nailed sole fragment, small; RB89 Phase 3; 174/1558/2-4, 6-9

Nailed sole fragment. Tread and margins only. Single thong mid-tread; RB89 Phase 3; 174/1558/10-13

Nailed sole unit, left foot. Sole element, composite. Midsole. L: 223 mm; W: 91 mm; Th: 1 mm; RB89 Phase 3; 174/9828/1-6

Nailed sole unit, left foot. Insole fragment. Worn with foot impressions. Thonged at seat and tread. Nails worn through, missing above tread. L: +200 mm; W: 75 mm; Th: 4 mm; RB89 Phase 3; 218/2092/1

Nailed sole unit. Torn, midsole packing? Thonged; RB89 Phase 3; 218/7610/9

Nailed sole unit. Midsole or packing fragment; RB89 Phase 3; 218/8182/1

Nailed sole unit. Sole element, grain side; RB89 Phase 3; 218/8193/2-4

- Nailed sole unit. Nailed and thonged, tread only. L: +105 mm; W: +54 mm; Th: 2 mm; RB89 Phase 3; 218/8210/1
- Nailed sole unit. Nailed and thonged fragment; RB89 Phase 3; 218/8210/2
- Nailed sole unit. Midsole packing; RB89 Phase 3; 218/8210/7
- Small sole fragments; RB89 Phase 3; 218/8210/19–25
- Nailed sole unit. Heel stiffener. Small fragment; RB89 Phase 3; 218/8210/51
- Nailed sole fragments, at least two rows nails. Poorly preserved. L: +127 mm; W: +47 mm; Th: 12 mm; RB89 Phase 3; 218/8301/1–4
- Nailed sole fragments; RB89 Phase 3; 218/8362/11
- Nailed sole fragments; RB89 Phase 3; 218/8572/1–5
- Nailed sole fragments; RB89 Phase 3; 218/8572/6–7
- Nailed sole unit. Midsole fragment; RB89 Phase 3; 218/8572/11–12
- Nailed sole fragments; RB89 Phase 3; 218/8572/13–14, 16
- Nailed sole unit. Multi-layered sole. L: +101 mm; W: 60 mm; Th: 5 mm; RB89 Phase 3; 218/8572/17
- Nailed sole fragments; RB89 Phase 3; 218/8572/30–32
- Nailed sole unit. Small sole margin fragment; RB89 Phase 3; 218/8573/6
- Nailed sole fragments; RB89 Phase 3; 218/8573/13–14
- Nailed sole fragment; RB89 Phase 3; 262/1534/5
- Nailed sole fragment; RB89 Phase 3; 262/1534/13
- Nailed sole fragment; RB89 Phase 3; 262/1534/14
- Nailed sole unit. Outer margin tread. Midsole; RB89 Phase 3; 262/1534/16
- Nailed sole unit. Insole. Worn, thonged; RB89 Phase 3; 262/1534/17
- Nailed sole unit. Insole, midsole association. Fragments 1–8 very small, 9–11 form tread and seat of multi-layer sole. Deliberately folded in two. L: +160 mm; W: +67 mm; Th: +5 mm; RB89 Phase 3; 262/2000/1–13
- Nailed sole unit. Worn insole. Probably cut up. Two pairs thong holes on tread. L: +161 mm; W: +72 mm; Th: 3 mm; RB89 Phase 3; 348/8216/1
- Nailed sole fragment; RB89 Phase 3; 353/8314/8
- Nailed sole fragment. Very small; RB89 Phase 3; 353/8314/9
- Nailed sole unit. Midsole, small; RB89 Phase 3; 353/8314/10
- Nailed sole unit. Irregular element of midsole packing. Triangular or tongue-shaped. L: 74 mm; W: 38 mm; Th: 1 mm; RB89 Phase 3; 357/1803/1
- Nailed sole unit, left foot. Left insole, nailed sole unit. Tread and above missing. Worn, nails beginning to penetrate. L: +210 mm; W: +75 mm; Th: 2.5 mm; RB89 Phase 3; 357/3073/1
- Nailed sole unit, right foot. Worn insole. Outside margin badly damaged, inner margin damaged at tread. Stumps of nails. Nail pattern is two rows round edge at seat and waist, single nail in seat. Tread not clear. Thonging at 65 mm and 200 mm from seat margin. Thong survives but poorly preserved, 6 mm wide. L: 278 mm; W: +70 mm; Th: 4 mm; RB89 Phase 3; 357/3095/1–2
- Nailed sole unit, right foot. Almost complete insole. Margin damaged. Grain uppermost. Worn. Nails penetrate. Depression on flesh side might reflect lasting margin. Midsole, outside margin missing above waist. Flesh uppermost. Single row of nails around margin, single nails seat and tread. Possible outer row around tread. L: +240 mm; W: +78 mm; RB89 Phase 3; 357/3103/2–7
- Nailed sole fragment. Grain uppermost – polished from use. Edges skived. Worn through to nails. Nails survive at waist but no pattern; RB89 Phase 3; 357/3220/1
- Nailed sole unit, right foot. Sole fragment, only outer margin of tread. At least two rows of nails and cluster at tread. Pattern not determined. A single detached nail survives. L: +125 mm; W: +60 mm; Th: +2 mm; RB89 Phase 3; 357/3225/1–2
- Nailed sole fragment of midsole packing. One side convex. Several widely-spaced nail holes; RB89 Phase 3; 357/3420/4
- Nailed sole unit. Midsole fragment; RB89 Phase 3; 357/3420/27, 29
- Nailed sole unit. Midsole fragment, folded in two. L: +125 mm; W: 45 mm; Th: 1 mm; RB89 Phase 3; 357/3420/31
- Nailed sole unit. Small fragments tread margin; RB89 Phase 3; 358/2511/1–9
- Shoe, one-piece. Very small fragment. One-piece shoe loop; 358/2907/2
- Nailed sole unit. Midsole packing? RB89 Phase 3; 375/8315/4

Nailed sole unit. Small fragment, two layers, nailed sole unit; RB89 Phase 3; 728/1998/3
Nailed sole unit. Small leaf-shaped fragment of midsole packing. Two rows nail holes; RB89 Phase 3; 728/1998/8
Nailed sole unit. Torn fragment insole. One pair thong holes survive; RB89 Phase 3; 728/2814/10
Nailed sole fragment insole; RB89 Phase 3; 728/2814/11
Nailed sole unit. Small fragment insole; RB89 Phase 3; 728/2814/12
Nailed sole unit? Rectangular cut fragment. One long tunnel stitch suggests insole. Very stiff. Deliberately cut up; RB89 Phase 3; 728/2814/18
Nailed sole unit. Heel stiffener; RB89 Phase 3; 728/2814/36-37

325. Nailed sole unit, left foot. Only outer margin of sole. At the waist, there are impressions of bracing. Single row nails. Probably thonged around margin.
L: 231 mm; W: 64 mm; Th: 3 mm
RB89 Phase 2:1; 91/6732/1

326. (Fig 104) Nailed sole unit, right foot. Insole and midsole, latter skived. Thonged at waist and toe and also each margin at tread. Nails irregularly spaced at margin. Both layers grain side uppermost. Single short fragment of thonging survives at toe. Other fragments are very degraded midsole and upper. Probably lasting margin. Only insole and fragment of upper shown.
L: 237 mm; W: 74 mm; Th: +8 mm
RB89 Phase 2:1 ; 91/7875/1-5, 7-9

327. (Fig 104) Sole unit. Worn insole, possibly nailed at margin. Row of large tunnel stitches on flesh side form a raised ridge. Skived edges, cuts along lines of stitches and also cuts suggesting thonging. Worn, foot impression, three parallel cuts across tread. Female?
L: 218 mm; W: 63 mm; Th: 3 mm
RB89 Phase 2:1; 91/7876/1

328. (Fig 104) Shoe, one piece. One piece shoe fragments. Single ankle loop and back seam only and detached side loop (not illus). Seat very worn.
1/ L: +87 mm; W: +33 mm; Th: 4 mm
2/ L: +68 mm; W: +77 mm; Th: 3 mm
3/ L: +113 mm; W: +70 mm; Th: 3 mm
RB89 Phase 4:2; 292/7874/1-3

329. (Fig 104) Nailed sole unit. Heel stiffener. Worn.
L: 75 mm; W: 40 mm; Th: 1.5 mm
RB89 Phase 2:2; 349/8232/1

Also:
Nailed sole unit. Midsole fragment. Thonged; RB89 Phase 5:1; 175/7234/ 1
Nailed sole unit. Midsole fragment; RB89 Phase 5:1; 175/7234/ 2
Nailed sole unit. Midsole fragment. Tread margin only. Thonged; RB89 Phase 5:1; 175/7234/ 3
Nailed sole unit. Midsole fragments; RB89 Phase 5:1; 175/7234/ 4-8
Nailed sole unit. Midsole, waist and margins only; RB89 Phase 2:2; 349/8232/3;
Nailed sole unit. Midsole? Tread only; RB89 Phase 2:2; 349/8328/1
Nailed sole unit. Cut up heel stiffener or midsole packing from seat; RB89 Phase 2:2; 349/8328/26
Nailed sole unit. Small midsole fragment; RB89 Phase 4:2; 680/3423/1
Nailed sole unit. Midsole fragment; RB89 Phase 4:2; 680/3423/2
Nailed sole unit. Midsole fragment; RB89 Phase 4:2; 680/3423/3
Nailed sole unit. Midsole fragment; RB89 Phase 4:2; 680/3423/4

Straps

330. Strap? Short length parallel-sided strip with two lines of oblique slash stitches. Similar to strap 746/3427/1.
L: +55 mm; W: 11 mm; Th: 1 mm
RB89 Phase 2:2; 746/3426/2

331. (Fig 104) Strap? Narrow strip. One end cut, other torn. Double row of close-separation stitches along edges.
L: +88 mm; W: 12 mm; Th: 1 mm
RB89 Phase 3; 209/3417/15

332. (Fig 104) Strap? round ended. Round ended strap or appliqué. Sewn around edges. Possibly stitches in centre of torn end. No thread impressions. No strain. See also 334.
L: +153 mm; W: 44 mm; Th: 1 mm
RB89 Phase 3; 728/2813/12

333. (Fig 104) Strap, round ended. Rectangular, slightly tapering strip, one end rounded. Sewn around edge for about half its

length and around the rounded end. Stressed along length. Unsewn end has a stitched square. No thread impressions. Slight discoloration might suggest appliqué. Two lines of wear suggest folds and a depression suggests a covered nailed bar. Joins 334.
L: 251 mm; W: 55 mm; Th: 1.5 mm
RB89 Phase 3; 728/2813/13

334. Strap. Long narrow parallel-sided strip, tapered slightly at both ends where there are squares of stitching. Sewn to 333, probably associated with 332..
L: 337 mm; W: 44 mm; Th: 1.5 mm
RB89 Phase 3; 728/2814/31-32