

The textiles catalogue

H Bennett, the late N Q Bogdan and P Z Dransart

Notes on dyes, natural pigmentation of wools and wool types are based on comments by Professor M C Whiting (MW) and Dr Michael Ryder (MR).

Flavonols kaempferol, quercetin and rhamnetin are abbreviated as K, Q and R.

Wools are designated: H hairy, HM hairy medium, GM generalised medium, FGM fine, generalised medium, M true medium, and S short.

† indicates item is not listed in original site Finds Register, numbered 31a1 in RCAHMS archive.

1 2/2 Twill without nap ZS Wool

Nine fragments of dark brown, light weight, unfelted 2/2 twill, firm to the touch; the threads are unevenly packed. Dimensions: c250mm by 50mm in all. System 1: warp, smooth Z spun yarn, 10–12 threads per 10mm. System 2: weft, similar S spun yarn, 15 threads per 10mm.

A09–0003; C4797–4; MC004; Phase Ia; Rigs V and VI
Not illustrated

2 2/1 Twill without nap ZS Wool

Two small pieces (and a number of fragments), in poor condition, of mid-brown, light weight 2/1 twill, unfelted but slightly soft to the touch. Dimensions: a) 35mm by 75mm; b) 30mm by 30mm. System 1: warp, smooth Z spun yarn, 11 threads per 10mm. System 2: weft, similar S spun yarn, 9 threads per 10mm.

A9992; C3822–1; MC006, T3852; Phase Ib; Rig VI
Not illustrated

3 Yarn Wool

Coarse, mid-brown, 2S ply yarn, about 3mm in diameter. Length 230mm.

A9496; C3759–1/2; MC006; Phase Ib; Rig VI
Not illustrated

4 Tabby Silk

One larger and two small fragments of yellowish mid-brown tabby with a fine warp and very thick weft; detailed examination has suggested that glittering particles on the surface are mica or quartz and not a metallic substance as originally supposed. All three fragments are irregular in shape. Dimensions: a) 90mm by 84mm; b) 54mm by 35mm; c) 35mm by 34mm. System 1: warp, very fine, Z twisted yarn, 32 threads per 10mm. System 2: weft, thick (about 1mm) slightly Z twisted yarn, which is of a matte appearance, 16–17 threads per 10mm.

A9976; C3822–1; MC006, T3852; Phase Ib; Rig VI
Illus 26, 27

5 Tabby (2 ply yarn) Wool

Two unconserved, folded fragments of tabby. Tabby woven from 2 ply yarns, dark brown in colour and with relatively coarse fibres. Dimensions: a) 60mm by 50mm, b) 55mm by 50mm by 10mm. System 1: warp, Z spun and 2S plied, 3 threads per 10mm. System 2: weft, the same.

A10072; C3829–1; MC010a, SA3829; Phase Ib; Rig VI
Not illustrated

6 Twill Silk

Two fragments, very worn, each consisting of two strips of pale yellowish brown, 1/2 weft-faced compound twill. The ridges of the twill form an S-diagonal. Both pieces consist of two strips of fabric which are oversewn together along a long margin. The other long margin retains traces of over stitching, but it is worn and the details are unclear. In addition, there is over stitching down the middle of each piece. One of the strips has a third fragment of cloth of the same weave attached to only one side of the piece, where it is attached by over stitching. These two pieces are very similar to, and perhaps part of, the same fabric as 46/A7323 below. Main warp and binding warp: fine, slightly Z twisted yarn. There is a proportion of one main end to each binding end; there are 16 binding warp ends per 10mm, and about 16 main warp ends per 10mm. The main warp ends are largely obscured and difficult to count. There are two wefts, of untwisted yarn, which is coarser in diameter than the warp. The weft count is 24 threads per 10mm on each face of the fabric. The sewing thread is slightly S twisted silk yarn in a similar shade to the fabric. Dimensions: a) 13mm by 185mm, b) 18mm by 105mm.

A9500; C3792–1; B15 (West/East), PH3792; Phase Ic, lcc; Rigs V and VI
Not illustrated

7 Yarn Wool

Very dark brown, coarse, hairy 2S ply yarn, 4–5mm in diameter. Length 165mm.

A11202; C3737–1/2; M2.1b and B10, South Room–Floor/ Occupation (1); Phase Ic, lcc; Rigs V and VI
Not illustrated

8 2/1 Twill without nap ZZ Wool

Two fragments of dark brown, medium weight, closely woven 2/1 twill, unfelted and slightly harsh to the touch. Dimensions: a) 90mm by 20mm, b) 70mm by 15mm. System 1: warp, Z spun yarn, 8 threads per 10mm. System 2: weft, similar yarn, 10 threads per 10mm.

†A12612b; C3797–1/2; B10, South Room–Occupation (2b); Phase lcc; Rig V
Not illustrated

9 2/2 Twill without nap ZS Wool

Two pieces of very dark brown, medium weight 2/2 twill, unfelted and firm to the touch; the yarns are unevenly packed and slightly variable in thickness. Dimensions: a) 70mm by 65mm, b) 65mm by 50mm. System 1: warp, smooth Z spun yarn, about 9 threads per 10mm. System 2: weft, the same.

A8086; C3690–1/2; B10, South Room–Floor (3); Phase Icc; Rig V
Not illustrated

10 Yarn Wool

Very dark brown, coarse 2S ply yarn, about 4mm in diameter. Length 122mm.

A11085; C4533–4; MC017; Phase Ia–Icc>; Rigs V and VI
Not illustrated

11 Tabby (2 ply yarn) Hair–?goat

Unconserved fragment, folded and in a fragile condition.

The fabric is a very dark brown, coarse tabby. Dimensions: c140mm by 80mm by 40mm. System 1: warp, S spun and 2Z plied, 2 threads per 10mm. System 2: weft, S spun and 2Z plied with a loose ply angle, 2.5 threads per 10mm.

A11506; C4592–4; MC017; Phase Ia–Icc>; Rigs V and VI
Not illustrated

12 Tabby (2 ply yarn) Wool

One piece of dark brown, very heavy tabby, open-textured and harsh to the touch, with about 100mm of closed edge, of simple structure, remaining on one margin. Dimensions: 200mm by 120mm. System 1: warp, firm 2 ply yarn, Z spun and S plied, 3–3.5 threads per 10mm. System 2: weft, similar yarn, 2–3 threads per 10mm.

A11155; C5079–3; MC031, Pit 5096; Phase Ia–Id; Rig V
Not illustrated

13 2/1 Twill without nap ZS Wool

One piece of reddish dark brown, light weight, unfelted 2/1 twill. Dimensions: 40mm by 105mm. System 1: warp, smooth Z spun yarn, 16 threads per 10mm. System 2: weft, similar S spun yarn, 16 threads per 10mm.

A11080a; C5097–3; MC025, Pit 5337; Phase (Ia–)Id; Rig V
Not illustrated

14 2/1 Twill without nap ZS Wool

Two pieces of coarse, heavy weight 2/1 twill, the smaller with the remains of closed edge, of simple structure, on one long margin; the yarns appear to have been spun from unsorted wool, as they are mottled in various shades of brown, and are of variable thickness. Dimensions: a) 140mm by 245mm; b) 90mm by 15mm. System 1: warp, smooth Z spun yarn, 6 threads per 10mm. System 2: weft, thicker S spun yarn 5 threads per 10mm.

A11080b; C5097–3; MC025, Pit 5337; Phase (Ia–)Id; Rig V
Not illustrated

15 Cordage ?Horse hair

Coarse hairs in various shades of brown, Z spun into a very thick thread which has been twisted back onto itself to create a firm 2 ply yarn about 10mm in diameter; only one end is complete. Length 200mm.

A11080c; C5097–3; MC025, Pit 5337; Phase (Ia–)Id; Rig V
Not illustrated

16 Yarn Wool

Fragments of mottled mid-brown, 2S ply yarn, 3mm in diameter.

A11080d; C5097–3; MC025, Pit 5337; Phase (Ia–)Id; Rig V
Not illustrated

17 Yarn Silk

Sixteen (?) pieces of fine, golden brown, loosely twisted 2S ply silk yarn; the threads are matted together, apparently arranged in groups of four, and are kinked as if they were originally woven; probably the remains of a piece of tablet weaving, the weft of which has disintegrated. Length up to 295mm.

A11512; C5097–3; MC025, Pit 5337; Phase (Ia–)Id; Rig V
Not illustrated

18 2/2 Twill without nap ZS Wool

One piece of dark brown, medium weight, unfelted and slightly loose-woven 2/2 diamond twill with inaccurate meetings, the threads unevenly packed. As far as can be judged from the fragment remaining, the pattern was intended to be symmetrical in the Z spun System, with 12 threads in each half of the diamond, but is asymmetrical in the second. In one area the pattern breaks down. This, if the Z spun yarn is regarded as the warp, is attributable to irregularities in the lifting of the heddles. Dimensions: 270mm by 100mm. System 1: warp, smooth Z spun yarn, 6–7 threads per 10mm. System 2: weft, similar S spun yarn, 6–7 threads per 10mm.

A12340a; C5097–3; MC025, Pit 5337; Phase (Ia–)Id; Rig V
Illus 11

19 2/1 Twill with nap ZS Wool

One piece of bright bluish-red, light weight, felted 2/1 twill; there is a light nap on one surface; there are fragments of the same fabric matted to one long margin, probably the location of a seam, but no sewing thread is visible. Dimensions: 155mm by 54mm. System 1: warp, fine Z spun yarn, 13 threads per 10mm. System 2: weft, similar S spun yarn, 13 threads per 10mm. Dye: kermes (MW).

A12340b; C5097–3; MC025, Pit 5337; Phase (Ia–)Id; Rig V
Illus 43

20 Tabby Wool

One narrow strip of soft, light-medium weight striped tabby, the threads in System 1 closely spaced and entirely covering those in System 2. The piece may possibly be the remains of some narrow textile such as a garter, but as there are no closed edges surviving this is uncertain. Dimensions: 90mm by 17mm. System 1 (warp ?), smooth S spun threads, about 24 threads per 10mm; 32 threads remain, 24 of them bright yellowish brown, with 7 dark brown threads on one side and 1 on the other. System 2 (weft ?), fine, smooth Z spun threads, in poor condition, widely spaced, 6 threads per 10mm.

A12340c; C5097–3; MC025, Pit 5337; Phase (Ia–)Id; Rig V
Illus 22

21 Tabby (2 ply yarn) Wool

One piece of dark brown, very heavy weight tabby, comparatively close-woven. Dimensions: 110mm by 180mm. System 1: warp, firm 2 ply yarn, Z spun and S plied, 2.5–3 threads per 10mm. System 2: weft, the same.

A12340d; C5097–3; MC025, Pit 5337; Phase (la–)Id; Rig V
Not illustrated

22 2/1 Twill with nap ZS Wool

Two pieces of medium weight 2/1 twill, now worn, with the remains of a raised nap on one surface; the threads in System 2 are variable in thickness, and those in both systems are unevenly packed. Dimensions: a) 220mm by 58mm, b) 88mm by 15mm. System 1: warp, fine, mainly light yellow brown, Z spun yarn, about 11 threads per 10mm. System 2: weft, heavier S spun yarn, light yellow brown picks alternate with mid-brown or dark brown picks, about 12 threads per 10mm. The irregular striped effect created by the alternating colours is most visible on the face of the fabric in which the heavier S spun yarns predominate, but the effect is rendered less clear by the raising of the nap.

A12340e; C5097–3; MC025, Pit 5337; Phase (la–)Id; Rig V
Not illustrated

23 Tabby Wool

One piece of mid-brown, heavy medium weight unfelted tabby of uneven appearance; the yarn is variable in thickness and there are a number of shedding mistakes; there are traces of a possible seam line about 10mm from one long margin but there is no sewing thread. Dimensions: 135mm by 185mm. System 1: warp, smooth Z spun yarn, 8 per 10mm. System 2: weft, similar yarn, 8–9 per 10mm. No dye (MW).

A11551a; C5116–3; MC025, Pit 5337; Phase (la–)Id; Rig V
Not illustrated

24 2/2 Twill without nap ZS Wool

One piece, very worn, of even mid-brown, medium weight, unfelted 2/2 twill, slightly soft to the touch. Dimensions: 105mm by 150mm. System 1: warp, plump, glossy Z spun yarn, 6–7 threads per 10mm. System 2: weft, thicker and softer S spun yarn, 6 threads per 10mm. No dye: MW.

A11551b; C5116–3; MC025, Pit 5337; Phase (la–)Id; Rig V
Not illustrated

25 Tabby (2 ply yarn) Wool

Two pieces of worn, dark brown, heavy, open-textured tabby. Dimensions: a) 160mm by 80mm; b) 60mm by 50mm. System 1: warp, very firm 2 ply yarn, Z spun and S plied, about 3 threads per 10mm. System 2: weft, similar.

A09–0006; C5336–3; MC025, Pit 5337; Phase (la–)Id; Rig V
Not illustrated

26 Cordage Wool

Poor condition; 34 smooth, fine Z spun strands have been twisted together in S direction to create a soft cord about 6mm in diameter; two lengths of the cordage have been twisted with some unspun wool fibres. Length c90mm.

A09–0026a; C5336–3; MC025, Pit 5337; Phase (la–)Id; Rig V
Not illustrated

27 2/1 Twill without nap ZZ Wool

One fragment of dark brown, light weight, unfelted 2/1 twill, close-woven and firm to the touch. Dimensions: 53mm by 12mm. System 1: warp, fine hard Z spun yarn, 17 threads per 10mm. System 2: weft, similar yarn, 13–14 threads per 10mm.

A09–0026b; C5336–3; MC025, Pit 5337; Phase (la–)Id; Rig V
Not illustrated

28 Yarn Wool

Two pieces of very dark brown, coarse, hairy, firm 2S ply yarn, about 4mm in diameter. Length: a) 75mm, b) 165mm.

A8496; C3702–2; P5.1b; Phase lcc,Id; Rig VI
Not illustrated

29 Tabby (2 ply yarn) Wool

One piece (and two fragments) of mottled dark brown, very heavy tabby, coarse to the touch, but comparatively even and close-woven of its kind, with one long edge closed; the closed edge is of simple structure. Dimensions: 680mm by 210mm. System 1: warp, firm 2 ply yarn, Z spun and S plied, 3.5 threads per 10mm. System 2: weft, similar yarn, 2 threads per 10mm.

Wool type: warp H, pigment +++, no dye; weft HM, pigment +++ no dye (MR).

A7439; C3652–2; MC030b; Phase Id,Ie; Rig VI
Illus 17

30 Braid Wool

Three fragments of braid, one with a knot joining two parts, plaited from thirteen elements; each element is a length of firm 2S ply, mid-brown yarn, slightly variable in thickness and tension. Length c280mm in all; width c18mm.

A11567a; C5158–3; MC037a, Pit 5157; Phase la–Ie; Rig VI
Illus 67, 68

31 2/2 Twill without nap ZZ Wool

One piece of sandy brown, medium weight, unfelted 2/2 twill, harsh to the touch. Dimensions: 60mm x 45mm. System 1: warp, Z spun yarn, about 8 threads per 10mm. System 2: weft, the same. No dye (MW).

A11567b; C5158–3; MC037a, Pit 5157; Phase la–Ie; Rig VI
Not illustrated

32 2/1 Twill without nap ZZ Wool

Seven fragments of light brown, light weight, unfelted 2/1 twill, harsh to the touch; one piece has 30mm of closed edge – a tubular selvedge of five threads, woven in tabby on one margin. Dimensions: c85mm by 70mm in all. System 1: warp, fine hard Z spun yarn, 11–12 threads per 10mm. System 2: weft, similar yarn, about 10 threads per 10mm.

A11567c; C5158–3; MC037a, Pit 5157; Phase la–Ie; Rig VI
Not illustrated

33 2/2 Twill without nap ZZ Wool

Two pieces (and three fragments), very worn, of bright mid-brown, light weight, unfelted 2/2 twill. Dimensions: a) 160mm by 40mm; b) 115mm by 40mm. System 1: warp, smooth Z spun yarn, 12 threads per 10mm. System 2: weft, similar yarn, about 10 threads per 10mm.

A11567d; C5158–3; MC037a, Pit 5157; Phase la–Ie; Rig VI
Not illustrated

34 Tabby Wool

Eight fragments of mid-brown, very heavy tabby, now matted and in poor condition. Dimensions: c120mm by 120mm.

System 1: warp, Z spun yarn, about 9 threads per 10mm.

System 2: weft, thicker (?) Z spun yarn, about 3 threads per 10mm (largely obscured by System 1).

A11567e; C5158–3; MC037a, Pit 5157; Phase Ia–Ie; Rig VI
Not illustrated

35 Tabby Wool

Numerous fragments of mid-brown, very light weight, open-textured tabby, very firm to the touch, the threads in both systems widely spaced; both spinning and weaving are generally even. Dimensions: c180mm by 180mm. System 1: warp, very fine hard Z spun yarn, 15 threads per 10mm. System 2: weft, similar yarn, 14 threads per 10mm. No dye (MW). cf Crowfoot *et al* 1992, 43 Cat No 397 for worsted tabby, from Trig Lane, London, c1270.

A11567f; C5158–3; MC037a, Pit 5157; Phase Ia–Ie; Rig VI
Illus 20

36 Tabby (2 ply yarn) Wool

One piece of mottled mid-brown, very heavy tabby, slightly soft to the touch and constructed from yarn variable in thickness. Dimensions: 400mm by 230mm. System 1: warp, 2 ply yarn, Z spun and S plied, about 2.5 threads per 10mm. System 2: weft, similar yarn, about 2 threads per 10mm.

A11567g; C5158–3; MC037a, Pit 5157; Phase Ia–Ie; Rig VI
Not illustrated

37 2/1 Twill with nap ZZ Wool

One piece of golden mid-brown, medium weight 2/1 twill, compact, and with comparatively even texture. Dimensions: 145mm by 60mm. System 1: warp, smooth, firm Z spun yarn, 11 threads per 10mm. System 2: weft, similar yarn, 12 threads per 10mm.

A11567h; C5158–3; MC037a, Pit 5157; Phase Ia–Ie; Rig VI
Not illustrated

38 2/1 Twill without Nap ZZ Wool

One piece, worn, of pinkish mid-brown, light weight, unfelted 2/1 twill, slightly soft to the touch; the spinning is regular, but the cloth has an uneven appearance. Dimensions: 235mm by 150 mm. System 1: warp, fine Z spun yarn, 24 threads per 10mm. System 2: weft, similar yarn, 18–19 threads per 10 mm. Dye: madder (MW).

A11567i; C5158–3; MC037a, Pit 5157; Phase Ia–Ie; Rig VI
Not illustrated

39 2/1 Twill without nap ZZ Wool

Three pieces of mid brown, light weight unfelted 2/1 twill, firm to the touch. Dimensions: a) 135mm by 55mm; b) 115mm by 40mm; c) 55mm by 30mm. System 1: warp, smooth Z spun yarn, 12 threads per 10mm. System 2: weft, similar yarn, 14–15 threads per 10mm.

A11567j; C5158–3; MC037a, Pit 5157; Phase Ia–Ie; Rig VI
Not illustrated

40 2/2 Twill without nap ZZ Wool

Two pieces of medium weight, closely woven 2/2 twill; the general appearance of the fabric is bright mid-brown, although the yarn varies in shade; the pieces are slightly felted in parts but this appears to be the result of wear. Dimensions: a) 90mm by 95mm; b) 100mm by 22mm. System 1: warp, smooth Z spun yarn, 10 threads per 10mm. System 2: weft, less firm Z spun yarn, 10 threads per 10mm.

A12342; C5158–3; MC037a, Pit 5157; Phase Ia–Ie; Rig VI
Not illustrated

41 2/1 Twill without nap ZZ Wool

Three pieces of bright mid-brown, light weight, unfelted, 2/1 twill, evenly spun and woven; piece a) has traces of a seam line, but no thread survives; a similar fabric to Cat No 59/A11142. Dimensions: a) 105mm by 50mm; b) 95mm by 35mm; c) 85mm by 35mm. System 1: warp, fine Z spun yarn, 20 threads per 10mm. System 2: weft, the same.

A11524; C5121–3; MC037b, WW5121; Phase Ib–If; Rig VI
Not illustrated

42 Tabby (2 ply yarn) Wool

One piece of mottled mid/dark brown, very heavy tabby, comparatively even and close-woven of its type. Dimensions: 310mm by 165mm. System 1: warp, 2 ply yarn, S spun and Z plied, 2.5 threads per 10mm. System 2: weft, the same. cf Bennett 1982, 199 Cat No 157 for eight fragments of woollen tabby with 2 ply yarn which is S spun and Z plied from Broad Street, Aberdeen, probably dating from the 14th century.

A12614; C4743–4; B16 (Phase 1), Pit 4742; Phase (Id)Ie; Rig VI
Not illustrated

43 Yarn Wool

Coarse, hairy, 2S ply yarn, about 4mm in diameter. Length 50mm.

A10490; C4505–4; B16 (Phase 1), Occupation (1b); Phase (Id)Ie; Rig VI
Not illustrated

44 Yarn Wool

Very dark brown, coarse, firm 2 S ply yarn, 3mm in diameter. Length 150mm.

A7312a; C3622–2; M14b(b); Phase Ie; Rig VI
Not illustrated

45 Yarn Wool

Dark brown, coarse, firm 2Z ply yarn, 2–3mm in diameter. Length 140mm.

A7312b; C3622–2; M14b(b); Phase Ie; Rig VI
Not illustrated

46 Twill Silk

A long strip of pale yellowish brown 1/2 weft-faced compound twill, folded along the weft axis, with the edges oversewn together in the form of a tube. The ridges of the twill form an S diagonal. There are three rows of over stitching; the first joins the edges of the fabric together in a tubular shape, and two more rows are executed along the folds at each side, to make a flat strip. Main warp and binding warp: fine, slightly Z twisted yarn.

There is a proportion of one main end to each binding end. There are 14–15 binding warp ends per 10mm and 14–15 main warp ends per 10mm. The two wefts are of untwisted yarn, which is coarser in diameter than the warp. The weft count is 18 threads per 10mm on each face of the fabric. Some long exposed warp floats are visible on one face. The sewing thread is slightly S twisted silk yarn in a similar shade to the fabric. In addition, there is a short length of Z2S silk yarn, dyed pink, clinging to one of the stitched edges of the tube. This piece is very similar to

Cat No 6/A9500. Dimensions: 16mm by 440mm.

A7323; C3622–2; M14b(b); Phase Ie; Rig VI

Illus 44

47 Tabby (2 ply yarn) Wool

One piece of mottled mid-brown, very heavy tabby, open-textured and slightly soft to the touch. System 1: warp, 2 ply yarn, Z spun and S plyed, 2 threads per 10mm. System 2: weft, similar yarn, 2–3 threads per 10mm.

A7339; C3622–2; M14b(b); Phase Ie; Rig VI

Not illustrated

48 Tabby (2 ply Yarn) Wool

One piece of mottled mid/dark brown, very heavy tabby, coarse to the touch and comparatively close-woven, with the remains of a simple closed edge on one margin. Dimensions: 670mm by 220mm. System 1: warp, firm 2 ply yarn, Z spun and S plyed, 2.5–3 threads per 10mm. System 2: weft, the same.

A7568; C3622–2; M14b(b); Phase Ie; Rig VI

Not illustrated

49 Yarn Wool

Two pieces, knotted together, of coarse, firm 2S ply dark brown yarn, 2–4mm in diameter. Length 150mm.

A7353a; C3625–2; M14b(b), Pit 3625; Phase Ie; Rig VI

Not illustrated

50 Yarn Wool

Coarse, hairy, very dark brown, 2S ply yarn, about 5mm in diameter. Length 215mm.

A7353b; C3625–2; M14b(b), Pit 3625; Phase Ie; Rig VI

Not illustrated

51 Yarn Wool

Dark brown, coarse, hairy, firm 2Z ply yarn, about 3mm in diameter. Length 155mm.

A7416a; C3625–2; M14b(b), Pit 3625; Phase Ie; Rig VI

Not illustrated

52 Yarn Wool

Very dark brown, coarse, hairy, 2S ply yarn, 3–4mm in diameter. Length 530mm.

A7416b; C3625–2; M14b(b), Pit 3625; Phase Ie; Rig VI

Not illustrated

53 Yarn Wool

Four pieces of very dark brown, coarse, hairy 2S ply yarn, 4–5mm in diameter Length a) 120mm; b) 115mm; c) 80mm; d) 55mm.

A7429; C3625–2; M14b(b), Pit 3625 Phase Ie; Rig VI

Not illustrated

54 Yarn Wool

Two pieces of coarse, hairy, loosely 2S plyed, mid-brown yarn. Length a) 205mm; b) 165mm.

A7432; C3625–2; M14b(b), Pit 3625; Phase Ie; Rig VI

Not illustrated

55 Tabby (2 Ply yarn) Wool

One piece (and a number of fragments) of mottled mid-brown, very heavy tabby, of irregular appearance; the yarn is variable in thickness and tension and the threads are unevenly spaced; on one margin parts of a simple closed edge are intact.

Dimensions: 380mm by 295mm. System 1: warp, 2 ply yarn, Z spun and S plyed, about 3 threads per 10mm. System 2: weft, similar, 2–3 threads per 10mm.

A09–0035; C5319–3; P5.3a (T5329); Phase If; Rig VI

Not illustrated

56 Yarn Wool

Coarse, hairy 2S ply, dark brown yarn, about 3mm in diameter. Length 170mm.

A10770; C5067–3; MC034a; Phase Ie(If); Rig V

Not illustrated

57 Yarn Wool

Two pieces of mottled mid/dark brown, coarse, hairy, 2S ply yarn, 3–4mm in diameter. Length a) 360mm; b) 90mm.

A09–0002; C5314–3; MC034a; Phase Ie(If); Rig V

Not illustrated

58 2/1 Twill with nap ZS Wool

Three pieces of even mid-brown, medium weight, lightly felted 2/1 twill, with a slight nap, now worn, on both surfaces; piece a) has one long edge turned 5mm under with a double fragment of the same fabric attached presumably the remains of a seam; the sewing thread has not survived; a) 80mm by 60mm, b) 40mm by 50mm, c) 60mm by 70mm. System 1: warp, Z spun yarn, 12–14 threads per 10mm. System 2: weft, thicker S spun yarn, 8 threads per 10mm.

A09–0011; C5324–3; MC034a; Phase Ie(If); Rig V

Not illustrated

59 2/1 Twill without nap ZZ Wool

One piece of bright mid-brown, light weight 2/1 twill, unfelted, close-woven and firm to the touch; the spinning is fine and even and the threads are regularly packed. This fabric is similar to Cat No 41/A11524. Dimensions: 185mm by 35mm. System 1: warp, firm Z spun yarn, 23 threads per 10mm. System 2: weft, similar yarn, 18 threads per 10mm.

A11142; C5089–3; MC053c; Phase If; Rig VI

Not illustrated

60 2/1 Twill without nap ZS Wool

One piece of dark brown, medium weight, lightly felted, uneven 2/1 twill. Dimensions: 120mm by 70mm. System 1: warp, Z spun yarn, about 10 threads per 10mm. System 2: weft, softer S spun yarn, about 5 threads per 10mm.

A11143; C5089–3; MC053c; Phase If; Rig VI

Not illustrated

61 Tabby (2 ply yarn) Wool

One piece of very dark brown, heavy tabby, comparatively close-textured and even. Dimensions: 310 mm by 130mm. System 1: warp, firm 2 ply yarn, Z spun and S plied, about 3 threads per 10mm. System 2: firm 2 ply yarn, Z spun and S plied, about 3 threads per 10mm.

A12381; C5105–3; MC053c; Phase If; Rig VI

Not illustrated

62 Tabby (2 ply yarn) Wool

Seventeen fragments (about 7000 sq mm) of mottled mid/dark brown, very heavy tabby, open textured and comparatively soft to the touch, now very worn. System 1: warp, 2 ply yarn, S spun and Z plied, 2–3 per mm. System 2: weft, similar.

A2828; C3604–2; MC044b; Phase If; Rig VI

Not illustrated

63 Tabby (2 ply yarn) Goathair

One piece of mottled light/dark brown, exceptionally heavy, coarse, uneven tabby, with 130mm of simple closed edge remaining on one margin; the spinning of the yarn varies from moderately firm to very weak. Dimensions: 250mm by 190mm. System 1: warp, 2 ply yarn, Z spun and S plied, 1.5 threads per 10mm (but more closely packed towards the selvedge) System 2: weft, similar yarn, about 1.5 threads per 10mm. Goat +++ in both systems (MR). cf a goat hair tabby woven from 2 ply yarns, which are Z spun and S plied, dating from 1380–1400 from site Baynard's Castle, London (Crowfoot et al 1992, Cat No 319). Other goat hair tabbies from medieval sites in London were spun and plied in the opposite directions (ibid, Table 8).

A9993a; C2386–4; B16 (Phase 2), Destruction; Phase If,IIa; Rig VI

Illus 18

64 Tabby (2 ply yarn) Goathair

One piece (and a number of fragments) of mottled mid/dark brown, very heavy tabby, slightly open-textured and coarse to the touch. On one edge there are the remains of a selvedge composed of five warp threads, the outermost two threads being treated as one element, and the remaining three as another element; it is not known whether this structure is the remains of a starting edge, or simply a strengthened side selvedge. Dimensions: 110mm by 210mm. System 1: warp, warp (? runs parallel to closed edge), 2 ply yarn, Z spun and S plied, 2 threads per 10mm. System 2: weft, the same. Goathair, pigment +++ in warp and + in weft (MR).

A9993b; C2386–4; B16 (Phase 2), Destruction; Phase If,IIa; Rig VI

Illus 14

65 Yarn Wool

Unconserved very dark brown yarn with coarse fibres; Z spun and 2S plied, with a loose ply angle. Length 122mm.

A10414; C2386–4; B16 (Phase 2), Destruction; Phase If,IIa; Rig VI

Not illustrated

66 Tabby (2 ply yarn) Wool

Four fragments of mottled mid/dark brown, heavy tabby, of slightly open texture; the tension of the yarn and the spacing of the threads are uneven. Dimensions: a) 110mm by 75mm; b) 50mm by 70mm; c) 110mm by 40mm; d) 70mm by 100mm. System 1: warp, 2 ply yarn, Z spun and S plied, about 2 threads per 10mm. System 2: weft, similar yarn, 2–2.5 threads per 10mm.

A12534; C2386–4; B16 (Phase 2), Destruction; Phase If,IIa; Rig VI

Not illustrated

67 Yarn Wool

Three pieces of mottled mid/dark brown, coarse 2S ply yarn, about 4mm in diameter. Length a) 170mm; b) 55mm; c) 60mm. A11086; C5052–3; P5.3b; Phase If,IIa; Rig VI

Not illustrated

68 Tabby (2 ply yarn) Wool

Two pieces (and a number of fragments) of mottled mid/dark brown, very heavy tabby, coarse to the touch, but evenly spun and woven; there is 30mm of closed edge, of simple structure, on one margin of one piece. Dimensions: a) 150mm by 180mm; b) 240mm by 150mm. System 1: warp, firm 2 ply yarn, Z spun and S plied, 3 threads per 10mm. System 2: weft, similar yarn, 2 threads per 10mm.

A11510a; C5137–3; P5.3b; Phase If,IIa; Rig VI

Not illustrated

69 2/1 Twill without nap ZZ Wool

One small piece (and four smaller fragments) of bright mid-brown, light weight 2/1 twill of uneven appearance, unfelted and firm to the touch. Dimensions: 65mm by 42mm. System 1: warp, firm Z spun yarn, 14 threads per 10mm. System 2: weft, similar yarn, 12 threads per 10mm. Dye: Q, R, unknown? (MW).

A11510b; C5137–3; P5.3b; Phase If,IIa; Rig VI

Not illustrated

70 2/1 Twill with nap ZS Wool

One fragment of reddish mid-brown, light weight, slightly felted 2/1 twill with a light nap on both surfaces. System 1: warp, Z spun yarn, 13–14 threads per 10mm. System 2: weft, similar S spun yarn, 10–11 threads per 10mm.

A11510c; C5137–3; P5.3b; Phase If,IIa; Rig VI

Not illustrated

71 Yarn Wool

Two fragments of very dark brown, even 2S ply coarse yarn, about 3mm in diameter. Length a) 50mm; b) 160mm.

A10681; L3741; C5034–3; MC049; Phase IIa; Rig V

Not illustrated

72 Yarn Wool

Coarse, dark brown, 2S ply yarn. Length 92mm.

†A09–0020; C5266–3; MC054a, Pit 5267; Phase (IIa)IIb; Rig VI

Not illustrated

73 Tabby (2 ply yarn) Wool

One piece of very dark brown, heavy tabby, comparatively close-textured. Dimensions: 100mm by 65mm. System 1: warp, 2 ply yarn, Z spun and S plyed, 3.5 threads per 10mm. System 2: weft, similar yarn, 2 threads per 10mm.

A6625; C3589–2; MC061; Phase IIb; Rig VI

Not illustrated

74 2/1 Twill with nap ZS Wool

One piece of bright mid-brown, light-medium weight, closely woven 2/1 twill, with a slight nap, now worn, on both surfaces; there is 50mm of closed edge - probably a side selvage - on one margin; the warp threads are paired for 7mm to strengthen the edge. Dimensions: 130mm by 105mm. System 1: warp, fine Z spun yarn, 14 threads per 10mm. System 2: weft, similar S spun yarn, 12–13 threads per 10mm.

A11154; C5023–3; MC048; Phase (Ia–)IIa–IIc; Rig VI

Not illustrated

75 Tabby (2 ply yarn) Wool

Two pieces of very dark brown, heavy tabby, comparatively even and close-woven. Dimensions: a) 310mm by 280mm; b) 105mm by 200mm. System 1: warp, firm 2 ply yarn, Z spun and S plyed, 2–2.5 threads per 10mm. System 2: weft, similar yarn, 3 threads per 10mm.

A11673a; C5156–3; MC056, Pit 5155; Phase Ia–IIc; Rig VI

Not illustrated

76 Tabby (2 ply yarn) Wool

One piece of very dark brown, very heavy tabby, comparatively close-textured, with about 550mm of closed edge, of simple structure, on one margin. Dimensions: 620mm by 210mm.

System 1: warp, 2 ply yarn, Z spun and S plyed, 2–2.5 threads per 10mm. System 2: weft, similar, 2 threads per 10mm.

A11673b; C5156–3; MC056, Pit 5155; Phase Ia–IIc; Rig VI

Not illustrated

77 2/2 Twill without nap ZS Wool

Unconserved, crumpled fragment of very dark brown, light weight, unfelted 2/2 twill. Dimensions: c85mm by 63mm by 8mm. System 1: warp, Z spun, 8 threads per 10mm. System 2: weft, S spun, 8 threads per 10mm.

A10417; C4489–3; B4, Floor; Phase IIc Rig VI

Not illustrated

78 Tabby (2 ply yarn) Wool

One piece (and four fragments) of mottled mid/dark brown, very heavy tabby, coarse to the touch, with 290mm of closed edge, of simple structure, on one long margin; the yarn is variable in both tension and thickness resulting in an uneven fabric; a length of thick, coarse 2 ply yarn, similar to that used in the weaving has been sewn (?) through the fabric at the closed edge for 60mm. Dimensions: 355mm by 270mm. System 1: warp, 2 ply yarn, Z spun and S plyed, about 2 threads per 10mm. System 2: weft, 2 ply yarn, Z spun and S plyed, about 2 threads per 10mm.

A10724; C5028–3; B4, 'Courtyard' Occupation; Phase IIc; Rig VI

Not illustrated

79 Yarn Wool

Two pieces of very dark brown, coarse, hairy 2S ply yarn, probably from Cat No 78/A10724. Length a) 215mm; b) 305mm.

A11162a; C5028–3; B4, 'Courtyard' Occupation; Phase IIc; Rig VI

Not illustrated

80 Tablet weaving Silk

Three fragments of cord, now bright mid-brown, originally about 2mm or 3mm in diameter. The cord has been woven with eight (?) four-hole tablets, from soft silk yarn, with a spiral weft which has all but disintegrated (there are possible traces of a frayed weft at one end). The warp has a slight Z twist, and it was used in pairs. Two fragments are knotted together, and measure 320mm overall. The third fragment is 185mm long; it has an overhand knot approximately at mid point.

A11162b; C5028–3; B4, 'Courtyard' Occupation; Phase IIc; Rig VI

Not illustrated

81 2/1 Twill without nap ZS Wool

One piece of dark brown, light-medium weight, lightly felted 2/1 twill; the yarn in both systems is very variable in thickness and tension, and there are a number of shedding mistakes.

Dimensions: 190mm by 490mm. System 1: warp, Z spun yarn, 10–13 threads per 10mm. System 2: weft, heavier less firmly spun, S spun yarn, about 9 threads per 10mm.

A12553a; C5028–3; B4, 'Courtyard' Occupation; Phase IIc; Rig VI

Not illustrated

82 2/2 Twill without nap ZS Wool

Wadmal. One piece of medium weight, unfelted, slightly loose-woven 2/2 twill, in two shades of brown. Dimensions: 270mm by 280mm. System 1: warp, smooth Z spun, dark brown yarn, 11–12 threads per 10mm. System 2: weft, softer S spun, mid-brown yarn, 8 threads per 10mm.

A12553b; C5028–3; B4, 'Courtyard' Occupation; Phase IIc; Rig VI

Illus 31

83 2/1 Twill (?) with nap ZS Wool

Two strips of reddish mid-brown, heavily felted fabric; the structure is obscured by the dense nap on both surfaces, but is probably 2/1 twill. Dimensions: a) 125mm by 20mm; b) 120mm by 10mm. System 1: warp, Z spun, no count possible. System 2: weft, S spun, no count possible.

A12553c; C5028–3; B4, 'Courtyard' Occupation; Phase IIc; Rig VI

Not illustrated

84 2/2 Twill with nap ZZ Wool

One piece of dark brown, light weight 2/2 twill, loosely woven. The fabric shows no sign of milling and the weave is clearly visible, but there is a light, shaggy 'nap', which has not been sheared, on both surfaces; this results, perhaps, from the use of yarn spun from fleece prepared by combing but without the short staple removed. There is a closed edge on one long

margin with the transverse threads looped and twisted before being returned to the fabric. This is almost certainly a starting edge. There is a knot in the warp, and at one point there is a gap in the fabric where the threads have been pushed apart, perhaps by a pin. Dimensions: 50mm by 245mm. System 1: warp, firm Z spun yarn, 10 threads per 10mm. System 2: weft, (parallel to closed edge), similar yarn, 15 threads per 10mm. A12553d; C5028–3; B4, 'Courtyard' Occupation; Phase IIc; Rig VI
Illus 15, 32

85 Yarn Wool

Two fragments of mottled dark brown, coarse hairy 2S ply yarn, about 4mm in diameter. Length a) 90mm; b) 125mm. A11090; C5055–3; MC066; Phase IIc; Rig VI
Not illustrated

86 Yarn Wool

Two unconserved fragments of dark brown yarn, with coarse fibres; Z spun and 2S plied with a maximum width of 5mm. Length a) 55mm; b) 30mm. A10347; C2382–4; M1.1f; Phase IIb–IId; Rig VI
Not illustrated

87 Tabby (2 ply yarn) Wool

One fragment of dark brown, very heavy tabby, close textured and soft to the touch; the yarn is irregular in tension and thickness. Dimensions: 130mm by 100mm. System 1: warp, 2 ply yarn, Z spun and S plied, 2 threads per 10mm. System 2: weft, 2 ply yarn, Z spun and S plied, 2 threads per 10mm. A8857; C3584–2; MC069, Pit 3584; Phase (IIc)IId; Rig VI
Not illustrated

88 Yarn Wool

Unconserved very dark brown yarn, with coarse fibres; Z spun and 2S plied, 3mm diameter. Length at least 200mm. A10036; C2365–4; M1.1c; Phase IId; Rig VI
Not illustrated

89 2/2 Twill without nap ZZ Wool

One piece of mottled brown, coarse, heavy, unfelted 2/2 twill; the yarn varies in thickness and also in colour - the result of spinning from unsorted wool. Dimensions: 290mm by 240mm. System 1: warp, smooth Z spun yarn, 4–5 threads per 10mm. System 2: weft, smooth Z spun yarn, 4–5 threads per 10mm. A10075; C2365–4; M1.1c; Phase IId; Rig VI
Not illustrated

90/ 2/1 Twill without nap ZS Wool

One fragment of mid-brown, light weight, unfelted 2/1 twill. Dimensions: 55mm by 15mm. System 1: warp, smooth Z spun yarn, 13 threads per 10mm. System 2: weft, thicker S spun yarn, 11 threads per 10mm. A10076; C2365–4; M1.1c; Phase IId; Rig VI
Not illustrated

91 2/1 Twill without nap ZZ Wool

One piece, worn, of mid-brown, light weight, unfelted 2/1 twill; 70mm by 60mm. System 1: warp, fine Z spun yarn, 15 threads per 10mm. System 2: weft, the same. A10193a; C2365–4; M1.1c; Phase IId; Rig VI
Not illustrated

92 2/2 Twill without nap ZZ Wool

One piece of reddish dark brown light medium weight, closely woven 2/2 twill, with a closed edge on one long margin; the edge has been strengthened by the outmost three warp threads being treated as one; both surfaces are slightly matted but this appears to be the result of wear. Dimensions: 155mm by 10mm. System 1: warp, fine hard Z spun yarn, 15 threads per 10mm (estimate). System 2: weft, softer Z spun yarn, 11 threads per 10mm. Wool type: warp M, no pigment, green-brown dye; weft FGM, no pigment, trace of blue dye (MR). A10193b; C2365–4; M1.1c; Phase IId; Rig VI
Not illustrated

93 2/1 Twill without nap, Others Wool

One fragment, worn, of coarse, heavy 2/1 twill. The fabric appears to have had a coloured pattern. Dimensions: 50mm by 70mm. System 1: warp, fine, dark, S spun threads and lighter Z spun threads, softer and more variable in thickness; about 4 threads per 10mm. System 2: weft, two pairs of fine, light brown, S spun threads (each pair acting as one element), alternate with two thicker, S spun dark brown threads; one dark thread is approximately as wide as each pair of light threads; 3 threads per 10mm. Wool type: warp HM, pigment ++, no dye; weft M, pigment +, no dye (MR). A10193c; C2365–4; M1.1c; Phase IId; Rig VI
Illus 6

94 2/1 Twill (?) without nap ZZ Wool

One fragment, in poor condition, of coarse, heavy, slightly open fabric, probably 2/1 twill. Dimensions: 80mm by 60mm. System 1: warp, Z spun yarn, variable in thickness and tension, about 4 threads per 10mm. System 2: weft, heavier Z spun yarn, about 4 threads per 10mm. A10193d; C2365–4; M1.1c; Phase IId; Rig VI
Not illustrated

95 2/2 Twill without nap ZS Wool

Two pieces (and two fragments) of mid-brown, medium weight 2/2 twill, closely woven and slightly felted; on both pieces one margin has been turned under to a depth of about 15mm and caught down with a firm 2S ply sewing thread of similar colour. Dimensions: a) 115mm by 130mm; b) 130mm by 105mm. System 1: warp, smooth, firm Z spun yarn, 8 threads per 10mm. System 2: weft, similar S spun yarn 8 threads per 10mm. Dye: Q, K, R, unknown (MW). A10624a; C2365–4; M1.1c; Phase IId; Rig VI
Not illustrated

96 2/2 Twill without nap ZZ Wool

Three pieces of coarse, heavy medium weight, mid-brown, slightly felted 2/2 twill, the threads variable in thickness and unevenly packed. Dimensions: a) 100mm by 55mm; b) 160mm by 85mm; c) 175mm by 100mm. System 1: warp, smooth but uneven Z spun yarn, about 10 threads per 10mm. System 2: weft, similar yarn, 6–7 threads per 10mm.

A10624b; C2365–4; M1.1c; Phase IId; Rig VI

Not illustrated

97 2/1 Twill without nap ZS Wool

Two pieces of dark brown/faded grey-brown, closely woven 2/1 twill. The warp is smooth and even; it is closely spaced and on one face it entirely covers the weft. Both fragments have one closed edge of simple structure, with the warp running parallel to the selvedge. In both pieces there are frequent weaving errors probably caused by shedding problems. Dimensions: a) 347mm by 67mm; b) 316mm by 45mm. Warp: Z spun, in a) 20 threads per 10mm and in b) 24–26 threads per 10mm. Weft: S spun, in a) 14 threads per 10mm and in b) 12 threads per 10mm.

A09–0001; C4706–4; M1.1c; Phase IId; Rig VI

Not illustrated

98 2/1 Twill without nap ZZ Wool

One piece, in a poor state of preservation, of heavy weight, black 2/1 twill, unfelted, soft and open-textured, uneven in both spinning and weaving; there is a tear, about 120mm long, at one end, which has been mended by oversewing with fine, very firmly Z spun yarn used double; 430mm by 280mm. System 1: warp, smooth but irregular Z spun yarn, 4–7 threads per 10 mm. System 2: weft, similar yarn, 5–6 threads per 10mm. Wool type: warp H, pigment +++; weft HM, pigment +++ (MR). No dye (MW).

A10332; C4470–3; M1.1c, Pit 5005; Phase IId; Rig VI

Not illustrated

99 2/1 Twill with nap ZS Wool

Two strips of dark brown, medium weight, compact and felted 2/1 twill; the nap is pronounced on one side but less so on the other; the long edges of piece a) are curled in, as if they had been seamed. Dimensions: a) 220mm by 35mm; b) 205mm by 35mm. System 1: warp, Z spun yarn, about 16 threads per 10mm. System 2: weft, thicker S spun yarn, about 11 threads per 10mm. Wool type: HM, pigment ++, no dye in both systems (MR).

A10787; C4470–3; M1.1c, Pit 5005; Phase IId; Rig VI

Not illustrated

100 2/1 Twill without nap ZS Wool

Three pieces of sandy brown, light medium weight 2/1 twill, unfelted but comparatively close-woven and soft to the touch. Dimensions: a) 345mm by 365mm; b) 90mm by 155mm; c) 195mm by 180mm. System 1: warp, Z spun yarn, 13 threads per 10mm. System 2: weft, similar S spun yarn, 12 threads per 10mm.

A11550; C4470–3; M1.1c, Pit 5005; Phase IId; Rig VI

Illus 36

101 Tabby (2 ply yarn) Wool

Two pieces of mottled mid/dark brown, very heavy tabby, comparatively close-textured. Dimensions: a) 205mm by 170mm; b) 130mm by 100mm. System 1: warp, 2 ply yarn, Z spun and S plied, 2 threads per 10mm. System 2: weft, the same.

A12343; C4470–3; M1.1c, Pit 5005; Phase IId; Rig VI

Not illustrated

102 Tablet weaving Silk

Three fragments of a length of cord, about 2mm in diameter, now mid-brown, constructed from 16 strands of 2S ply silk yarn; the cord appears to have been tablet-woven with a spiral weft, but the weft has disintegrated and the cord become partially unravelling. Two pieces of the cord have been knotted together and 20mm below the knot the ends are bound for 18mm with single ply silk yarn of a similar colour and an upper layer of a darker 2 ply yarn; below the binding the component threads of the cord fall loose but may originally have been woven. Length two pieces together 340mm; remaining fragment 410mm.

A12651; C4687–4; MC081a; Phase IId; Rig V

Illus 55

103 Tabby (2 ply yarn) Wool

One piece of mottled mid/dark brown very heavy tabby, slightly open-textured. Dimensions: 370mm by 210mm. System 1: warp, hairy 2 ply yarn, Z spun and S plied, 1.5–2 threads per 10mm. System 2: weft, similar yarn, about 2 threads per 10mm. No dye (MW).

A12650; C4705–4; MC084; Phase IId,Ile; Rig VI

Not illustrated

104 2/2 Twill without nap ZZ Wool

Two pieces (and one fragment) of dark brown, light weight, unfelted 2/2 twill, with the weave changing direction part way across the larger piece; probably the same fabric as Cat No 105/A10057. Dimensions: a) 60mm by 70mm; b) 55mm by 65mm. System 1: warp, smooth Z spun, 13 threads per 10mm. System 2: weft, the same.

A9975; C4459–3; M1.1d; Phase IId,Ile; Rig VI

Illus 10, 29

105 2/2 Twill without nap ZZ Wool

One piece (and one fragment) of even dark brown, light weight, unfelted 2/2 twill; part way across the piece the twill reverses (see Illus 18, 19 and textile Cat No 104/A9975). Dimensions: 115mm by 100mm. System 1: warp, smooth Z spun yarn, 13 threads per 10mm. System 2: weft, the same. No dye (MW).

A10057; C4468–3; M1.1d; Phase IId,Ile; Rig VI

Not illustrated

106/Tabby (2 ply yarn) Wool?

One piece of mottled mid/dark brown, exceptionally heavy, coarse and uneven tabby, with 315mm of simple closed edge on one margin; the yarn, which is spun from coarse, springy fibres, is irregular in thickness and tension. Dimensions: 420mm by 430mm. System 1: warp, slack 2 ply yarn, Z spun and S plied, about 1.5 threads per 10mm. System 2: weft, similar yarn, 1–2 threads per 10mm.

A10668; C4492–3; M1.1a; Phase IId,Ile; Rig VI

Not illustrated

107 Tabby (2 ply yarn) Wool

One piece of dark brown, very heavy tabby, coarse and open-textured. Dimensions: 150mm by 200mm. System 1: warp, 2 ply yarn, S spun and Z plyed, about 2.5 threads per 10mm. System 2: weft, similar yarn, about 2 threads per 10mm. Wool type: H, pigment ++, no dye in both systems (MR).

A10784; C4492–3; M1.1a; Phase II d, II e; Rig VI

Not illustrated

108 2/1 Twill without nap ZZ Wool

One piece of even mid brown, medium weight, unfelted 2/1 twill, closely woven and firm to the touch, with 50mm of closed edge of simple structure remaining on one margin; the warp threads are closely packed, and on one surface the fabric is strongly warp-faced. Dimensions: 180mm by 140mm. System 1: warp, fine smooth Z spun yarn, 18 threads per 10mm. System 2: weft, thicker Z spun yarn, 9 threads per 10mm. Wool type: HM, pigment +, no dye in both warp and weft (MR).

A6125; C3582–2; M1.1d and M1.1e; Phase II d–II f; Rig VI
Illus 33

109 Tabby (2 ply yarn) Wool

One piece of very dark brown, heavy tabby, harsh to the touch and comparatively close-woven. Dimensions: 90mm by 130mm. System 1: warp, very firm 2 ply yarn, S spun and Z plyed, about 3 threads per 10mm. System 2: weft, the same. No dye (MW).

A9907; C3582–2; M1.1d and M1.1e; Phase II d–II f; Rig VI

Not illustrated

110 2/1 Twill with nap ZS Wool

One strip of even mid-brown, medium weight 2/1 twill, felted and with the nap raised on both surfaces. Dimensions: 35mm by 160mm. System 1: warp, soft Z spun yarn, 10 threads per 10mm. System 2: weft, similar S spun yarn, 10 threads per 10mm.

A9901; C4451–3; M1.1e; Phase II f; Rig VI

Not illustrated

111 2/1 Twill without nap ZZ Wool

One piece of bright mid-brown, light-medium weight 2/1 twill, unfelted but closely woven, even in spinning and weaving. Dimensions: 115mm by 95mm. System 1: warp, firm Z spun yarn, 12 threads per 10mm. System 2: weft, similar yarn, 11 threads per 10mm.

A6649; C3590–2; B5, North Room–Floor/Occupation (1);

Phase II a–II f; Rig V

Not illustrated

112 Felt Wool

Fragments of mid-brown, heavy weight felt, in poor condition. Dimensions: c200mm by 60mm in all.

A6775; C3590–2; B5, North Room–Floor/Occupation (1);

Phase II a–II f; Rig V

Not illustrated

113 2/1 Twill without nap ZZ Wool

Four pieces of mid-brown, light medium weight unfelted 2/1 twill. Dimensions: a) 80mm by 65mm; b) 70mm by 50mm; c) 45mm by 35mm; d) 40mm by 35mm. System 1: warp, smooth Z spun yarn, 11 threads per 10mm. System 2: weft, heavier (?) Z spun, 10–11 threads per 10mm. Wool type: warp HM, pigment + (little and few), no dye; weft GM, pigment + (few), no dye (MR).

A8863a; C3577–2; B5, North Room–Floor/Occupation (2);

Phase II a–II f; Rig V

Not illustrated

114 2/1 Twill (?) with nap ZS Wool

One long strip of heavy, mid-brown cloth with a nap on both surfaces; the weave appears to be 2/1 twill but is largely obscured by heavy dressing; both colour and texture are uneven. Dimensions: 400mm by 10–20mm. System 1: warp, Z spun, no count possible. System 2: weft, thicker, S spun, no count possible. No dye (MW).

A8863b; C3577–2; B5, North Room–Floor/Occupation (2);

Phase II a–II f; Rig V

Not illustrated

115 2/1 Twill (?) with nap ZS Wool

One strip of heavy, very felted, mid-brown cloth with nap on both surfaces, similar to Cat No 114/A8863b. Dimensions: 270mm by 30mm. System 1: warp, Z spun, no count possible. System 2: weft, S spun, no count possible. Wool type: warp HM, pigment +, no dye; weft H, pigment ++, no dye (MR).

A8871; C3577–2; B5, North Room–Floor/Occupation (2); Phase

II a–II f; Rig V

Not illustrated

116 2/1 Twill with nap ZS Wool

One piece of very heavily felted, mid-brown, medium weight 2/1 twill with the nap raised on both surfaces. Dimensions: 110mm by 40mm. System 1: warp, fine Z spun yarn, about 10 threads per 10mm. System 2: weft, S spun yarn, about 12 threads per 10mm (estimated). Wool type: HM, pigment +, no dye in both systems (MR).

A6716; C3587–2; B5, North Room–MW3587; Phase II a–II f;

Rig V

Not illustrated

117 Tablet weaving(?) Silk

Fragment of cord in poor condition, about 3mm in diameter, composed of light brown, fine 2S ply silk yarn; probably originally tablet-woven with a spiral weft. Length 115mm.

A9899; C2607–3; B23, North Room–Occupation (1a); Phase

II b–II f; Rig V

Not illustrated

118 Tabby (2 ply yarn) Wool

Two pieces of very dark brown, heavy tabby, coarse to the touch. Dimensions: a) 80mm by 40mm; b) 40mm by 60mm. System 1: warp, very firm 2 ply yarn, S spun and Z plyed, about 3 threads per 10mm. System 2: weft, similar.

A09–0007; C2607–3; B23, North Room–Occupation (1a);

Phase II b–II f; Rig V

Not illustrated

119 Tabby (2 ply yarn) Wool

Three pieces of very dark brown, heavy tabby, coarse to the touch and comparatively close-textured. Dimensions: a) 102mm by 68mm; b) 130mm by 140mm; c) 55mm by 47mm. System 1: warp, very firm 2 ply yarn, Z spun and S plied, 3.5–4 threads per 10mm. System 2: weft, the same. Dye: minute trace of unknown blue dye? (MW).

A09–0136; C9556–9; B27, North Room and South Room–Occupation (1a); Phase <IIc–IIff; Rig VII

Not illustrated

120 Tabby (2 ply yarn) Wool

One piece of very dark brown, heavy tabby, like Cat No 119/ A09–0136 and probably part of the same fabric. Dimensions: 290mm by 260mm. System 1: warp, very firm 2 ply yarn, Z spun and S plied, 3.5–4 threads per 10mm. System 2: weft, the same.

A09–0137; C9556–9; B27, North Room and South Room–Occupation (1a); Phase <IIc–IIff; Rig VII

Not illustrated

121 2/2 Twill without nap ZS Wool

One piece, very worn, of mid-brown, light medium weight, unfelted 2/2 twill. Dimensions: 115mm by 70mm. System 1: warp, fine smooth Z spun yarn, 11–13 threads per 10mm. System 2: weft, heavier S spun yarn, 8 threads per 10mm.

A10496; C2385–4; M10; Phase IIId–IIg; Rig V

Not illustrated

122 Yarn Wool

Unconserved bundle of yarn, very fragile and in a brittle condition. Dark brown, with coarse fibres; Z spun and 2S plied, 5–7mm wide.

A9520; C2342–4; B12, Occupation (1b); Phase IIe–IIg; Rig VI

Not illustrated

123 Tabby (?) (2 ply yarn) Wool?

Unconserved, matted fragment in a fragile condition. The weave is probably tabby, and the yarns are coarse, some 5–6mm in diameter, very dark brown in colour. Dimensions: c60mm by 55mm by 15mm. System 1: warp, Z spun and 2S plied, 1.5 threads per 10mm. The yarns in System 2 are of a similar colour, but the details are unclear.

A9891; C2342–4; B12, Occupation (1b); Phase IIe–IIg; Rig VI

Not illustrated

124 Yarn Wool

One fragment, in poor condition, of coarse 2S ply yarn. Length 150mm.

A9842; C2346–4; B12, Pit 2345; Phase IIe–IIg; Rig VI

Not illustrated

125 2/1 Twill with nap ZS Wool

One piece of mid-brown, medium weight, felted 2/1 twill, with the nap, now worn, raised on both surfaces. Dimensions: 120mm by 50mm. System 1: warp, Z spun yarn, 14 threads per 10mm. System 2: weft, slightly heavier S spun yarn, 12 threads per 10mm. Wool type: warp M, no pigment, no dye; weft GM, no pigment, no dye (MR).

A9478a; C2346–4; B12, Pit 2345; Phase IIe–IIg; Rig VI

Not illustrated

126 2/1 Twill with nap ZZ Wool

Two pieces, very worn, of rich mid-brown, light weight 2/1 twill with a slight nap on one surface. Dimensions: a) 110mm by 30mm; b) 120mm by 30mm. System 1: warp, fine Z spun yarn, 13–14 threads per 10mm. System 2: weft, similar yarn, about 11 threads per 10mm.

A9478b; C2346–4; B12, Pit 2345; Phase IIe–IIg; Rig VI

Not illustrated

127 2/1 Twill without nap ZS Wool

One piece of dark brown, light weight, close-woven, unfelted 2/1 twill. Dimensions: 70mm by 45mm. System 1: warp, Z spun yarn, 18 threads per 10mm. System 2: weft, similar S spun yarn, 12 threads per 10mm. No dye (MW).

A9478c; C2346–4; B12, Pit 2345; Phase IIe–IIg; Rig VI

Not illustrated

128 2/1 Twill with nap ZS Wool

Three pieces of moderately heavy 2/1 twill with slight nap on both surfaces, of very irregular appearance; the yarns are mottled, in shades from light to dark brown, suggesting the use of unsorted wool; the threads in both warp and weft are irregularly spaced. Dimensions: a) 180mm by 80mm; b) 120 by 75mm; c) 80 by 40mm.

System 1: warp, Z spun yarn, comparatively firm but variable in tension, 7–8 threads per 10mm. System 2: weft, thicker and less firm S spun yarn, about 4 threads per 10mm. Wool type: warp H, no pigment, no dye (MR).

A9481; C2346–4; B12, Pit 2345; Phase IIe–IIg; Rig VI

Not illustrated

129 Yarn Wool

Two fragments of coarse, dark brown, 2S ply yarn, 2mm in diameter. Dimensions: a) 80mm; b) 105mm.

A10071; C2346–4; B12, Pit 2345; Phase IIe–IIg; Rig VI

Not illustrated

130 2/1 Twill without nap ZS Wool

One piece of dark reddish brown, light medium weight 2/1 twill, lightly felted and soft to the touch; the threads are irregularly packed and the fabric has an uneven appearance. Dimensions: 160mm by 80mm. System 1: warp, Z spun yarn, 12 threads per 10mm. System 2: weft, S spun yarn, variable in thickness, about 12 threads per 10mm.

A8833; C2285–4; B12, Occupation (1/2); Phase IIe–IIg; Rig VI

Not illustrated

131 Felt Wool

One piece of mid-brown, heavy weight felt, now of variable thickness. Dimensions: 200mm by 200mm. Wool type: H, pigment +, no dye (MR).

A9126; C2611–3; M1.2, Pit 2648; Phase <IIg(IIh); Rig VI

Illus 51

132 2/1 Twill without nap ZS Wool

One piece of dark brown, light weight, unfelted close-woven 2/1 twill; the spinning is firm and even and the threads are evenly packed but there are weaving faults visible in both systems. Dimensions: 175mm by 57mm. System 1: warp, fine, hard Z spun yarn, 20 threads per 10mm. System 2: weft, the same.

A9129; C2611–3; M1.2, Pit 2648; Phase <IIg(IIh); Rig VI

Not illustrated

133 Tabby Wool

One fragment of very dark brown, medium weight, unfelted tabby. Dimensions: 35mm by 40mm. System 1: warp, plump, glossy Z spun yarn, 6 threads per 10mm. System 2: weft, similar yarn, 5–6 threads per 10mm. A9130; C2611–3; M1.2, Pit 2648; Phase <Ilg(IIh); Rig VI Not illustrated

134 2/1 Twill without nap ZS Wool

One piece of dark brown, light weight, unfelted 2/1 twill; the threads are irregularly packed and variable in thickness; 300mm by 180mm. System 1: warp, smooth Z spun yarn, 18 threads per 10mm. System 2: weft, softer S spun yarn, 12 threads per 10mm. No dye (MW). A9271; C2611–3; M1.2, Pit 2648; Phase <Ilg(IIh); Rig VI Not illustrated

135 Yarn Wool

Fragment of dark brown yarn, S spun and 2Z plied, 4mm diameter. Length 125mm. A9320Aa; C2611–3; M1.2, Pit 2648; Phase <Ilg(IIh); Rig VI Not illustrated

136 Yarn Wool?

Fragment of mottled dark brown yarn with coarse fibres, Z spun, 3–4mm diameter. Length 105mm. A9320Ab; C2611–3; M1.2, Pit 2648; Phase <Ilg(IIh); Rig VI Not illustrated

137 Yarn Wool?

At least two fragments of dark brown yarn with coarse fibres, Z spun, 3.5mm diameter. There are two knots present, one of which is a larkshedd knot. Length 145mm. A9320Ac; C2611–3; M1.2, Pit 2648; Phase <Ilg(IIh); Rig VI Not illustrated

138 2/1 Twill with nap ZS Wool

Small offcut of bright bluish-red, felted 2/1 twill with a raised nap on both surfaces. The raised nap obscures the weave. Dimensions: 60mm by 6mm. System 1: warp, Z spun, estimated 12 threads per 10mm. System 2: weft, S spun, approximately 14 threads per 10mm. A9326; C2611–3; M1.2, Pit 2648; Phase <Ilg(IIh); Rig VI Not illustrated

139 2/1 Twill without nap ZS Wool

One piece of very dark brown, medium weight, unfelted 2/1 twill, woven from smooth, glossy yarns. Dimensions: 160mm by 130mm. System 1: warp, Z spun yarn, about 15 threads per 10mm. System 2: weft, similar S spun yarn, 11 threads per 10mm. Wool type: warp M, pigment +++; weft GM, pigment +++ (MR). No dye (MW). A9506; C2611–3; M1.2, Pit 2648; Phase <Ilg(IIh); Rig VI Not illustrated

140 2/2 Twill without nap ZZ Wool

One piece of dark brown, medium weight, unfelted 2/2 twill, closely woven and firm to the touch. Dimensions: 120mm by 120mm. System 1: warp, firm Z spun yarn 10 threads per 10mm. System 2: weft, the same. A9522; C2611–3; M1.2, Pit 2648; Phase <Ilg(IIh); Rig VI Not illustrated

141 2/1 Twill with nap ZS Wool

One piece of distinct reddish brown, medium weight 2/1 twill, heavily felted and compact, with the nap raised on both surfaces. Dimensions: 30mm by 30mm. System 1: warp, fine Z spun yarn, about 10 threads per 10mm. System 2: weft, thicker S spun yarn, about 10 threads per 10mm (estimated). A9536a; C2611–3; M1.2, Pit 2648; Phase <Ilg(IIh); Rig VI Not illustrated

142 2/1 Twill with nap, Others (SS) Wool

One fragment of mid-brown, medium weight 2/1 twill, felted and soft to the touch. Dimensions: 10mm by 85mm. System 1: warp, S spun yarn, about 8 threads per 10mm. System 2: weft, similar yarn, about 8 threads per 10mm, cf a 2/1 twill without nap, SS, probably 14th-century, from Kirk Close, Perth (Bennett 1987, 164). Another 2/1 twill, felted on both sides, with S warp and S weft is from 30–46 Upperkirkgate, Aberdeen (Phase 2b) (Gabra-Sanders 2001a, 232). A9536b; C2611–3; M1.2, Pit 2648; Phase <Ilg(IIh); Rig VI Not illustrated

143 2/1 Twill (?) with nap ZS Wool

Three pieces of mid-brown, heavy medium weight, heavily felted fabric, with nap on both surfaces; the weave is almost totally obscured, but may be 2/1 twill. Dimensions: a) 160mm by 20mm; b) 72mm by 11mm; c) 65mm by 10mm. System 1: warp, Z spun, no count possible. System 2: weft, S spun, no count possible. Wool type: HM, no pigment, no dye in both systems (MR). A9536c; C2611–3; M1.2, Pit 2648; Phase <Ilg(IIh); Rig VI Not illustrated

144 2/1 Twill without nap ZZ Wool

Unconserved fragment of mid brown, light weight, closely woven, unfelted 2/1 twill; 47mm by 76mm. The piece is trapezoidal in shape, with four cut edges. System 1: warp, Z spun, 16 threads per 10mm. System 2: weft, S spun, 16 threads per 10mm. A10409a; C2611–3; M1.2, Pit 2648; Phase <Ilg(IIh); Rig VI Not illustrated

145 2/1 Twill with nap ZS Wool

Unconserved fragment, folded back on itself. The fabric is a light weight 2/1 twill, rich mid-brown in colour, with a raised nap on the surface in which the S spun elements predominate. There is a closed edge 130mm long, consisting of a selvedge, 10mm wide, of tabby weave in which the Z elements are used double and the S elements single. Dimensions: c100mm by 50mm. System 1: warp, Z spun, 14 threads per 10mm. System 2: weft, S spun, 13 threads per 10mm. A10409b; C2611–3; M1.2, Pit 2648; Phase <Ilg(IIh); Rig VI Not illustrated

146 2/1 Twill (?) with nap ZS Wool

Unconserved fragment, folded, plus one even smaller fragment of a felted, deep red 2/1(?) twill with a raised nap on both surfaces. The nap renders identification insecure. Dimensions c20mm by 14mm by 6mm. System 1: warp, Z spun, no count possible. System 2: weft, S, no count possible.

A10409c; C2611–3; M1.2, Pit 2648; Phase <IIg(IIh); Rig VI
Not illustrated

147/ 2/1 Twill without nap ZS Wool

Unconserved crumpled fragment of irregular shape. The fabric is a light weight, unfelted 2/1 twill, dark brown in colour. Dimensions: c110mm by 65mm by 15mm. System 1: warp, Z spun, smooth and regular, 14 threads per 10mm. System 2: weft, S spun, slightly coarser, 12 threads per 10mm.

A10409d; C2611–3; M1.2, Pit 2648; Phase <IIg(IIh); Rig VI
Not illustrated

148 2/1 (?) Twill with nap ZZ Wool

Unconserved fragment, folded, plus a small piece of the same textile which adheres to Cat No 149/A10409f. The fabric is a light weight, felted 2/1 twill, very dark brown in colour, with a raised nap on both surfaces which tends to obscure the weave. Dimensions: c70mm by 18mm by 10mm. System 1: warp, Z spun, 10 threads per 10mm. System 2: weft, the same.

A10409e; C2611–3; M1.2, Pit 2648; Phase <IIg(IIh); Rig VI
Not illustrated

149 2/1 Twill without nap ZS Wool

Unconserved fragment, crumpled, in fragile condition and covered in mud. Light weight, unfelted (?) 2/1 twill, light yellow-brown in colour. Dimensions: c95mm by 90mm by 15mm. System 1: warp, Z spun, count not possible. System 2: weft, S spun, count not possible. A piece of Cat No 148/A10409e adheres to this textile.

A10409f; C2611–3; M1.2, Pit 2648; <IIg(IIh); Rig VI
Not illustrated

150 Tabby (2 ply yarn) Wool

One fragment, in very poor condition, of mid-brown, very heavy tabby; the yarn in System 2 has largely disintegrated. Dimensions: 95mm by 30mm. System 1: warp, very firm 2 ply yarn, Z spun and S plyed, about 3 threads per 10mm. System 2: weft, loosely plyed 2 ply yarn, Z spun and S plyed, about 2.5 threads per 10mm.

A10412; C2611–3; M1.2, Pit 2648; Phase <IIg(IIh); Rig VI
Not illustrated

151 Tabby (2 ply yarn) Wool

One piece of dark brown, exceptionally heavy tabby, constructed from very coarse yarn of irregular thickness. Dimensions: 750mm by 440mm. System 1: warp, 2 ply yarn, Z spun and S plyed, about 2 threads per 10mm. System 2: weft, similar yarn, about 1.5 threads per 10mm.

A10427; C2611–3; M1.2, Pit 2648; Phase <IIg(IIh); Rig VI
Not illustrated

152/ Yarn Wool

One length of very heavy 2S ply yarn in poor condition. Length 200mm.

A10436; C2611–3; M1.2, Pit 2648; Phase <IIg(IIh); Rig VI
Not illustrated

153 Tabby (2 ply yarn) Wool

Two pieces of very dark brown, exceptionally heavy tabby, open-textured and coarse to the touch; the thickness of the yarn and the spacing of the threads are variable. Dimensions: a) 240mm by 200mm; b) 120mm by 60mm. System 1: warp, very firm 2 ply yarn, Z spun and S plyed, about 3 threads per 10mm. System 2: weft, similar yarn, 3–4 threads per 10mm. Wool type: HM, pigment +++, no dye in both systems (MR).

A11266; C2611–3; M1.2, Pit 2648; Phase <IIg(IIh); Rig VI
Not illustrated

154/ 2/1 Twill without nap ZS Wool

One fragment of dark brown, light weight, unfelted 2/1 twill, harsh to the touch. Dimensions: 40mm by 50mm. System 1: warp, fine Z spun yarn, 16 threads per 10mm. System 2: weft, similar yarn, 12 threads per 10mm.

A9121; C2611–3; M1.2, Pit 2648; Phase <IIg(IIh); Rig VI
Not illustrated

155/ 2/1 Twill (?) with nap ZS Wool

One fragment of dark red, light weight but heavily felted fabric; the heavy nap on both surfaces obscures the structure which is probably 2/1 twill. Dimensions: 65mm by 6mm. System 1: warp, fine Z spun yarn, no count possible. System 2: weft, similar S spun yarn, no count possible.

A11288; C2611–3; M1.2, Pit 2648; Phase <IIg(IIh); Rig VI
Not illustrated

156 Tabby (?) (2 ply yarn) Wool

Unconserved textile in an extremely poor, compacted and brittle condition. The yarns are dark brown in colour, with coarse fibres, but identification is insecure.

A8497; C2264–4; M11; Phase IIh; Rigs V and VI
Not illustrated

157 2/1 Twill (?) with nap, Others Wool

One strip, with a selvage on one long edge, of very heavy mid-brown cloth; the weave appears to be 2/1 twill but the structure is obscured by heavy felting and the close packing of the threads. Dimensions: 500mm by 10–25mm. System 1: warp, loosely twisted 2 ply threads, some constructed from fine Z spun yarn and others from softer S spun yarn, no count possible. System 2: weft, S spun yarn, probably used in pairs, about 4 pairs per 10mm.

A8366; C2250–4; M1.3; Phase IIi; Rig VI
Not illustrated

158 2/1 Twill without nap ZS Wool

One piece of light weight, even mid-brown 2/1 twill, lightly felted, close-woven and slightly soft to the touch. Dimensions: 55mm by 50mm. System 1: warp, Z spun yarn, 12 threads per 10mm. System 2: weft, S spun yarn, 11 threads per 10mm. Wool type: GM, no pigment, no dye (yellow discolour) in both systems (MR).

A8432; C2462C–3; M1.3; Phase IIi; Rig VI
Not illustrated

159 Tabby (2 ply yarn) Wool

One fragment of dark brown, very heavy tabby. Dimensions: 80mm by 55mm. System 1: warp, firm 2 ply yarn, Z spun and S plied, 3 threads per 10mm. System 2: weft, similar yarn, 2.5 threads per 10mm.

A8505a; C2462C–3; M1.3; Phase III; Rig VI

Not illustrated

160 2/1 Twill without nap ZS Wool

One piece of dark brown, light-medium weight 2/1 twill, unfelted, coarse to the touch and of uneven appearance. Dimensions: 30mm by 90mm. System 1: warp, Z spun yarn, 10 threads per 10mm. System 2: weft, similar S spun yarn, 9 threads per 10mm.

A8505b; C2462C–3; M1.3; Phase III; Rig VI

Not illustrated

161 2/1 Twill without nap ZS Wool

One piece of mid-brown, light weight 2/1 twill, lightly felted and slightly soft to the touch; the threads are irregularly packed and, in one System, very variable in thickness, resulting in an uneven fabric. Dimensions: 103mm by 95mm. System 1: warp, fine, smooth Z spun yarn, about 12 threads per 10mm. System 2: weft, S spun yarn, variable in thickness, about 12 threads per 10mm.

A8725; C2462C–3; M1.3; Phase III; Rig VI

Not illustrated

162 2/1 Twill with nap ZZ Wool

One fragment of reddish dark brown, light weight 2/1 twill, with a light nap on both surfaces. Dimensions: 13mm by 16mm. System 1: warp, fine, but soft, Z spun yarn, about 15 threads per 10mm. System 2: weft, similar yarn, about 12 threads per 10mm.

A10070; C2462C–3; M1.3; Phase III; Rig VI

Not illustrated

163 2/1 Twill with (?) nap ZS Wool

One fragment, in poor condition, of reddish dark brown, light weight 2/1 twill, lightly felted and with the possible remnants of a raised nap on both surfaces. Dimensions: 25mm by 35mm. System 1: warp, Z spun yarn, about 12 threads per 10mm. System 2: weft, S spun yarn, about 10 threads per 10 mm.

A8832; C2597–3; M1.3; Phase III; Rig VI

Not illustrated

164 2/1 Twill with nap ZS Wool

One piece of even mid-brown, heavy medium weight 2/1 twill, heavily felted and with nap, now partially worn away, on both surfaces. Dimensions: 70mm by 55mm. System 1: warp, Z spun yarn, about 14 threads per 10mm. System 2: weft, S spun yarn, about 12 threads per 10mm. Wool type: GM, no pigment, no dye in both systems (MR).

A9108; C2597–3; M1.3; Phase III; Rig VI

Not illustrated

165 2/1 Twill without nap ZS Wool

One piece of reddish dark brown, light weight 2/1 twill, of uneven texture, unfelted but slightly soft to the touch. Dimensions: 205mm by 100mm. System 1: warp, fine Z spun yarn, 15 threads per 10mm. System 2: weft, similar S spun yarn, 14 threads per 10mm.

A9138; C2597–3; M1.3; Phase III; Rig VI

Not illustrated

166 Braid Wool

Braided cord, 13–15mm in diameter, made on the whiplcord principle (see Illus 71) from mottled mid/dark brown Z spun yarn – 32 strands arranged in eight groups of four. Length 295mm. Wool type: warp H, pigment +++, no dye; weft H, pigment +, no dye (MR).

A9974; C2597–3; M1.3; Phase III; Rig VI

Illus 70

167 2/2 Twill without nap ZZ Wool

Three pieces of dark brown, light weight, unfelted 2/2 twill, close woven and firm to the touch. Dimensions: a) 110mm by 140mm; b) 90mm by 75mm; c) 60mm by 90mm. System 1: warp, firm Z spun yarn, 15 threads per 10mm. System 2: weft, similar yarn, 13–15 threads per 10mm. Wool type: HM, pigment +++ in both systems (MR). No dye (MW).

A9056; C2603–3; M1.3; Phase III; Rig VI

Not illustrated

168 2/1 Twill without nap, Others Wool

Three pieces of dark brown, very heavy weight, unfelted 2/1 twill, moderately firm to the touch. Dimensions: a) 250mm by 235mm; b) 115mm by 180mm; c) 50mm by 95mm. System 1: warp, glossy, firmly Z spun yarn, variable in thickness, 8 threads per 10mm. System 2: weft, each element composed of a pair of threads, one Z spun and one S spun, 4–5 pairs per 10mm. Wool type: warp H, pigment ++, no dye; weft HM, pigment +++, no dye (MR).

A9057a; C2603–3; M1.3; Phase III; Rig VI

Illus 39 and cf Illus 38

169 2/1 Twill without nap ZS Wool

One piece of light weight, dark brown, 2/1 twill, evenly spun and woven, unfelted but soft to the touch. Dimensions: 70mm by 150mm. System 1: warp, fine Z spun yarn, 14 threads per 10mm. System 2: weft, similar S spun yarn, 12–13 threads per 10mm.

A9057b; C2603–3; M1.3; Phase III; Rig VI

Not illustrated

170 2/1 Twill without nap ZZ Wool

Two pieces of very dark brown, heavy weight, unfelted 2/1 twill. Dimensions: a) 132mm by 45mm; b) 72mm by 35mm. System 1: warp, plump, glossy Z spun yarn, about 7 threads per 10mm. System 2: weft, the same.

A09–0142; C9520–9; B19 (Phase 1), North Room–Occupation (4b); Phase IIIa; Rig VII

Not illustrated

171 Yarn Wool

Very coarse, hairy, mottled mid-brown 2S ply yarn. 5–6mm in diameter. Dimensions: 252 mm.

A09–0145a; C9520–9; B19 (Phase 1), North Room–Occupation (4b); Phase IIIa; Rig VII
Not illustrated

172 Yarn Wool

Very coarse, hairy, mottled 3S ply yarn, 5–7mm in diameter. Length 168mm.

A09–0145b; C9520–9; B19 (Phase 1), North Room–Occupation (4b); Phase IIIa; Rig VII
Not illustrated

173 Yarn Wool

Fragment of dark brown, firm, smooth 2S ply yarn, about 2mm in diameter. Length 95mm.

A11309; C3874–1; MC112b; Phase IIIb; Rig VII
Not illustrated

174 Cordage ? Horse hair

Two pieces, knotted together at both ends, of firm, even dark brown cordage, about 10mm in diameter. The cord is composed of three elements, each a firm 2Z ply yarn, twisted together in S direction. Length 1040mm. There is a further fragment, knotted, of the same cord about 80mm long.

A09–0141; C9479–9; B19 (Phase 2a), North Room–Floor (1); Phase IIIb; Rig VII
Illus 72

175 Felt Wool

Fragments, in poor condition, of mid-brown felt. Dimensions: c65mm by 80mm in all.

A09–0107; C9473–9; B19 (Phase 2a), North Room–Occupation (3c); Phase IIIb; Rig VII
Not illustrated

176 2/1 Twill with nap ZS Wool

One piece of heavy medium weight, dark brown, felted 2/1 twill, with the nap raised on one side; both spinning and weaving are uneven. Dimensions: 75mm by 130mm. System 1: warp, Z spun yarn, about 8 threads per 10mm. System 2: weft, S spun yarn, softer and thicker, about 8 threads per 10mm.

A09–0110; C9473–9; B19 (Phase 2a), North Room–Occupation (3c); Phase IIIb; Rig VII
Not illustrated

177 2/1 Twill without nap ZS Wool

One piece of mid-brown, light medium weight, 2/1 twill, unfelted but soft to the touch, and of uneven texture. Dimensions: 140mm by 190mm. System 1: warp, smooth Z spun yarn, 10–11 threads per 10mm. System 2: weft, S spun yarn, variable in thickness, 9–10 threads per 10mm. Dye: indigotin (MW).

A09–0108; C9476–9; B19 (Phase 2a), North Room–Occupation (3c); Phase IIIb; Rig VII
Not illustrated

178 2/1 Twill with nap ZS Wool

One piece of even mid-brown, medium weight, compact 2/1 twill, with a slight nap on both surfaces; there is an indentation running parallel to and about 5mm away from one edge which may indicate a seam line. Dimensions: 100mm by 80mm. System 1: warp, Z spun yarn, 11–12 threads per 10mm. System 2: weft, slightly thicker S spun yarn, 13 threads per 10mm.

A09–0111; C9476–9; B19 (Phase 2a), North Room–Occupation (3c); Phase IIIb; Rig VII
Not illustrated

179 Yarn Wool

Very dark brown, coarse 2S ply yarn, probably from Cat No 180/ A09–0138 (tabby; 2 ply yarn). Length 90mm.

A09–0144; C9502–9; M13; Phase IIg–IIIb; Rig VII
Not illustrated

180 Tabby (2 ply yarn) Wool

One fragment of dark brown, very heavy tabby. Dimensions: 103mm by 92mm. System 1: warp, 2 ply yarn, Z spun and S plyed, 2.5–3 threads per 10mm. System 2: weft, the same. No dye (MW).

A09–0138; C9509–9; M13; Phase IIg–IIIb; Rig VII
Not illustrated

181 2/2 Twill without nap ZZ Wool

One piece of very dark brown, light medium weight, unfelted 2/2 twill, close woven and comparatively even in spinning and weaving. There is a closed edge on one short margin – a tubular selvedge of seven threads of a similar yarn to that used in the main body of the fabric, but the weave of the selvedge is tabby. Dimensions: 45mm by 40mm. System 1: warp, smooth, firm Z spun yarn, 12 threads per 10mm. System 2: weft, similar yarn, 10 threads per 10mm. Wool type: HM, pigment +++, no dye in both systems (MR). cf a Norwegian Migration Period textile, identified as a blanket, from a chieftain's grave at Evebø/Eide, a 2/2 twill, fullled, ZZ, with tubular selvedges. However the selvedges only have three or five warp ends, and the main fabric has a lower warp and weft count than the Perth textile (Raknes Pederson 1982, 75–6, Figures 1 and 2).

A8085; C2242–4; M1.4a(a); Phase IIIa–IIIc; Rig VI
Illus 13

182 2/1 Twill with nap ZS Wool

One piece of bright mid-brown, medium weight 2/1 twill, felted and with the nap raised on both surfaces. Dimensions: 30mm by 70mm. System 1: warp, Z spun yarn, 8–9 threads per 10mm. System 2: weft, softer and thicker S spun yarn, 8 threads per 10mm.

A09–0094; C9443–9; P8.1b and B19 (Phase 2b), South Room–Occupation (1a); Phase IIIc; Rig VII
Not illustrated

183 Yarn Silk

Fragments of yellowish mid-brown, fine 2S ply silk; the yarn is kinked as if it was originally woven, perhaps with tablets. Length up to 120mm.

A09–0098; C9443–9; P8.1b and B19 (Phase 2b), South Room–Occupation (1a); Phase IIIc; Rig VII
Not illustrated

184 2/1 Twill without nap ZS Wool

One narrow strip, with one long edge closed, of very dark brown, light medium weight, unfelted 2/1 twill, closely woven and firm to the touch; there are no special arrangements for the closed edge and it is not clear whether the weave is that of a main fabric or whether the entire strip is itself the selvedge of a fabric, the remainder of which has not survived. Dimensions: 317mm by 7mm. System 1: warp, smooth firm Z spun yarn, 14 threads per 10mm. System 2: weft, thicker S spun yarn, 12 threads per 10mm. A09–0106; C9462–9; B19 (Phase 2b), North Room–Floor (1); Phase IIIc; Rig VII
Not illustrated

185 2/1 Twill with nap ZZ Wool

One fragment of reddish mid-brown, light weight, closely woven 2/1 twill, soft, and with the remains of a light nap on both surfaces. Dimensions: 22mm by 13mm. System 1: warp, fine even Z spun yarn, about 16 threads per 10mm. System 2: weft, softer Z spun yarn, 12 threads per 10mm. A09–0096; C9439–9; B19 (Phase 2b), North Room–Floor (2b); Phase IIIc; Rig VII
Not illustrated

186 2/1 Twill with nap ZS Wool

One piece of light brown, heavy weight 2/1 twill, with a slight nap on both surfaces and a closely woven but uneven texture. Dimensions: 55mm by 32mm. System 1: warp, Z spun yarn, about 10 threads per 10mm. System 2: weft, considerably thicker and softer S spun yarn, variable in diameter, about 5 threads per 10mm. A09–0086; C9413–9; B19 (Phase 2b), North Room–Occupation (3); Phase IIIc; Rig VII
Not illustrated

187 2/1 Twill with nap ZS Wool

One piece of heavy medium weight, olive brown 2/1 twill, with slight nap on both surfaces; the fibres are now brittle. Dimensions: 200mm by 25mm. System 1: warp, Z spun yarn of irregular thickness, about 10 threads per 10mm. System 2: weft, similar S spun yarn, about 8 threads per 10mm. No dye (MW). A09–0091; C9438–9; B19 (Phase 2b), South Room–Occupation (2a); Phase IIIc; Rig VII
Not illustrated

188 2/2 Twill without nap ZZ Wool

One piece of dark brown, light weight, unfelted 2/2 twill, close-woven and firm to the touch. Dimensions: 120mm by 50mm. System 1: warp, smooth firm Z spun yarn, 10 threads per 10mm. System 2: weft, similar yarn, 8–10 threads per 10mm. A09–0084; C9414–9; P8.1c; Phase IIIc; Rig VII
Not illustrated

189 2/1 Twill with nap ZS Wool

Three pieces of even mid-brown, medium weight 2/1 twill, heavily felted with nap on both surfaces, but now worn. Dimensions: a) 125mm by 45mm; b) 25mm by 70mm; c) 35mm by 15mm. System 1: warp, fine soft Z spun yarn, 9–10 threads per 10mm. System 2: weft, thicker S spun yarn, 9–10 threads per 10mm. A09–0089; C9414–9; P8.1c; Phase IIIc; Rig VII
Not illustrated

190 2/1 Twill without nap ZZ Wool

One piece of worn, dark brown, light medium weight 2/1 twill, unfelted but slightly soft to the touch, with about 105mm of closed edge of simple structure, on one margin. Dimensions: 225mm by 186mm. System 1: warp, fine Z spun yarn, 13 threads per 10mm. System 2: weft, similar yarn, 10–11 threads per 10mm. A09–0130; C7383–7; M6a; Phase IIg–IIId; Rig VI
Not illustrated

191 2/1 Twill without nap ZZ Wool

One piece of dark brown, light weight, unfelted, close woven and firm 2/1 twill, even in spinning and weaving. Dimensions: 147mm by 110mm. System 1: warp, fine hard Z spun yarn, 18 threads per 10mm. System 2: weft, similar yarn, 16 threads per 10mm. A09–0058; C9401–9; M15; Phase IIIId; Rig VII
Not illustrated

192 2/1 Twill without nap ZS Wool

One piece of worn, mid-brown, medium weight, unfelted 2/1 twill; the yarns in both systems are variable in thickness and tension and the threads are unevenly packed. Dimensions: 320mm by 250mm. System 1: warp, Z spun yarn, 8–10 threads per 10mm. System 2: weft, S spun yarn, 7–10 threads per 10 mm. A09–0078; C9404–9; M15; Phase IIIId; Rig VII
Not illustrated

193 2/1 Twill without nap ZZ Wool

One piece of very dark brown, light medium weight 2/1 twill, unfelted and firm to the touch. Dimensions: 65mm by 75mm. System 1: warp, smooth, firm Z spun yarn, 10–11 threads per 10mm. System 2: weft, similar yarn, 9 threads per 10mm. A09–0081; C9404–9; M15; Phase IIIId; Rig VII
Not illustrated

194 Yarn Wool

Three fragments of coarse, dark brown 2S ply yarn, plus three further unplied fragments. Maximum length is 113mm, and the diameter of the plied yarns is 3mm. A09–0082; C9404–9; M15; Phase IIIId; Rig VII
Not illustrated

195 2/1 Twill with nap ZS Wool

Fragment of distinct red brown, medium weight 2/1 twill, very compact and with the nap raised on both surfaces. Dimensions: 33mm by 38mm. System 1: warp, Z spun yarn, 14 threads per 10mm. System 2: weft, thicker S spun yarn, about 8–9 threads per 10mm. A09–0083; C9404–9; M15; Phase IIIId; Rig VII
Not illustrated

196 2/1 Twill without nap ZZ Wool

One worn fragment of dark brown, light weight, unfelted 2/1 twill. Dimensions: 25mm by 40mm. System 1: warp, Z spun yarn, 13 threads per 10mm. System 2: weft, similar yarn, 10 threads per 10mm. No dye (MW). A09–0123; C7340–7; M15, Pit 9415; Phase IIIId; Rig VII
Not illustrated

197 2/2 Twill without nap ZZ Wool

Two pieces of dark brown, light medium weight 2/2 twill, unfelted and very firm to the touch; the threads are very unevenly packed and there are a number of weaving mistakes. Dimensions: a) 160mm by 245mm; b) 360mm by 420mm. System 1: warp, fine hard Z spun yarn, 11–18 threads per 10mm. System 2: weft, similar yarn, 11–15 threads per 10mm. No dye (MW).

A8520; C2581–3; M6b; Phase IIg–IIId; Rig V

Not illustrated

198 2/1 Twill without nap ZS Wool

Two pieces of dark brown, light weight 2/1 twill, lightly felted, comparatively close woven and soft to the touch; the threads are unevenly packed and variable in thickness. Dimensions: a) 68mm by 105mm; b) 38mm by 110mm. System 1: warp, fine smooth Z spun yarn, about 17 threads per 10mm. System 2: weft, heavier S spun yarn, about 9 threads per 10mm.

A9497; C2644–3; MC119, Pit 7390; Phase <IIlc–IVa; Rig VI

Not illustrated

199 2/1 Twill without nap ZS Wool

One fragment of heavy weight, unfelted 2/1 twill; the colour is generally sandy brown, but with a few dark threads in System 1; but the piece is too small to judge whether this represents deliberate striping or is simply the result of using unsorted wool. Dimensions: 30mm by 50mm. System 1: warp, plump Z spun yarn, 7 threads per 10mm. System 2: weft, similar S spun yarn, 7 threads per 10 mm. Wool type: warp HM, pigment +++ (black), no dye; weft GM, no pigment, no dye (MR).

A9766a; C2644–3; MC119, Pit 7390; Phase <IIlc–IVa; Rig VI

Not illustrated

200 2/1 Twill without nap ZS Wool

One piece of reddish mid-brown light weight, unfelted 2/1 twill. Dimensions: 45mm by 40mm. System 1: warp, fine Z spun yarn, 12 threads per 10mm. System 2: weft, slightly heavier S spun yarn, 12 threads per 10mm.

A9766b; C2644–3; MC119, Pit 7390; Phase <IIlc–IVa; Rig VI

Not illustrated

201 2/1 Twill without Nap ZS Wool

Three small pieces (and two fragments) of bright mid-brown, light medium weight 2/1 twill, lightly felted and comparatively close woven. Dimensions: a) 50mm by 33mm; b) 45mm by 38mm; c) 42mm by 35mm. System 1: warp, fine Z spun yarn, 12 threads per 10mm. System 2: weft, heavier S spun yarn, 8 threads per 10mm.

A9766c; C2644–3; MC119, Pit 7390; Phase <IIlc–IVa; Rig VI

Not illustrated

202 Felt? Wool

Fragments of reddish dark brown matted wool; it is not clear whether these are the remains of felt or simply matted unsorted fibres. Dimensions: c65mm by 30mm in all.

A09–0132a; C7386–7; MC119, Pit 7390; Phase <IIlc–IVa;

Rig VI

Not illustrated

203 Yarn Wool

Two lengths, knotted together, of firm 2S ply, bright mid-brown yarn, 2–3mm in diameter, constructed from smooth Z spun yarn. Length 400mm in all.

A09–0132b; C7386–7; MC119, Pit 7390; Phase <IIlc–IVa; Rig VI

Not illustrated

204 Tabby Wool

Two strips of heavy weight tabby, each with a closed edge on one long margin, perhaps selvages rather than part of the main fabric; the first System which runs parallel to the closed edge, probably the warp, is closely packed and largely covers the second System which is composed of finer yarn used double; at the edge of the fabric the double threads pass round the outermost two warp threads before returning into the fabric. Dimensions: a) 135mm by 35mm; b) 100mm by 25mm. System 1: warp, plump, smooth, S spun mid-brown yarn, 9 threads per 10mm; 22 threads remain on the larger piece. System 2: weft, lighter weight S spun yarn, used double, 3 pairs threads per 10mm; in most, but not all sheds, one thread is a similar shade to the warp and the second is dark brown. Minute trace of unknown blue dye (?) (MW).

A09–0133a; C7386–7; MC119, Pit 7390; Phase <IIlc–IVa; Rig VI

Illus 21

205 2/2 Twill without nap ZS Wool

One piece, very worn, of coarse, heavy, unfelted 2/2 twill, the yarn varying in colour from light to mid-brown. Dimensions: 263mm by 35mm. System 1: warp, smooth Z spun yarn, 6–7 threads per 10mm. System 2: weft, heavier S spun yarn, 4–5 threads per 10mm.

A09–0133b; C7386–7; MC119, Pit 7390; Phase <IIlc–IVa; Rig VI

Not illustrated

206 2/1 Twill without nap ZZ Wool

Four pieces, very worn, of even light brown, light medium weight 2/1 twill, unfelted and with an open texture. Dimensions: a) 180mm by 35mm; b) 153mm by 28mm; c) 75mm by 14mm; d) 59mm by 29mm. System 1: warp, smooth Z spun yarn, 9 threads per 10mm. System 2: weft, the same.

A09–0134a; C7386–7; MC119, Pit 7390; Phase <IIlc–IVa; Rig VI

Not illustrated

207 2/1 Twill without nap ZZ Wool

One fragment of dark red-brown, light weight 2/1 twill, unfelted but close woven and firm to the touch, unusually well executed in both spinning and weaving. Dimensions: 95mm by 12mm. System 1: warp, fine, smooth, Z spun yarn, 18 threads per 10mm. System 2: weft, similar yarn, 16 threads per 10mm.

A09–0134b; C7386–7; MC119, Pit 7390; Phase <IIlc–IVa; Rig VI

Not illustrated

208 2/1 Twill without nap ZS Wool

One piece of reddish mid-brown, light weight, unfelted 2/1 twill; the threads are variable in tension and unevenly packed. Dimensions: 131mm by 90mm. System 1: warp, Z spun yarn, about 13 threads per 10mm. System 2: weft, S spun yarn, more variable in thickness, 11–13 threads per 10mm.

A09–0135a; C7386–7; MC119, Pit 7390; Phase <IIlc–IVa; Rig VI

Not illustrated

209 2/1 Twill with nap ZS Wool

One piece of sandy brown, light medium weight 2/1 twill, of uneven appearance, with a light nap on both surfaces. Dimensions: 122mm by 119mm. System 1: warp, Z spun yarn, 15 threads per 10mm. System 2: weft, slightly heavier S spun yarn, 10 threads per 10mm.

A09–0135b; C7386–7; MC119, Pit 7390; Phase <IIIC–IVA; Rig VI

Not illustrated

210 2/1 Twill without nap ZS Wool

One piece of light medium weight, unfelted 2/1 twill, dark brown but lighter in patches, moderately even in spinning and weaving. Dimensions: 112mm by 116mm. System 1: warp, fine smooth Z spun yarn, 10 threads per 10mm. System 2: weft, heavier S spun yarn, 9 threads per 10mm.

A09–0135c; C7386–7; MC119, Pit 7390; Phase <IIIC–IVA; Rig VI

Not illustrated

211 2/1 Twill without nap ZZ Wool

One piece of even mid-brown, light medium weight 2/1 twill, unfelted but close woven and slightly firm to the touch. Dimensions: 125mm by 15mm. System 1: warp, smooth Z spun yarn, about 16 threads per 10mm. System 2: weft, similar yarn, 10–12 threads per 10mm. Wool type: warp HM, pigment +, no dye; weft GM, no pigment, no dye (MR).

A9903a; C2536–3; P2.2b; Phase IVA; Rig V

Not illustrated

212 2/1 Twill without nap ZS Wool

One fragment of even mid-brown, medium weight 2/1 twill, without nap, felted, compact and slightly soft to the touch. Dimensions: 20mm by 50mm. System 1: warp, fine Z spun yarn, about 15 threads per 10mm. System 2: weft, heavier S spun yarn, about 12 threads per 10mm. Wool type: GM, no pigment, no dye in both systems (MR).

A9903b; C2536–3; P2.2b; Phase IVA; Rig V

Not illustrated

213 2/1 Twill with nap ZS Wool

Two pieces of distinct red-brown, medium weight, heavily felted and compact 2/1 twill, with a pronounced nap on both sides. Dimensions: a) 50mm by 30mm; b) 80mm by 25mm. System 1: warp, firm Z spun yarn, no count possible. System 2: weft, spun yarn, no count possible. Wool type: warp H, no pigment; weft HM, no pigment; red dye in both (MR). Madder present in quantity (MW).

A9905; C2536–3; P2.2b; Phase IVA; Rig V

Not illustrated

214 Yarn Wool

Fragment of heavy, 2Z ply mottled mid/dark brown yarn; 45mm.

A8864; C2512–3; MC156; Phase IVaa; Rig V

Not illustrated

215 2/1 Twill with nap ZS Wool

One triangular piece of heavy medium weight, even mid-brown, felted 2/1 twill, with pronounced nap (now partially worn) on both sides. Dimensions: 60mm by 85mm. System 1: warp, Z spun yarn, about 10 threads per 10mm. System 2: weft, S spun, 12 threads per 10mm.

A09–0057; C9358–9; B18 (Phase 1a), Middle Room/Hall–Occupation (1b); Phase IVA,IVaa; Rig VII

Not illustrated

216 Yarn Wool

Very dark brown, coarse, hairy 2S ply yarn, about 4mm in diameter. Length 59mm.

A6694a; C3564–1; B20, Levelling; Phase <IIId–IVaa; Rig VI

Not illustrated

217 Tablet weaving Silk

Fragment, in poor condition, of a tablet-woven band, the weft of which has disintegrated. The band, originally perhaps 8mm wide, is composed of 56 warp threads—very fine 2S ply silk yarn—now a yellowish beige with patches of a brighter orange colour, arranged in 14 groups of four. The four border groups on each side are twisted in S direction, the remaining central six in Z direction. Length 75mm.

A6694b; C3564–1; B20, Levelling; Phase <IIId–IVaa; Rig VI

Not illustrated

218 2/1 Twill without nap ZS Wool

Two pieces of dark brown, light weight, unfelted 2/1 twill, close woven and firm to the touch, with a closed edge of simple structure on one long margin of one piece; the two long margins of piece (b) and one long margin of piece (a) are turned in by 5–8mm, as if they have been seamed, but there is no trace of sewing thread.

Dimensions: a) 105mm by 50mm; b) 105mm by 75mm. System 1: warp, fine hard Z spun yarn, 16 threads per 10mm. System 2: weft, S spun yarn, more variable in thickness, 13–14 threads per 10mm.

A6634; C3553–1; B20, Occupation (1a); Phase <IIId–IVaa; Rig VI

Not illustrated

219 2/1 Twill without nap ZS Wool

One piece (and a fragment) of dark brown, light medium weight 2/1 twill, unfelted but close woven and slightly soft to the touch; both spinning and weaving are uneven; 240mm by 165mm. System 1: warp, smooth Z spun yarn, 12 threads per 10mm. System 2: weft, softer S spun yarn, 12 per 10mm.

A11662; C3552–1; B20, Occupation (2b); Phase <IIId–IVaa; Rig VI

Not illustrated

220 2/1 Twill without nap ZS Wool

One piece of mid-brown, light weight 2/1 twill, unfelted and open textured but soft to the touch, of uneven appearance; the thickness of the yarn in both systems is variable. Dimensions: 45mm by 43mm. System 1: warp, Z spun yarn, 10–11 threads per 10mm. System 2: weft, similar S spun yarn, 7 threads per 10mm.

A09–0139; C7363–7; MC130; Phase <IIIC–IVaa; Rig VII

Not illustrated

221 Tabby (2 ply yarn) Wool

One piece of mottled mid/dark brown, very heavy tabby, coarse to the touch, and slightly open in texture. Dimensions: 480mm by 400mm. System 1: warp, 2 ply yarn, Z spun and S plied, 2.5 threads per 10mm. System 2: weft, similar yarn, 2 threads per 10mm. Wool type: warp H, pigment ++, no dye; weft HM, pigment +++, no dye (MR). A6126; C2498–3; B2, WW2498; Phase IVa,IVaa; Rig VI
Not illustrated

222 2/2 Twill without nap ZS Wool

Three fragments, very worn, of bright mid-brown, medium weight 2/2 twill. Dimensions: c90mm by 40mm in all. System 1: warp, smooth Z spun yarn, 6 threads per 10mm. System 2: weft, similar S spun yarn, about 6 threads per 10mm.

A9902; C2796–2; B2, Late Occupation/Abandonment (2) and M1.4d; Phase IVa–IVc; Rig VI

Not illustrated

223 Yarn ? Silk

Group of at least 16 lengths of dark brown, fine, firm, 2S ply yarn. The width of the unit is 5mm. Not clear whether the group was originally worked together, eg to form a cord, as component yarns seem to lie in groups of four. Yarn resembles that used in the stitching of silk tabby 346A09–0044. Length up to 205mm.

A7835; C2546–3; B3 (South), Occupation (1b); Phase IVa,IVaa; Rig V

Not illustrated

224 2/1 Twill without nap ZZ Wool

One piece of dark brown, light weight, unfelted, firm 2/1 twill with 55mm of closed edge of simple structure remaining on one margin; the warp threads are more closely packed for 4mm at the selvedge. Dimensions: 35mm by 67mm. System 1: warp, fine hard Z spun yarn, 17 threads per 10mm. System 2: weft, similar yarn, 15 threads per 10mm.

A09–0075a; C9331–9; B18 (Phase 1b), North Room–Floor;

Phase IVa,IVaa; Rig VII

Not illustrated

225 2/1 Twill without nap ZZ Wool

One piece of very dark brown, medium weight, very closely woven 2/1 twill, hard to the touch. Dimensions: 120mm by 17mm. System 1: warp, smooth, plump Z spun yarn, 10–11 threads per 10mm. System 2: weft, similar yarn, 9–10 threads per 10mm.

A09–0075b; C9331–9; B18 (Phase 1b), North Room–Floor;

Phase IVa,IVaa; Rig VII

Not illustrated

226 2/1 Twill without nap ZZ Wool

Three pieces of dark brown, light weight, unfelted, close woven and firm 2/1 twill, evenly spun and woven; piece (c) has 260mm of closed edge, of simple structure, on one long margin. Dimensions:

a) 385mm by 150mm; b) 115mm by 60mm; c) 285mm by 25mm.

System 1: warp, fine hard Z spun yarn, 18 threads per 10mm. System 2: weft, similar yarn, 15 threads per 10mm.

A09–0120; C7334–7; B18 (Phase 1b), North Room–Occupation

(5b); Phase IVa,IVaa; Rig VII

Not illustrated

227 Sprang Wool

Two fragments of sprang, worked in very fine, hard, dark brown, S spun yarn. The yarn has been worked into an elastic, octagonal mesh, the octagons being approximately 3mm across when expanded. Dimensions: a) 90mm by 25mm; b) 50mm by 15mm (not expanded).

A09–0121; C7334–7; B18 (Phase 1b), North Room–Occupation (5b); Phase IVa,IVaa; Rig VII

Illus 65, 66

228 2/1 Twill with nap ZS Wool

Seven fragments of bright sandy brown, light medium weight 2/1 twill, lightly felted and with the remains of a slight nap on both surfaces; the nap has a distinct red tinge. Dimensions:

a) 110mm by 55mm; b) 45mm by 35mm; c) 40mm by 55mm; d) 50mm by 20mm; e) 40mm by 30mm; f) 35mm by 25mm.

System 1: warp, Z spun yarn, 10 threads per 10mm. System 2: weft, thicker and more irregular S spun yarn, 8–9 threads per 10mm. Wool type: warp M; no pigment, no dye in both systems (MR).

A6124a; C2211–4; MC160, Pit 2232; Phase IVb; Rig VI

Not illustrated

229 2/1 Twill without nap ZS Wool

Two pieces of dark brown, light weight, lightly felted 2/1 twill, slightly soft to the touch. Dimensions: a) 130mm by 70mm; b) 65mm by 100mm. System 1: warp, smooth Z spun yarn, 13 threads per 10mm. System 2: weft, heavier S spun yarn, 13 threads per 10mm.

A6124b; C2211–4; MC160, Pit 2232; Phase IVb; Rig VI

Not illustrated

230 2/1 Twill with nap ZS Wool

Two fragments of dark reddish brown, medium weight, very heavily felted and compact fabric; the structure is obscured but is probably 2/1 twill. System 1: warp, Z spun yarn, no count possible System 2: weft, S spun yarn, no count possible. Dye: madder (MW).

A6124c; C2211–4; MC160, Pit 2232; Phase IVb; Rig VI

Not illustrated

231 2/1 Twill with nap ZS Wool

One piece of dark, red brown, medium weight, felted 2/1 twill, with the nap (now partially worn away) raised on both surfaces. Dimensions: 20mm by 175mm. System 1: warp, fine, smooth Z spun yarn, 10 threads per 10mm. System 2: weft, thicker S spun yarn, 10 threads per 10mm. Wool type: warp M, no pigment, no dye; weft GM, no pigment, no dye (MR).

A9906; C2211–4; MC160, Pit 2232; Phase IVb; Rig VI

Not illustrated

232 Yarn Horse hair?

Very firm 2S ply dark brown yarn, about 3mm in diameter. Length 190mm.

A09–0129; C7336–7; MC126, Pit 7402; Phase IVaa,IVb;

Rig VII

Not illustrated

233 2/2 Twill Silk

One piece, worn and with an irregular outline, of golden yellow, fine 2/2 lozenge twill with point repeat. A short length of dark brown silk yarn with a tight Z twist clings to this textile. Dimensions: 134mm by 145mm. System 1: warp, firm Z spun yarn, 35–38 threads per 10mm. System 2: weft, untwisted yarn, 25–27 threads per 10mm. 13th century.

A09–0122; C7342–7; MC126, Pit 7402; Phase IVaa,IVb; Rig VII Illus 47, 48

234 Tablet weaving (?) Silk

Firm cord, 2mm in diameter, composed of about 44 lengths of very fine 2S ply light yellowish-brown yarn, twisted in Z direction. The surface of the cord is very close textured and the structure is not clear, but it has possibly been tablet-woven with a spiral weft. Where visible, the weft yarns are of silk, used double, but they are in a worn condition. Length 320mm.

A09–0124a; C7342–7; MC126, Pit 7402; Phase IVaa,IVb; Rig VII Not illustrated

235 Tablet weaving Silk

Two pieces, in poor condition, of tablet-woven, light yellowish-brown brown cord, about 3mm in diameter. The cord has been woven from loosely spun 2S ply yarn, possibly on 10 four-hole tablets, with a spiral weft which has since disintegrated. Length a) 180mm; b) 130mm.

A09–0124b; C7342–7; MC126, Pit 7402; Phase IVaa,IVb; Rig VII Not illustrated

236 2/1 Twill with nap ZS Wool

Fragment, very worn, of mid-brown, light weight 2/1 twill, soft to the touch and with a light nap on one surface; both spinning and weaving are relatively even. Dimensions: 80mm by 30mm. System 1: warp, fine Z spun yarn, 12 threads per 10mm. System 2: weft, similar S spun yarn, 10 threads per 10mm.

A09–0124c; C7342–7; MC126, Pit 7402; Phase IVaa,IVb; Rig VII Not illustrated

237/Yarn Wool

Fragment of coarse, hairy, very dark brown 2S ply yarn, about 3mm in diameter. Length 75mm.

A09–0143; C7342–7; MC126, Pit 7402; Phase IVaa,IVb; Rig VII Not illustrated

238/ Tablet weaving Silk

Two lengths, in poor condition, of tablet-woven cord, 2mm in diameter. The cord has been woven from Z (?) twisted silk yarn, now bright yellowish brown, on eight (?) four-hole tablets, with a spiral weft which has since disintegrated. Dimensions: a) 120mm; b) 225mm.

A09–0109; C7310–7; B18 (Phase 1/2); Phase IVaa,IVb; Rig VII Not illustrated

239 2/2 Twill without nap ZZ Wool

One piece of dark brown, light weight, unfelted 2/2 twill, closely and evenly woven. Dimensions: 80mm by 105mm. System 1: warp, smooth Z spun yarn, 16 threads per 10mm. System 2: weft, similar yarn but more variable in thickness, 15–17 threads per 10mm.

A09–0069; C9216–9; B18 (Phase 1/2); Phase IVaa,IVb; Rig VII Not illustrated

240 Yarn Wool

Fragment of coarse, firm, Z spun and 2S ply dark brown yarn, diameter 3mm. Length 38mm.

A09–0065; C9153–9; B18 (Phase 1/2); Phase IVaa,IVb; Rig VII Not illustrated

241 2/1 Twill (?) with nap ZS Wool

One small strip of even mid-brown, heavy medium weight fabric with the nap raised on both surfaces; heavy finishing has almost totally obscured the weave, which is probably 2/1 twill. System 1: warp, Z spun yarn, about 10 threads per 10mm. System 2: weft, S spun yarn, about 10 threads per 10mm.

A09–0067; C9153–9; B18 (Phase 1/2); Phase IVaa,IVb; Rig VII Not illustrated

242 2/1 Twill without nap ZS Wool

One fragment, very worn, of mid-golden brown, medium weight, unfelted 2/1 twill, open textured but soft to the touch. Dimensions: 75mm by 30mm. System 1: warp, plump, glossy Z spun yarn, 6 threads per 10mm. System 2: weft, similar S spun yarn, 4–5 threads per 10mm.

A09–0033; C9159–9; B18 (Phase 1/2), MF9194; Phase IVaa,IVb; Rig VII

Not illustrated

243 2/2 Twill without nap ZZ Wool

One fragment of very dark brown, medium weight, unfelted and closely woven 2/2 twill. Dimensions: 25mm by 50mm. System 1: warp, smooth, firm Z spun yarn, 9 threads per 10mm. System 2: weft, the same.

A09–0034; C9159–9; B18 (Phase 1/2), MF9194; Phase IVaa,IVb; Rig VII

Not illustrated

244 2/1 Twill without nap ZS Wool

One fragment, very worn, of light medium weight, lightly felted 2/1 twill. Dimensions: 35mm by 28mm. System 1: warp, fine, smooth Z spun yarn about 8 threads per 10mm. System 2: weft, softer and thicker S spun yarn, about 6 threads per 10mm.

A09–0062; C9159–9; B18 (Phase 1/2), MF9194; Phase IVaa,IVb; Rig VII

Not illustrated

245 2/1 Twill without nap ZS Wool

One piece of very dark brown, light weight 2/1 twill, unfelted but close woven. Dimensions: 65mm by 83mm. System 1: warp, smooth, firm Z spun yarn, 15–16 threads per 10mm. System 2: weft, similar S spun yarn, 13–14 threads per 10mm.

A09–0100; C7294–7; M1.4f; Phase IVc; Rig VI

Not illustrated

246 Tabby (2 ply yarn) Wool

One fragment, in poor condition, of dark brown, exceptionally coarse and heavy tabby with 25mm of closed edge, of simple structure, on one margin. Dimensions: 140mm by 80mm. System 1: warp, 2 ply yarn, Z spun and S plied, about 2 threads per 10mm. System 2: weft, similar yarn, about 1.5 threads per 10mm.

A09–0101; C7294–7; M1.4f; Phase IVc; Rig VI

Not illustrated

247 2/1 Twill without nap ZS Wool

One piece of bright mid-brown, light weight 2/1 twill, unfelted but close woven and firm to the touch. Dimensions: 75mm by 45mm. System 1: warp, smooth Z spun yarn, 13 threads per 10mm. System 2: weft, slightly thicker S spun yarn, 11 threads per 10mm.

A09–0113; C7326–7; M1.4f; Phase IVc; Rig VI
Not illustrated

248 2/1 Twill without nap ZS Wool

One piece of very dark brown, light weight 2/1 twill, unfelted but close woven and firm to the touch; both spinning and weaving are even. Dimensions: 187mm by 42mm. System 1: warp, smooth firm Z spun yarn, 18 threads per 10mm. System 2: weft, similar S spun yarn, 15 threads per 10mm.

A09–0114; C7326–7; M1.4f; Phase IVc; Rig VI
Not illustrated

249 2/1 Twill without nap ZS Wool

One piece, now worn, of dark brown, light weight 2/1 twill, unfelted but close woven and firm to the touch; there is a ridge parallel to and about 7mm away from one margin which probably represents a seam line, but no sewing thread survives. Dimensions: 155mm by 120mm. System 1: warp, smooth firm Z spun yarn, 16 threads per 10mm. System 2: weft, similar S spun yarn, 15 threads per 10mm.

A09–0115; C7326–7; M1.4f; Phase IVc; Rig VI
Not illustrated

250 Yarn Silk

Two groups of lengths of fine, firm 2S ply silk yarn in at least two shades of mid-brown; in group (a) the threads are knotted together; the yarn is kinked as if it was originally woven; probably the remains of a tablet-woven band, the weft of which has disintegrated. Length a) 195mm; b) 300mm.

A09–0116; C7326–7; M1.4f; Phase IVc; Rig VI
Not illustrated

251 2/1 Twill without nap ZS Wool

One piece of very dark brown, medium weight, unfelted 2/1 twill, close woven and firm to the touch. Dimensions: 69mm by 75mm. System 1: warp, smooth Z spun yarn, 9–10 threads per 10mm. System 2: weft, similar S spun yarn, 9–10 threads per 10mm.

A09–0117a; C7326–7; M1.4f; Phase IVc; Rig VI
Not illustrated

252 2/2 Twill without nap ZS Wool

One piece of uneven mid-brown, light medium weight 2/2 twill, unfelted and slightly loose woven; 102mm by 119mm. System 1: warp, fine Z spun yarn, 16 threads per 10mm. System 2: weft, similar S spun yarn, 10 threads per 10mm.

A09–0117b; C7326–7; M1.4f; Phase IVc; Rig VI
Not illustrated

253 2/1 Twill without nap ZZ Wool

Two fragments of dark brown, light weight, unfelted, hard 2/1 twill, evenly spun and woven. Dimensions: a) 45mm by 24mm; b) 48mm by 50mm. System 1: warp, smooth, firm Z spun yarn, 20 threads per 10 mm. System 2: weft, similar yarn, 16–18 threads per 10mm.

A09–0126; C7326–7; M1.4f; Phase IVc; Rig VI
Not illustrated

254 2/1 Twill without nap ZZ Wool

One piece of dark brown, light weight, unfelted firm 2/1 twill, with about 15mm of closed edge – of simple structure – on one margin. Dimensions: 78mm by 32mm. System 1: warp, smooth even Z spun yarn, 16–18 threads per 10mm. System 2: weft, similar yarn, 12 threads per 10mm.

A09–0119a; C7335–7; M1.4f; Phase IVc; Rig VI
Not illustrated

255 2/1 Twill without nap ZS Wool

Three fragments of mottled mid/dark brown, light medium weight, unfelted 2/1 twill of uneven appearance. Dimensions: a) 90mm by 50mm; b) 37mm by 42mm; c) 42mm by 50mm. System 1: warp, Z spun yarn, 12 threads per 10mm. System 2: weft, S spun yarn, about 10 threads per 10mm.

A09–0119b; C7335–7; M1.4f; Phase IVc; Rig VI
Not illustrated

256 Yarn ? Wool

One piece (and three fragments) of very dark brown, coarse, hairy, loosely 2S ply yarn, about 6mm in diameter. Length 330mm.

A09–0125; C7335–7; M1.4f; Phase IVc; Rig VI
Not illustrated

257 2/1 Twill with nap ZS Wool

One strip of bright mid-brown, medium weight 2/1 twill, lightly felted and soft to the touch. The nap is pronounced on one surface and slight on the other. A closed edge remains on one long margin, but although the warp threads are more closely packed towards the edge, there appear to be no special arrangements. Dimensions: 340mm by 24mm. System 1: warp, fine smooth Z spun yarn, 14 threads per 10mm. System 2: weft, softer and thicker S spun yarn, 9–10 threads per 10mm.

A09–0131; C7384–7; B18 (Phase 2a and 2b), T7385; Phase IVb; Rig VII
Not illustrated

258 2/1 Twill with nap ZS Wool

Two pieces of bright mid-brown, medium weight, heavily felted 2/1 twill; the nap is pronounced on one side and slight on the other. Dimensions: a) 100mm by 40mm; b) 215mm by 32mm. System 1: warp, firm Z spun yarn, 12 threads per 10mm. System 2: weft, similar S spun yarn, 10–12 threads per 10mm.

A09–0103; C7306–7; B18 (Phase 2a), North Room and Hall–Construction (1); Phase IVb; Rig VII
Not illustrated

259 2/1 Twill without nap, Others Wool

One piece of dark brown, light weight, unfelted, closely woven 2/1 twill, constructed from very smooth, even, firmly spun yarns. Dimensions: 170mm by 105mm. System 1: warp, Z spun yarn, 15–18 threads per 10mm. System 2: weft, similar S spun yarn, 15–16 threads per 10mm for a width of 120mm, then similar Z spun yarn, 17–18 threads per 10mm for the remaining 50mm. A09–0104; C7306–7; B18 (Phase 2a), North Room and Hall–Construction (1); Phase IVb; Rig VII
Not illustrated

260 2/1 Twill with nap ZS Wool

One piece (and a number of fragments) of mid-reddish brown, light weight 2/1 twill, with the remains of a light nap on both surfaces. Dimensions: 85mm by 75mm. System 1: warp, fine Z spun yarn, about 10 threads per 10mm. System 2: weft, slightly softer thicker S spun yarn, about 10 threads per 10mm. A09–0030; C9165–9; B18 (Phase 2a), North Room and Hall–Construction (1); Phase IVb; Rig VII
Not illustrated

261 Cordage Wool

Two fragments of cordage, each about 4mm in diameter, knotted together, consisting of fine, smooth Z ply yarns twisted together in the S direction; there are 18 elements in one piece and 25 in the other. Length 130mm. A09–0061; C9165–9; B18 (Phase 2a), North Room and Hall–Construction (1); Phase IVb; Rig VII
Not illustrated

262 Felt (?) Wool

Fragments, very worn, of a dense, heavy medium weight sandy brown fabric, possibly genuine felt rather than the remains of a felted woven fabric. Dimensions: c45 by 20mm in all. A09–0063; C9165–9; B18 (Phase 2a), North Room and Hall–Construction (1); Phase IVb; Rig VII
Not illustrated

263 2/1 Twill with nap ZS Wool

Two fragments of sandy brown, light weight, lightly felted 2/1 twill, with a slight nap on one surface. Dimensions: a) 55mm by 80mm; b) 34mm by 20mm. System 1: warp, fine Z spun yarn, 13 threads per 10mm. System 2: weft, thicker and softer S spun yarn, 11 threads per 10mm. A09–0102; C7304–7; B18 (Phase 2a), North Room and Hall–Construction (2); Phase IVb; Rig VII
Not illustrated

264 2/1 Twill without nap ZZ Wool

Three pieces of dark brown, light weight, unfelted 2/1 twill, with both spinning and weaving even; piece (c) has a ridge running parallel to and about 7mm away from one margin, which probably represents a seam line, but no sewing thread survives. Dimensions: a) 220mm by 160mm; b) 55mm by 60mm; c) 65mm by 45mm. System 1: warp, fine hard Z spun yarn, 18 threads per 10mm. System 2: weft, similar Z spun yarn, 5 threads per 10mm. A09–0105; C7311–7; B18 (Phase 2a), External 1, Pit 7314; Phase IVb; Rig VII
Illus 34

265 Yarn Wool

Small clew or knot of bright pink, single ply, fine smooth Z spun yarn. The yarn is less than 1mm in diameter. Dimensions: 32mm by 9mm. A09–0112; C7323–7; B18 (Phase 2a), External 1, Pit 7314; Phase IVb; Rig VII
Not illustrated

266 Yarn Wool

Fragment of mid-reddish brown, fine smooth 2S ply yarn, about 1mm in diameter. Length 70mm. A09–0118; C7323–7; B18 (Phase 2a), External 1, Pit 7314; Phase IVb; Rig VII
Not illustrated

267 Tabby Silk

One piece of fine, dull crimson red tabby, with fragments of a light brown 2S silk thread, very loosely plied, sewn through the fabric towards one edge. The textile is trapezoidal in shape, and has four cut edges. The yarn of System 2 is slightly coarser and more variable in diameter than the Z twisted yarn of System 1. In one area of coarser yarn, there are two threads in the same shed. A series of fine crease marks are visible on the textile, the trend of the creases is in the direction of system 1. Dimensions: 118mm by 64mm. System 1: warp, fine, slightly Z twisted yarn, about 42mm threads per 10mm. System 2: weft, untwisted yarn, 38 threads per 10mm. A09–0127; C7323–7; B18 (Phase 2a), External 1, Pit 7314; Phase IVb; Rig VII
Not illustrated

268 Yarn Wool

Fragment of very coarse, hairy, Z spun, loose 2S ply mid-brown yarn about 10mm in diameter. Length 166mm. A09–0128; C7343–7; B18 (Phase 2a), External 1, Pit 7314; Phase IVb; Rig VII
Not illustrated

269 2/2 Twill without nap ZZ Wool

One fragment of mid-brown, light weight, unfelted 2/2 twill, evenly spun and woven. Dimensions: 33mm by 37mm. System 1: warp, fine, hard Z spun yarn, 17 threads per 10mm. System 2: weft, similar yarn, 13 threads per 10mm. A09–0099a; C7298–7; B18 (Phase 2b), North Room, Hall and Hall South–Occupation (10); Phase IVb; Rig VII
Not illustrated

270 Tabby (2 ply yarn) Wool

One fragment of very dark brown, heavy tabby, comparatively close woven. Dimensions: 80mm by 60mm. System 1: warp, firm 2 ply yarn, Z spun and S plied, 3.5 threads per 10mm. System 2: weft, similar yarn, 2.5–3 threads per 10mm. A09–0099b; C7298–7; B18 (Phase 2b), North Room, Hall and Hall South–Occupation (10); Phase IVb; Rig VII
Not illustrated

271 Tablet weaving Silk

Two fragments. The larger fragment (a) very worn, composed of three incomplete, patterned, tablet-woven bands and two lengths of tabby ribbon, joined width-wise to form a flat fabric, each length of ribbon separating two lengths of tablet weaving. The bands and the ribbon are silk throughout. Also detached fragment (b) of tablet-woven band. The bands, which are 16mm wide (except for one which has lost one selvedge but was presumably originally uniform with the others) appear to have been cut from one length. The weft, now golden brown but possibly originally white, is slightly Z twisted and entirely covered by the warp threads; there are about 20 weft picks threads per 10mm. There are 176 (?) warp threads, all 2S ply yarn, worked on 44(?) four-hole tablets in double-faced diagonal weave. The overall appearance of the warp is light brown, but some have a distinct greenish-yellow tinge (occupying a third of the width at one side of the tablet-woven bands) while others appear to have been white (or possibly pink). The bands are woven with a geometric design, light on dark on one side and reversed on the other, but the faded state of the yarns makes it uncertain whether one repeating motif has been used throughout the length of the bands. The ribbon, now also yellowish brown, is slightly under 5mm wide, with 22 warp ends of loosely S twisted yarn, and a loosely Z twisted weft; there are about 30 picks of weft threads per 10mm. The bands and the ribbons are joined by oversewing the edges with fine, slightly S twisted, yellowish brown yarn. There are also traces of a bright pink 2S ply yarn which seems to have been used for repair; at one point, where the ribbon has apparently worn away, the edges of the two adjacent tablet-woven bands have been drawn together and secured with the pink thread. Dimensions: a) 110mm by 55mm; b) 15mm by 60mm. A09–0097; C7299–7; B18 (Phase 2b), North Room, Hall and Hall South–Occupation (10); Phase IVb; Rig VII Illus 53

272 Tabby (2 ply yarn) Wool

One piece of mottled mid-brown, heavy tabby, comparatively close textured. Dimensions: 162mm by 125mm. System 1: warp, firm 2 ply yarn, Z spun and S plied, 3.5 threads per 10mm. System 2: weft, similar yarn, 3.5–5 threads per 10mm. Dye: trace of madder (MW). A09–0147; C7299–7; B18 (Phase 2b), North Room, Hall and Hall South–Occupation (10); Phase IVb; Rig VII Illus 16

273 2/1 Twill with nap ZZ Wool

One piece (and three fragments), very worn, of mid-brown, medium weight, heavily felted 2/1 twill, with the nap raised on both surfaces. Dimensions: 73mm by 45mm. System 1: warp, Z spun yarn, 8–9 threads per 10mm. System 2: weft, slightly heavier Z spun yarn, 7 threads per 10mm. A09–0024; C9132–9; B18 (Phase 2b), North Room, Hall and Hall South–Occupation (10); Phase IVb; Rig VII Not illustrated

274 Tabby (2 ply yarn) Wool

One piece of very dark brown, very heavy tabby, coarse to the touch and comparatively compact, with 95mm of closed edge of simple structure, remaining on one margin. Dimensions: 240mm by 130mm. System 1: warp, firm 2 ply yarn, Z spun and S plied, 3–3.5 threads per 10mm. System 2: weft, similar yarn, 2 threads per 10mm. A09–0032a; C9132–9; B18 (Phase 2b), North Room, Hall and Hall South–Occupation (10); Phase IVb; Rig VII Not illustrated

275 2/1 Twill without nap ZS Wool

One fragment of very dark brown, light weight 2/1 twill, compact and smooth to the touch. Dimensions: 40mm by 35mm. System 1: warp, fine, even Z spun yarn, 12 threads per 10mm. System 2: weft, thicker S spun yarn, 10 threads per 10mm. A09–0032b; C9132–9; B18 (Phase 2b), North Room, Hall and Hall South–Occupation (10); Phase IVb; Rig VII Not illustrated

276 2/1 Twill without nap ZZ Wool

Two pieces of dark brown, light weight, unfelted 2/1 twill, evenly spun and woven; both pieces have signs of a seam line on one margin, but without traces of sewing thread. Dimensions: a) 143mm by 100mm; b) 110mm by 65mm. System 1: warp, fine hard Z spun yarn, 14 threads per 10mm. System 2: weft, the same. A09–0045; C9132–9; B18 (Phase 2b), North Room, Hall and Hall South–Occupation (10); Phase IVb; Rig VII Not illustrated

277 2/1 Twill with nap ZS Wool

One fragment of distinct red-brown, light medium weight 2/1 twill, heavily felted and with the nap raised on both surfaces to give a smooth, even finish. Dimensions: 45mm by 27mm. System 1: warp, fine even Z spun yarn, 10 threads per 10mm. System 2: weft, similar S spun yarn, 8 threads per 10mm. A09–0049a; C9132–9; B18 (Phase 2b), North Room, Hall and Hall South–Occupation (10); Phase IVb; Rig VII Not illustrated

278 2/1 Twill without nap ZS Wool

One small piece (and a number of fragments) of light brown, light weight 2/1 twill, unfelted but slightly soft to the touch. Largest piece measures 30mm by 53mm. System 1: warp, fine Z spun yarn, slightly variable in thickness, about 13–14 threads per 10mm. System 2: weft, S spun yarn, 13–14 threads per 10mm. A09–0049b; C9132–9; B18 (Phase 2b), North Room, Hall and Hall South–Occupation (10); Phase IVb; Rig VII Not illustrated

279 2/1 Twill without nap ZZ Wool

Three fragments of dark brown, light weight, unfelted 2/1 twill, comparatively even in both spinning and weaving. Dimensions: a) 40mm by 50mm; b) 45mm by 45mm; c) 25mm by 15mm. System 1: warp, smooth firm Z spun yarn, 12 threads per 10mm. System 2: weft, the same. Dye: Q, unknown (MW). A09–0056a; C9132–9; B18 (Phase 2b), North Room, Hall and Hall South–Occupation (10); Phase IVb; Rig VII Not illustrated

280 2/1 Twill without (?)nap ZS Wool

Eight fragments, very worn, of light brown, light weight 2/1 twill, lightly felted, close woven and soft to the touch. The weave is indistinct in places but this appears to be the result of wear rather than deliberate raising of the nap. Dimensions: a) 21mm by 17mm; b) 15mm by 20mm; c) 21mm by 25mm; d) 26mm by 21mm; e) 39mm by 14mm; f) 16mm by 27mm; g) 22mm by 18mm; h) 11mm by 25mm. System 1: warp, Z spun yarn, 12 threads per 10mm. System 2: weft, thicker S spun

yarn, tightly twisted, about 12 threads per 10mm.

A09–0056b; C9132–9; B18 (Phase 2b), North Room, Hall and Hall South–Occupation (10); Phase IVb; Rig VII
Not illustrated

281 2/1 Twill with nap ZS Wool

One fragment, very worn, (and two smaller scraps) of dark red-brown, light weight 2/1 twill, with a slight nap on one surface. Dimensions: 30mm by 32mm. System 1: warp, fine, soft Z spun yarn, 14 threads per 10mm. System 2: weft, similar S spun yarn, 12 threads per 10mm. A09–0071; C9132–9; B18 (Phase 2b), North Room, Hall and Hall South–Occupation (10); Phase IVb; Rig VII
Not illustrated

282 2/1 Twill without nap ZS Wool

One fragment of reddish mid-brown, light medium weight 2/1 twill, soft and lightly felted. The yarns are brittle and in poor condition. There are the remains of a closed edge with two pairs of heavy, Z spun, dark brown threads, each pair acting as one element, in the outermost two places. This may be a starting edge (cf Hoffmann 1964, Figs 70–76). Dimensions: 25mm by 70mm. System 1: warp, fine Z spun yarn, 8–9 threads per 10mm. System 2 (parallel to closed edge), slightly softer and thicker S spun yarn, about 10 threads per 10mm.

A09–0077a; C9132–9; B18 (Phase 2b), North Room, Hall and Hall South–Occupation (10); Phase IVb; Rig VII
Illus 35

283 2/1 Twill with nap ZS Wool

Seven fragments, in very poor condition, of mid-brown, medium weight 2/1 twill, closely woven and soft to the touch, with traces of a slight nap. On three of the pieces, the thick S spun yarn on one of the margins is replaced by fine S spun yarn similar in weight to that in System 1; the threads are closely packed (about 12 in 5mm). These may represent a weft stripe, but the fragments are too damaged for certainty. Dimensions: c150mm by 70mm in all. System 1: warp, fine, even Z spun yarn, 10 threads per 10mm. System 2: weft, considerably heavier S spun yarn, variable in thickness and tension, 7–9 threads per 10mm.

A09–0077b; C9132–9; B18 (Phase 2b), North Room, Hall and Hall South–Occupation (10); Phase IVb; Rig VII
Illus 42

284 2/1 Twill without nap ZZ Wool

Two pieces (and a fragment) of dark brown, light weight, closely woven, unfelted 2/1 will, firm to the touch.

Dimensions: a) 145mm by 115mm; b) 43mm by 35mm. System 1: warp, firm Z spun yarn, about 18 threads per 10mm. System 2: weft, similar yarn, 14–15 threads per 10mm.

A09–0027; C9179–9; B18 (Phase 2b), North Room, Hall and Hall South–Occupation (10); Phase IVb; Rig VII
Not illustrated

285 Yarn Wool

Fragment of very heavy dark brown 2S ply yarn about 5mm in diameter. Length 115mm.

A09–0095; C7289–7; B18 (Phase 2b), Hall and Hall South–Occupation (12a); Phase IVb; Rig VII
Not illustrated

286 2/1 Twill without nap ZZ Wool

One fragment of dark brown, light weight, unfelted 2/1 twill, closely woven and firm to the touch. Dimensions: 85mm by 9mm. System 1: warp, fine Z spun yarn, 15 threads per 10mm (estimated) System 2: similar yarn 12 threads per 10mm.

A09–0022; C9095–9; B18 (Phase 2b), Hall and Hall South–Occupation (12a); Phase IVb; Rig VII
Not illustrated

287 2/1 Twill without nap ZZ Wool

One piece of dark brown, light weight, unfelted 2/1 twill, evenly spun and woven. Dimensions: 203mm by 170mm. System 1: warp, smooth, firm Z spun yarn, 13 threads per 10mm. System 2: weft, the same.

A09–0039; C9095–9; B18 (Phase 2b), Hall and Hall South–Occupation (12a); Phase IVb; Rig VII
Not illustrated

288 2/1 Twill without nap ZZ Wool

One piece, worn, of dark brown, light weight, unfelted 2/1 twill, comparatively even in spinning and weaving. Dimensions: 65mm by 70mm. System 1: warp, Z spun yarn, 14 threads per 10mm. System 2: weft, similar yarn, 16 threads per 10mm.

A09–0092a; C7235–7; B18 (Phase 2b), North Room and Hall–Floor (2); Phase IVb; Rig VII
Not illustrated

289 2/1 Twill without nap ZS Wool

Two pieces of light medium weight, mid-brown 2/1 twill, firm to the touch and unfelted, apart from one margin on each piece which may have been seamed. The thickness of the yarn in both systems is variable. Dimensions: a) 185mm by 205mm; b) 120mm by 75mm. System 1: warp, Z spun yarn, 10–12 threads per 10mm. System 2: weft, slightly heavier S spun yarn, about

11 threads per 10mm.

A09–0092b; C7235–7; B18 (Phase 2b), North Room and Hall–Floor (2); Phase IVb; Rig VII
Not illustrated

290 2/1 Twill with nap ZS Wool

One piece of distinct red-brown, medium weight 2/1 twill, with the nap raised on both surfaces; both the nap and the red tint are more pronounced on the surface in which the S spun yarns predominate. Both spinning and weaving are uneven. Dimensions: 215mm by 242mm. System 1: warp, Z spun yarn, about 12 threads per 10mm. System 2: weft, thicker and softer S spun yarn, about 10 threads per 10mm.

A09–0093; C7235–7; B18 (Phase 2b), North Room and Hall–Floor (2); Phase IVb; Rig VII
Illus 41

291 2/1 Twill without nap ZS Wool

Three pieces (and some fragments) of dark brown, light weight, unfelted 2/1 twill. Dimensions: a) 127mm by 80mm; b) 140mm by 60mm; c) 98mm by 75mm. System 1: warp, smooth, fine Z spun yarn, 11 threads per 10mm. System 2: weft, similar but less regular S spun yarn, 10 threads per 10mm.

A09–0038; C9103–9; B18 (Phase 2b), Hall South–Occupation (13a); Phase IVb; Rig VII
Not illustrated

292 Tabby (2 ply yarn) Wool

One piece (and two fragments) of dark brown, heavy tabby, coarse to the touch and slightly open textured. Dimensions: 205mm by 180mm. System 1: warp, very firm 2 ply yarn, Z spun and S plied, 3–4 threads per 10mm. System 2: weft, similar yarn, 3 threads per 10mm.

A09–0029; C9156–9; B18 (Phase 2b), Hall South–Occupation (13b); Phase IVb; Rig VII
Not illustrated

293 2/1 Twill without nap ZS Wool

One piece of dark reddish brown, light weight, unfelted 2/1 twill. Dimensions: 45mm by 50mm. System 1: warp, Z spun yarn, 10 threads per 10mm. System 2: weft, similar S spun yarn, 14 threads per 10mm.

A9127; C2530–3; MC155, Pit 2691; Phase IVb,IVc; Rig V
Not illustrated

294 2/1 Twill without nap ZS Wool

Two pieces (and five fragments) of dark brown, light weight 2/1 twill, unfelted, close woven and firm to the touch. Both spinning and weaving are comparatively even. Dimensions: a) 190mm by 100mm; b) 65mm by 95mm. System 1: warp, smooth firm Z spun yarn, 20 threads per 10mm. System 2: weft, similar S spun yarn, 17–18 threads per 10mm.

A6128; C2476–3; M1.4d; Phase IVb,IVc; Rig VI
Not illustrated

295 Felt Wool

Two pieces of dark brown heavy felt, uneven in colour and texture. Dimensions: a) 105mm by 65mm; b) 100mm by 50mm. A6696; C2476–3; M1.4d; Phase IVb,IVc; Rig VI
Not illustrated

296 Yarn Wool

Very dark brown, coarse, hairy 2S ply yarn, 3–4mm in diameter. Length 170mm.

A8099; C2476–3; M1.4d; Phase IVb,IVc; Rig VI
Not illustrated

297 2/1 Twill with nap ZS Wool

One piece of distinct red-brown, medium weight 2/1 twill, felted and with a pronounced nap (now partially worn) on both sides. Dimensions: 110mm by 30mm. System 1: warp, fine Z spun yarn, about 12 threads per 10mm. System 2: weft, thicker, softer S spun yarn, about 7 threads per 10mm. Wool type: warp M, pigment +; weft S, no pigment; both with traces of red dye (MR). Dye: madder (MW).

A8101; C2476–3; M1.4d; Phase IVb,IVc; Rig VI
Illus 40

298 2/1 Twill (?) with nap ZS Wool

One fragment of bright, even mid-brown, light weight but heavily felted fabric, with the nap raised on both sides: the finish is exceptionally smooth and even and suggests a high quality product; the structure is largely obscured but is probably 2/1 twill. Dimensions: 35mm by 20mm. System 1: warp, fine even Z spun yarn, no count possible. System 2: weft, similar S spun yarn.

A8515; C2476–3; M1.4d; Phase IVb,IVc; Rig VI
Not illustrated

299 Tabby (2 ply yarn) Wool

Two pieces of dark brown, heavy tabby, coarse to the touch; the threads are irregularly packed giving a close texture in some parts and an open texture in others. Dimensions: a) 45mm by 120mm; b) 60mm by 120mm. System 1: warp, firm 2 ply yarn, S spun and Z plied, 3–5 threads per 10mm. System 2: weft, similar yarn, 2–3 threads per 10mm. Wool type: warp HM, pigment +, no dye; weft H, pigment +, no dye (MR).

A9904; C2476–3; M1.4d; Phase IVb,IVc; Rig VI
Not illustrated

300 Yarn Wool?

Dark brown, coarse fibre, Z spun yarn with a diameter which varies from 2mm to 8mm. Length 810mm.

A8084; C2577–3; M1.4d, Pit 2566; Phase IVb,IVc; Rig VI
Not illustrated

301 2/1 Twill with nap ZS Wool

One piece of reddish mid-brown, light medium weight 2/1 twill, lightly felted and with a slight nap, now worn, on both surfaces; neither spinning nor weaving is particularly even. Dimensions: 200mm by 35mm. System 1: warp, fine Z spun yarn, 14–15 threads per 10mm. System 2: weft, thicker S spun yarn, about 10 threads per 10mm. Dye: both indigotin and madder present (MW).

A8097a; C2577–3; M1.4d, Pit 2566; Phase IVb,IVc; Rig VI
Not illustrated

302 2/1 Twill with nap ZS Wool

Four fragments of sandy brown, light medium weight 2/1 twill, lightly felted and with a slight nap on both surfaces. Dimensions: a) 50mm by 20mm; b) 60mm by 12mm; c) 30 by 10mm; d) 50mm by 5mm. System 1: warp, fine Z spun yarn, 12 threads per 10mm. System 2: weft, thicker S spun yarn, 8 threads per 10mm. Wool type: warp M, no pigment; weft FGM, no pigment; indications of a pale yellow dye in both systems (MR).

A8097b; C2577–3; M1.4d, Pit 2566; Phase IVb,IVc; Rig VI

Not illustrated

303 2/1 Twill (?) with nap ZS Wool

One piece of dark brown, medium weight, very heavily felted and compact fabric; the weave is obscured, but may be 2/1 twill. Dimensions: 43mm by 60mm. System 1: warp, fine Z spun yarn, no count possible. System 2: weft, S spun (?), no count possible.

A12372a; C2577–3; M1.4d, Pit 2566; Phase IVb,IVc; Rig VI

Not illustrated

304 2/1 Twill without nap ZS Wool

Two fragments of light weight, mid-brown 2/1 twill, lightly felted, close woven and soft to the touch. Dimensions: a) 15mm by 20mm; b) 15mm by 25mm. System 1: warp, fine Z spun yarn, 15 threads per 10mm. System 2: weft, similar S spun yarn, 12 threads per 10mm.

A12372b; C2577–3; M1.4d, Pit 2566; Phase IVb,IVc; Rig VI

Not illustrated

305 2/1 Twill without nap ZS Wool

One piece of very dark brown, light medium weight 2/1 twill, unfelted but comparatively soft to the touch; 80mm by 70mm. System 1: warp, smooth but uneven Z spun yarn, 10–12 threads per 10mm. System 2: weft, more even S spun yarn, 12 threads per 10mm.

A03–0253; L1344B; C7258–7; M1.4h; Phase IVc; Rig VI

Not illustrated

306 Tabby (2 ply yarn) Wool

One piece (and four fragments) of mottled dark brown, very heavy tabby, coarse to the touch and comparatively even in both spinning and weaving. Dimensions: 260mm by 180mm. System 1: warp, very firm 2 ply yarn, Z spun and S plied, 3 threads per 10mm. System 2: weft, the same. See yarn Cat No 312/A6653d.

A6144; C2462A–3; M1.4c; Phase IIIa–IVcc; Rigs V and VI

Not illustrated

307 Braid Silk

Length of flattened whipcording, 3mm wide, constructed from bright mid-brown, soft 2S ply yarn; there are thirty two elements. Length 196mm.

A6637; C2462A–3; M1.4c; Phase IIIa–IVcc; Rigs V and VI

Illus 69

308 Yarn Wool

Very coarse, hairy, very dark brown 2S ply yarn, about 5mm in diameter. Length 115mm.

A6642; C2462A–3; M1.4c; Phase IIIa–IVcc; Rigs V and VI

Not illustrated

309 2/1 Twill without nap ZS Wool

One piece of uneven dark brown, light weight, unfelted 2/1 twill, evenly spun and woven. Dimensions: c40mm by 160mm. System 1: warp, Z spun yarn, 14 threads per 10mm. System 2: weft, S spun yarn, 13 threads per 10mm.

A6653a; C2462A–3; M1.4c; Phase IIIa–IVcc; Rigs V and VI

Not illustrated

310 2/1 Twill without nap ZS Wool

One fragment of mid-brown, light weight, unfelted 2/1 twill, evenly spun and woven. Dimensions: 37mm by 16mm. System 1: warp, fine Z spun yarn, 19 threads per 10mm. System 2: weft, similar S spun yarn, 15 threads per 10mm.

A6653b; C2462A–3; M1.4c; Phase IIIa–IVcc; Rigs V and VI

Not illustrated

311 2/1 Twill without nap ZS Wool

One fragment of very dark brown, light weight, unfelted 2/1 twill, the yarns slightly variable in thickness. Dimensions: 32mm by 27mm. System 1: warp, firm Z spun yarn, 18 threads per 10mm. System 2: weft, similar S spun yarn, 13–14 threads per 10mm.

A6653c; C2462A–3; M1.4c; Phase IIIa–IVcc; Rigs V and VI

Not illustrated

312 Yarn Wool

Dark brown, firm, thick 2S ply yarn, possibly from Cat No 306/A6144 above; from 2–3mm diameter. Length 130mm.

A6653d; C2462A–3; M1.4c; Phase IIIa–IVcc; Rigs V and VI

Not illustrated

313 Tabby (2 ply yarn) Wool

Five pieces, very brittle and worn, of very dark brown, very heavy tabby; the threads are widely and unevenly spaced and the tension and thickness of the yarn are variable. One piece has 40mm of closed edge, of simple structure, on one margin.

Diameter: a) 200mm by 140mm; b) 225mm by 120mm; c) 165mm by 85mm; d) 125mm by 135mm; e) 55mm by 30mm. System 1: warp, 2ply yarn, S spun and Z plied, 1.5–3 threads per 10mm.

System 2: weft, the same.

A6701; C2462A–3; M1.4c; Phase IIIa–IVcc; Rigs V and VI

Not illustrated

314 2/1 Twill without nap ZZ Wool

Two pieces of dark brown, light weight, unfelted 2/1 twill, firm to the touch. Dimensions: a) 85mm by 75mm; b) 43mm by 55mm. System 1: warp, fine Z spun yarn, 16 threads per 10mm. System 2: weft, less even Z spun yarn, 13–15 threads per 10mm.

A6708; C2462A–3; M1.4c; Phase IIIa–IVcc; Rigs V and VI

Not illustrated

315 2/1 Twill with nap ZS Wool

Two fragments of sandy brown, light weight, lightly felted 2/1 twill, with the remains of a light nap on both surfaces. Dimensions:

a) 45mm by 50mm; b) 60mm by 25mm. System 1: warp, Z spun yarn, 10 threads per 10mm. System 2: weft, similar S spun yarn, about 11 threads per 10mm.

A7352a; C2462A–3; M1.4c; Phase IIIa–IVcc; Rigs V and VI

Not illustrated

316 2/1 Twill with nap ZS Wool

One fragment of reddish mid-brown, light weight 2/1 twill, slightly felted and with the remains of a light nap on both surfaces. Dimensions: 47mm by 47mm. System 1: warp, smooth Z spun yarn, about 12 threads per 10mm. System 2: weft, slightly heavier, and less even, S spun yarn, 11–13 threads per 10 mm.

A7352b; C2462A–3; M1.4c; Phase IIIa–IVcc; Rigs V and VI

Not illustrated

317 Yarn Wool

Unconserved bundle of yarns in poor condition, measuring approximately 90mm by 35mm. The yarn is dark brown, with coarse fibres; S spun and 2Z plied with a loose ply angle, 2–3mm in diameter.

A8914; C2462A–3; M1.4c; Phase IIIa–IVcc; Rigs V and VI

Not illustrated

318 2/1 Twill with nap ZS Wool

Two pieces, very worn, of bright sandy brown, light weight 2/1 twill, soft to the touch; there is a light nap on one surface, although this is possibly the result of wear. Dimensions: a) 75mm by 60mm; b) 75mm by 55mm.

System 1: warp, Z spun yarn, 9–10 threads per 10mm.

System 2: weft, softer S spun yarn, 8 threads per 10mm.

A7424; C2537–3; M1.4c; Phase IIIa–IVcc; Rigs V and VI

Not illustrated

319 2/1 Twill without nap ZS Wool

Four small pieces (and a number of fragments) of dark brown, light weight 2/1 twill, unfelted but close woven and comparatively soft to the touch. Dimensions: a) 60mm by 80mm; b) 90mm by 75mm; c) 85mm by 60mm; d) 100mm by 60mm. System 1: warp, Z spun yarn, 12 threads per 10mm. System 2: weft, softer S spun yarn, about 10 threads per 10mm.

A09–0010; C9021–9; P8.3; Phase IVc,IVcc; Rig VII

Not illustrated

320 2/1 Twill without nap ZS Wool

One fragment of bright mid-brown, medium weight 2/1 twill. Dimensions: 20mm by 70mm. System 1: warp, smooth Z spun yarn, 10 threads per 10mm. System 2: weft, thicker and softer S spun yarn, 8–10 threads per 10mm.

A09–0085; C7218–7; M9a; Phase IVc,IVcc; Rig VII

Not illustrated

321 2/1 Twill without nap ZZ Wool

One piece of dark brown, light medium weight 2/1 twill, unfelted but closely woven and compact; both spinning and weaving are even. Dimensions: 635mm by 308mm.

System 1: warp, smooth Z spun yarn, 12 threads per

10mm. System 2: weft, similar yarn, 10 threads per 10mm.

A09–0051; C7226–7; M9a; Phase IVc,IVcc; Rig VII

Not illustrated

322 2/1 Twill without nap ZZ Wool

One small piece (and five fragments) of mid-brown, light weight, unfelted hard 2/1 twill, even in spinning and weaving. Dimensions: 55mm by 60mm. System 1: warp, fine Z spun yarn, 16 threads per 10mm. System 2: weft, similar yarn, 14 threads per 10mm.

A09–0076; C7231–7; M9a; Phase IVc,IVcc; Rig VII

Not illustrated

323 Tabby Silk

One fragment of fine, closely woven bright brown tabby. It should be noted that the long dimension does not follow system 1, since the piece is cut on the bias. All edges are cut, and the fragment has the shape of an attenuated triangle with a notch protruding from one of the long edges. Dimensions: 115mm by 25mm. System 1: warp, fine, slightly Z twisted yarn, 41–45 threads per 10mm. System 2: weft contains two yarns, an untwisted yarn, of which there are 48–50 threads per 10mm, and a coarser yarn with a slight Z twist, of which there are 19 threads per 5mm. This coarser yarn is visible in bands at upper and lower angles of the fragment, but these surviving bands are at most 8mm deep.

A09–0059; C7238–7; M9a; Phase IVc,IVcc; Rig VII

Not illustrated

324 2/2 Twill without nap ZS Wool

Four pieces of medium weight, dark brown, unfelted but close woven 2/2 twill, firm to the touch. Dimensions: a) 80mm by 75mm; b) 60mm by 42mm; c) 35mm by 30mm; d) 25mm by 20mm. System 1: warp, smooth Z spun yarn, 8 threads per 10mm. System 2: weft, similar S spun yarn, 8 threads per 10mm.

A09–0014; C9013–9; M9a; Phase IVc,IVcc; Rig VII

Illus 30

325 2/1 Twill without nap ZZ Wool

One piece of dark brown, light weight, evenly spun and woven, unfelted 2/1 twill. Dimensions: 60mm by 65mm. System 1: warp, smooth Z spun yarn, 15 threads per 10mm. System 2: weft, similar yarn, 14–16 per 10mm.

A09–0080; C6108–10; M9b(b); Phase IVc,IVcc; Rig VIII

Not illustrated

326 2/1 Twill with nap ZS Wool

One fragment of reddish mid-brown, medium weight felted 2/1 twill with traces of nap on both surfaces. Dimensions: 77mm by 60mm. System 1: warp, Z spun yarn, about 14 threads per 10mm. System 2: weft, similar S spun yarn, 10 threads per 10mm.

A7616; C2543–3; M1.4e; Phase IVcc(Va); Rig VI

Not illustrated

327 Yarn Wool

Unconserved loose bundle of yarn, rich dark brown in colour, but with coarse fibres, S spun and 2Z plied. The diameter is 3mm.

A8867; C2782–2; M1.4e; Phase IVcc(Va); Rig VI

Not illustrated

328 2/1 Twill without nap ZS Wool

One piece of dark brown, light weight, unfelted 2/1 twill. Dimensions: 110mm by 120mm. System 1: warp, smooth Z spun yarn, 10 threads per 10mm. System 2: weft, slightly heavier S spun yarn, 8 threads per 10mm. A6631; C2452–3; M1.4e, Pit 2446; Phase IVcc(Va); Rig VI Not illustrated

329 2/1 Twill with nap ZS Wool

One piece of black, heavy medium weight 2/1 twill, felted and compact, with a distinct nap on both surfaces. Probably the same fabric as Cat No 347/A8859. Dimensions: 280mm by 50mm. System 1: warp, Z spun yarn, about 10 threads per 10mm. System 2: weft, softer S spun yarn, 6 threads per 10mm. A6644; C2427–3; P6; Phase IVcc,Va; Rig VI Not illustrated

330 Yarn Silk ?

Nine lengths (up to 217mm long) of very fine, very dark brown 2S ply yarn; possibly sewing thread. Each yarn is less than 0.5mm diameter, and the total width of the group is 3mm. cf the dark brown yarn used to stitch silk tabby Cat No 346/A09–0044. A7841; C2544–3; P6; Phase IVcc,Va; Rig VI Not illustrated

331 2/1 Twill without nap ZS Wool

One piece of mid to dark brown, light medium weight 2/1 twill, unfelted but compact and slightly soft to the touch. Dimensions: 80mm by 50mm. System 1: warp, smooth Z spun yarn, of irregular thickness, 10 threads per 10mm. System 2: weft, similar S spun yarn, 7–8 threads per 10mm. A6152; C2759–2; B34, MF2759; Phase Va; Rig VI Not illustrated

332 2/1 Twill without nap ZS Wool

Two pieces of light weight, dark brown unfelted 2/1 twill, close woven and slightly soft to the touch; probably the same fabric as Cat No 333/A6652a. Dimensions: a) 75mm by 88mm; b) 65mm by 35mm. System 1: warp, fine smooth Z spun yarn, 18 threads per 10mm. System 2: weft, similar S spun yarn, 18 threads per 10mm. A6151; C2421–3; B34, Floor; Phase Va; Rig VI Not illustrated

333 2/1 Twill without nap ZS Wool

Three pieces of dark brown, light weight, unfelted but closely woven 2/1 twill. Dimensions: a) 110mm by 170mm; b) 113mm by 149mm; c) 65mm by 45mm. System 1: warp, fine, even Z spun yarn, 18 threads per 10mm. System 2: weft, similar S spun yarn, 18 threads per 10mm. No dye (MW). A6652a; C2421–3; B34, Floor; Phase Va; Rig VI Not illustrated

334 2/1 Twill without nap ZZ Wool

One piece, very worn, of light weight, bright mid-brown, unfelted 2/1 twill. Dimensions: 95mm by 80mm. System 1: warp, Z spun yarn, 13–15 threads per 10mm. System 2: weft, similar yarn, 11 threads per 10mm. No dye (MW). A6652b; C2421–3; B34, Floor; Phase Va; Rig VI Not illustrated

335 2/1 Twill without nap ZS Wool

One piece of mid-brown, light weight 2/1 twill, unfelted but slightly soft to the touch; both spinning and weaving are even. Dimensions: 75mm by 80mm. System 1: warp, smooth Z spun yarn, 13 threads per 10mm. System 2: weft, similar S spun yarn, 11 threads per 10mm. A09–0052; C7191–7; B34–Courtyard; Phase Va; Rig VI Not illustrated

336 Net Silk

Fragments (about 220mm by 130mm in all) of fine net, now a yellowish brown shade, constructed from firm 2S silk yarn. The yarn is knotted every 3–4mm to form a simple lozenge mesh. The net is similar to but slightly heavier than the ground of the two examples of laci (Cat Nos 351/A7577a, 352/A7577b and 370/A10112). cf four knotted mesh hairnets are known from sites in London, constructed from 2S silk yarn, dating from the late 13th to late 14th centuries (Crowfoot et al 1992, 145–9). A09–0055; C7191–7; B34–Courtyard; Phase Va; Rig VI Not illustrated

337 2/1 Twill without nap, Others Wool

One piece of light medium weight, dark brown, unfelted 2/1 twill; there are a number of shedding (?) mistakes and the cloth has a careless appearance. Dimensions: 195mm by 205mm. System 1: warp, smooth but irregular Z spun yarn interspersed at intervals of 12 to 14 threads by two S spun elements in regular succession across the width of the textile, about 13 threads per 10mm. System 2: weft, heavier S spun yarn, about 9 threads per 10mm. A09–0041; C7200–7; B34–Courtyard; Phase Va; Rig VI Illus 37

338 2/1 Twill without nap ZZ Wool

One piece of dark brown, light weight, unfelted and slightly open-textured 2/1 twill, relatively even in both spinning and weaving. Dimensions: 270mm by 115mm. System 1: warp, smooth Z spun yarn, 14 threads per 10mm. System 2: weft, similar yarn, 13 threads per 10mm. A09–0050; C7200–7; B34–Courtyard; Phase Va; Rig VI Not illustrated

339 Yarn Silk ?

Six fragments, very worn, of Z spun, 2S ply yellow-brown yarn, now partially unplied. The greatest length is 240mm, and the yarns have a diameter of 1mm or less. One length is Z plied with a rich mid-brown yarn which is coarser than the S plied yarns. A09–0053; C7185–7; P8.4; Phase Va; Rig VII Not illustrated

340 2/1 Twill without nap ZZ Wool

One piece of light medium weight, unfelted, dark brown 2/1 twill, moderately firm to the touch. Dimensions: 60mm by 105mm. System 1: warp, smooth Z spun yarn, variable in thickness, 10 threads per 10mm. System 2: weft, similar yarn, 10–11 threads per 10mm. A09–0054; C7185–7; P8.4; Phase Va; Rig VII Not illustrated

341 Yarn Wool

A mass of smooth Z yarn in various shades of brown, all about 1mm in diameter and mostly 100–150mm long, possibly waste cut from the end of a web of cloth.

A09–0087; C7185–7; P8.4; Phase Va; Rig VII

Not illustrated

342 Twill Silk

Two fragments, very worn, of dark golden yellow 1/2 weft-faced compound twill. The ridges of the twill form Z-diagonals. Both pieces are roughly triangular in shape. In (b) one of the margins consists of a side selvage with no special treatment other than the closer spacing of approximately 18 warp ends; the other two edges are cut. In (a) the edges are cut, but the outline is worn. The main warp and binding warp are of fine, firmly Z twisted yarn. There is a proportion of one main end to each binding end, with 17 binding warp ends threads per 10mm and 17 main warp ends threads per 10mm. There are two wefts, of untwisted yarn which is coarser in diameter than the warp. The weft count is of 24 threads per 10mm on each face of the fabric. Dimensions: a) 120mm by 33mm; b) 62mm by 55mm.

A09–0088; C7185–7; P8.4; Phase Va; Rig VII

Not illustrated

343 Tabby Silk

One piece of bright mid-brown, fine tabby. There is a selvage intact on one long edge; the warp threads are more closely packed towards the closed edge and the weft passes round a bundle of threads serving as the outermost warp end. The other three edges are cut and the piece is rectangular in shape. At a distance of about 45mm from the selvage, two warp ends are paired. All the other warp ends are used singly. The weft is coarser in diameter than the warp, and it is more densely packed in some areas than in others. The fragment is in a deteriorated condition at one end, and there are wear mark in the direction of the weft. Dimensions: 300mm by 152mm. System 1: warp, fine slightly Z twisted yarn, 35–37 threads per 10mm. System 2: weft, untwisted yarn, about 32–35 threads per 10mm.

A09–0046; C7208–7; P8.4; Phase Va; Rig VII

Not illustrated

344 Tabby Silk

One piece of bright mid-brown, fine tabby with a selvage intact on one long edge. Similar in every respect to and probably part of the same fabric as Cat No 343/A09–0046, apart from the one paired warp which is not a feature of this piece. This fragment also has three cut edges and is rectangular in shape, but it is in a more deteriorated condition. A series of fine crease marks trend in the direction of the weft. System 1: warp, fine lightly Z twisted yarn, 33–35 threads per 10mm. System 2: weft, untwisted yarn, about 31–35 threads per 10mm.

A09–0047a; C7208–7; P8.4; Phase Va; Rig VII

Not illustrated

345 Yarn Wool?

Mottled dark brown, coarse, hairy, 2S ply yarn, 5–6mm in diameter. Length 225mm.

A09–0047b; C7208–7; P8.4; Phase Va; Rig VII

Not illustrated

346 Tabby Silk

Two fragments, sewn together, of bright but fairly dark brown fine tabby. One edge on each piece has been turned in to a depth of 4–5mm. The two folded edges are linked with a rich dark brown 2S ply yarn. The hems are held down with a row of running stitch along the edge of the hem. On the larger fragment, there is another row of running stitches parallel to, and at a distance of 25mm from, the folded edge of the hem. All the stitching is executed in a similar silk 2S yarn. The two sides of the fragment measure, respectively, a) 45mm by 50mm, b) 20mm by 45mm. The piece as a whole has four cut edges, but it is somewhat irregular in shape. Dimensions: 72mm by 55mm overall. System 1: warp, fine, slightly Z twisted yarn, 35–38 threads per 10mm. System 2: weft, untwisted yarn, about 32–34 threads per 10mm. The threads of system 2 are coarser in diameter than those of system 1.

A09–0044; C7209–7; P8.4; Phase Va; Rig VII

Illus 23

347 2/1 Twill with nap ZS Wool

One fragment of black, heavy medium weight, heavily fulled 2/1 twill with the nap raised on both surfaces. Probably the same fabric as Cat No 329/A6644. Dimensions: 55mm by 29mm. System 1: warp, Z spun yarn, about 10 threads per 10mm.

System 2: weft, softer S spun yarn, about 6 threads per 10mm.

A8859; C2403–3; P6 & B1(b), Destruction; Phase IVcc,Va;

Rig VI

Not illustrated

348 2/1 Twill without nap ZS Wool

One piece of very dark brown, light weight, unfelted 2/1 twill, the threads unevenly packed. Dimensions: 115mm by 100mm. System 1: warp, fine, hard Z spun yarn, 15 threads per 10mm. System 2: weft, softer S spun yarn, 11 threads per 10mm. Wool type: warp HM, pigment +++, no dye; weft GM, pigment +++, no dye (MR).

A6710a; C2477–3; B1(a), T2477; Phase IVcc,Va; Rig V

Not illustrated

349 2/1 Twill without nap ZZ Wool

One piece of even dark brown, light weight 2/1 twill, unfelted but soft to the touch; uneven spinning and shedding mistakes give the cloth a careless appearance. Dimensions: 85mm by 130mm. System 1: warp, Z spun yarn, 14 threads per 10mm. System 2: weft, similar yarn, 12–16 threads per 10mm. Wool type: warp S, pigment +, dark dye; weft HM, pigment +, red dye (MR).

A6710b; C2477–3; B1(a), T2477; Phase IVcc,Va; Rig V

Not illustrated

350 2/1 Twill without nap ZZ Wool

One piece of dark brown, light weight, unfelted 2/1 twill, close woven and firm to the touch, with 45mm of closed edge, of simple structure, remaining on one margin. Dimensions: 130mm by 85mm. System 1: warp, smooth Z spun yarn, 18 threads per 10mm. System 2: weft, similar yarn, 18–20 threads per 10mm.

A6695; C2464–3; B1(a), Levelling; Phase IVcc,Va; Rig V

Not illustrated

351 Net (darned) (and braid) Silk**352 Braid (and net (darned) Silk**

One strip (Cat No 351/A7577a), incomplete and heavily worn, of laxis (embroidered net) – the remains of a decorative hair-covering. An incomplete length of narrow braid (Cat No 352/A7577b) is attached to the lower edge. The ground is of fine, firm 2S ply silk yarn, now mid-brown. At the upper edge the threads are twisted together in pairs and were presumably gathered onto a foundation loop (cf Illus 64, example in Germanisches National Museum, Nurnberg). Below this the threads are knotted to form a mesh of lozenges with 3mm sides, to a depth of 15mm. Thereafter, further threads are knotted in, to double the number, and the work continues for a further 110mm. This last section is ornamented with a cross crosslet design (Illus 57) darned in with 2S ply silk yarn, softer than, but now a similar shade to, the ground. The braid at the lower edge is composed of seven loops of very dark brown 2S ply silk yarn. The width of the braid varies from 2mm to 4mm, the result of variations in tension during the working. The lower edge of the net appears to have been attached to the braid by sewing with a length of dark brown yarn, similar to that used in the manufacture of the braid. Dimensions: net 150mm by 360mm; braid length 300mm. About 1300.

A7577a,b; C2542–3; B1(b), Destruction, Tumble 2775; Phase Va; Rig VI

Illus 56, 57 and Frontispiece

353 Yarn Wool

Six fragments of thick but slightly soft S spun, 2Z ply yarn in various shades of mid to dark brown, 3mm diameter. This is possibly from Cat No 358/A6127e (Tabby, 2 ply yarn). Dimensions: 25–40mm overall.

A2947; C2404–3; M1.5a; Phase Va,Vaa(VI); Rigs V and VI
Not illustrated

354 2/1 Twill without nap ZS Wool

Two pieces of very dark brown, light medium weight 2/1 twill, unfelted and of uneven texture. Dimensions: a) 95mm by 115mm; b) 75mm by 47mm. System 1: warp, smooth Z spun yarn of irregular thickness, 12 threads per 10mm. System 2: weft, similar S spun yarn, 10 threads per 10mm.

A6127a; C2404–3; M1.5a; Phase Va,Vaa(VI); Rigs V and VI
Not illustrated

355 2/1 Twill with nap ZZ Wool

One piece of even mid-brown, light medium weight, compact 2/1 twill, with nap on both surfaces. Dimensions: 95mm by 35mm. System 1: warp, fine Z spun yarn, 13–14 threads per 10mm. System 2: weft, the same.

A6127b; C2404–3; M1.5a; Phase Va,Vaa(VI); Rigs V and VI
Not illustrated

356 2/2 Twill without nap ZZ Wool

One fragment of light medium weight, mid-brown, unfelted 2/2 twill, even in colour and texture. Dimensions: 30mm by 25mm. System 1: warp, smooth Z spun yarn, 12 threads per 10mm. System 2: weft, similar yarn, 9 threads per 10mm.

A6127c; C2404–3; M1.5a; Phase Va,Vaa(VI); Rigs V and VI
Not illustrated

357 2/1 Twill without nap ZS Wool

One fragment of light medium weight, mid-brown, 2/1 twill, unfelted but comparatively compact and soft to the touch. Dimensions: 55mm by 30mm. System 1: warp, Z spun yarn, 11–12 threads per 10mm. System 2: weft, similar S spun yarn, 9–10 threads per 10mm. No dye (MW).

A6127d; C2404–3; M1.5a; Phase Va,Vaa(VI); Rigs V and VI
Not illustrated

358 Tabby (2 ply yarn) Wool

Fragment of mottled mid/dark brown, very heavy tabby, comparatively close woven and soft to the touch.

Dimensions: 45mm by 55mm. System 1: warp, 2 ply yarn, S spun and Z plied, 2.5 threads per 10mm. System 2: weft, similar yarn, 2 threads per 10mm. See yarn Cat No 353/A2947.

A6127e; C2404–3; M1.5a; Phase Va,Vaa(VI); Rigs V and VI
Not illustrated

359 2/1 Twill without nap ZS Wool

One piece of light medium weight, dark brown, 2/1 twill, lightly felted and comparatively compact and soft to the touch. Dimensions: 60mm by 43mm. System 1: warp, Z spun, about 11 threads per 10mm. System 2: weft, similar S spun yarn, about 10 threads per 10mm.

A6145a; C2404–3; M1.5a; Phase Va,Vaa(VI); Rigs V and VI
Not illustrated

360 2/1 Twill without nap ZS Wool

Two pieces of mid-brown, medium weight, lightly felted 2/1 twill, uneven in spinning and weaving. Dimensions: a) 95mm by 90mm; b) 75mm by 40mm. System 1: warp, Z spun yarn, 9–11 threads per 10mm. System 2: weft, S spun yarn, 7 threads per 10mm.

A6145b; C2404–3; M1.5a; Phase Va,Vaa(VI); Rigs V and VI
Not illustrated

361 2/2 Twill without nap ZS Wool

One piece, very worn, of dark brown, heavy weight, unfelted, loosely woven 2/2 twill. Dimensions: 120mm by 80mm.

System 1: warp, smooth Z spun yarn, 7 threads per 10mm. System 2: weft, similar S spun yarn, 6–7 threads per 10mm. Wool type: HM, pigment +++, no dye in both systems (MR).

A6148; C2404–3; M1.5a; Phase Va,Vaa(VI); Rigs V and VI
Not illustrated

362 Tabby Silk

One worn fragment of very fine open tabby, donkey brown in colour. The fragment has the shape of an irregular parallelogram. In both systems the threads are widely spaced. The fabric is crumpled, with creases trending in the direction of system 1. Dimensions: 93mm by 111mm.

System 1: warp, very fine Z twisted yarn, 51–54 threads per 10mm. System 2: weft, very fine Z twisted yarn, 33 threads per 10mm.

A6149; C2404–3; M1.5a; Phase Va,Vaa(VI); Rigs V and VI
Illus 24, 25

363 2/1 Twill without nap ZS Wool

Three fragments of dark brown, light weight 2/1 twill, unfelted but close woven and slightly soft to the touch; both spinning and weaving are comparatively even. Dimensions: a) 42mm by 30mm; b) 35mm by 20mm; c) 15mm by 25mm. System 1: warp, fine Z spun yarn, 10 threads per 10mm. System 2: weft, similar S spun yarn, 10 threads per 10mm.

A6150; C2404–3; M1.5a; Phase Va,Vaa(VI); Rigs V and VI
Not illustrated

364 2/1 Twill without nap ZS Wool

One piece of very dark brown, light medium weight, unfelted 2/1 twill, the threads unevenly packed. Dimensions: 70mm by 70mm. System 1: warp, Z spun yarn, about 12 threads per 10mm. System 2: weft, S spun yarn, about 9 threads per 10mm. Wool type: warp FGM, pigment +++; weft HM, pigment +++ (MR). No dye (MW).

A6626; C2404–3; M1.5a; Phase Va,Vaa(VI); Rigs V and VI
Not illustrated

365 2/1 Twill (?) with nap ZZ Wool

Six fragments of dark brown, light weight, felted 2/1 twill(?), nap raised on both surfaces. Dimensions: c120mm by 60mm in all. System 1: warp, fine Z spun yarn, 18 threads per 10mm. System 2: weft, similar yarn, 17 threads per 10mm. No dye (MW).

A6627; C2404–3; M1.5a; Phase Va,Vaa(VI); Rigs V and VI
Not illustrated

366 Yarn Wool

Three pieces of thick, soft, loosely Z spun, mid-brown yarn, about 4mm in diameter. Length a)195mm; b) 165mm; c) 70mm.

A6628; C2404–3; M1.5a; Phase Va,Vaa(VI); Rigs V and VI
Not illustrated

367 2/1 Twill without nap ZZ Wool

Three pieces of dark brown, light weight, unfelted 2/1 twill, comparatively evenly spun and woven. Dimensions: a) 80mm by 90mm; b) 70mm by 70mm; c) 90mm by 30mm. System 1: warp, smooth Z spun yarn, 12 threads per 10mm. System 2: weft, the same.

A6648; C2404–3; M1.5a; Phase Va,Vaa(VI); Rigs V and VI
Not illustrated

368 2/1 Twill without nap ZS Wool

One piece of dark brown, light weight, unfelted 2/1 twill, slightly soft to the touch. Dimensions: 85mm by 65mm. System 1: warp, Z spun yarn, 15 threads per 10mm. System 2: weft, S spun yarn, 10–11 threads per 10mm. Wool type: warp GM, pigment +++, no dye; weft HM, pigment +++, no dye (MR).

A8861; C2404–3; M1.5a; Phase Va,Vaa(VI); Rigs V and VI
Not illustrated

369 2/1 Twill with nap ZS Wool

Two small pieces (and three fragments) of dark brown, light weight 2/1 twill, with the remains of a nap on both surfaces. Dimensions: a) 70mm by 50mm; b) 39mm by 40mm. System 1: warp, fine Z spun yarn, 11–12 threads per 10mm. System 2: weft, similar S spun yarn, 11–12 threads per 10mm.

A8911; C2404–3; M1.5a; Phase Va,Vaa(VI); Rigs V and VI
Not illustrated

370 Net (darned) Silk

Two fragments, now an even mid-brown shade, and heavily worn, of laces (embroidered net). The ground is fine, firm S spun silk thread knotted into lozenges with sides 3–4mm long. On this a pattern has been darned – with a soft 2S ply silk yarn used double – consisting of a repeating bird motif, arranged in diagonal rows, the rows alternating with rows of small lozenges. The lozenges are generally single but on piece (b), there is one row of double lozenges. Also on piece (b), which is in very poor condition, there are the remains of a ring of joined lozenges within which the threads of the ground cease to be knotted and are held by a central foundation ring of yarn about 5mm in diameter. This structure indicates the fragments are the remains of a hair-covering similar to Cat Nos 351/A7577a and 352/A7577b. Dimensions: a) 100mm by 180mm; b) 265mm by 165mm.

A10112; C2404–3; M1.5a; Phase Va,Vaa(VI); Rigs V and VI
Illus 58–62

371 2/1 Twill without nap ZZ Wool

Two pieces of dark brown, light weight, unfelted 2/1 twill. a) 80mm by 40mm; b) 110mm by 30mm. System 1: warp, fine Z spun yarn, 14 threads per 10mm. System 2: weft, the same. Wool type: FGM, no pigment, no dye in both systems (MR).

A6146; C2405–3; M1.5a; Phase Va,Vaa; Rigs V and VI
Not illustrated

372 2/1 Twill without nap ZS Wool

Two fragments of dark brown, light weight 2/1 twill, lightly felted and soft to the touch. Dimensions: a) 13mm by 21mm; b) 14mm by 18mm. System 1: warp, fine Z spun yarn, 15 threads per 10mm. System 2: weft, similar S spun yarn, 9–10 threads per 10mm. Dye: Q, K, R? (MW).

A8880; C2405–3; M1.5a; Phase Va,Vaa; Rigs V and VI
Not illustrated

373 2/1 Twill without nap ZS Wool

Three pieces (and a number of fragments) of dark brown, light weight 2/1 twill, unfelted but soft to the touch. Dimensions: a) 50mm by 25mm; b) 35mm by 40mm; c) 45mm by 40mm. System 1: warp, Z spun yarn, 15 threads per 10mm. System 2: weft, S spun yarn, more variable in thickness, 9–10 threads per 10mm.

A09–0017; C7079–7; M1.5b; Phase Vaa; Rigs VI and VII
Not illustrated

374 2/1 Twill without nap ZS Wool

Four pieces (and some fragments) of mottled mid/dark brown, light medium weight, unfelted but slightly soft 2/1 twill. Dimensions: a) 110mm by 185mm; b) 75mm by 80mm; c) 60mm by 100mm; d) 50mm by 35mm. System 1: warp, Z spun yarn of irregular thickness, about 11 threads per 10mm. System 2: weft, finer S spun yarn, about 8 threads per 10mm. No dye (MW).

A09–0019; C7079–7; M1.5b; Phase Vaa; Rigs VI and VII
Not illustrated

375 2/2 Twill without nap ZZ Wool

One piece (and a fragment) of dark brown, medium weight, unfelted 2/2 twill. Dimensions: 75mm by 53mm. System 1: warp, plump, smooth Z spun yarn, 10 threads per 10mm. System 2: weft, similar yarn, 8 threads per 10mm. A09–0023a; C7079–7; M1.5b; Phase Vaa; Rigs VI and VII Not illustrated

376 2/1 Twill without nap ZZ Wool

One piece (and two fragments) of dark brown, light weight, unfelted 2/1 twill; the threads in system 1 are closely packed and almost cover those in system 2. Dimensions: 110mm by 20mm. System 1: warp, fine hard Z spun yarn, about 18 threads per 10mm. System 2: weft, similar yarn, 8 threads per 10 mm. cf Cat No 537 from 45–75 Gallowgate, Aberdeen (Gabra-Sanders 2001a, 225 and 232) and Cat No 159 from 42 St Paul Street, Aberdeen (Bennett 1982, 199). A09–0023b; C7079–7; M1.5b; Phase Vaa; Rigs VI and VII Not illustrated

377 2/1 Twill with nap ZS Wool

One piece of very dark brown, light medium weight, lightly felted 2/1 twill, with a slight nap on both surfaces. Dimensions: 50mm by 32mm. System 1: warp, Z spun yarn, 12–13 threads per 10mm. System 2: weft, thicker S spun yarn, 8–9 threads per 10mm. A09–0060; C7082–7; M1.5b; Phase Vaa; Rigs VI and VII Not illustrated

378 2/1 Twill without nap ZS Wool

One piece of dark brown, light medium weight, 2/1 twill, unfelted but soft to the touch; the yarn in both systems is variable in thickness. Dimensions: 185mm by 45mm. System 1: warp, Z spun yarn, 10–12 threads per 10mm. System 2: weft, S spun yarn, 8–9 threads per 10mm. A09–0072a; C7082–7; M1.5b; Phase Vaa; Rigs VI and VII Not illustrated

379 2/1 Twill without nap ZS Wool

One fragment, very worn, of dark brown, medium weight 2/1 twill, open textured but soft to the touch; the yarn in both systems is variable in tension and thickness. Dimensions: 45mm by 40mm. System 1: warp, Z spun yarn, about 8 threads per 10mm. System 2: weft, S spun yarn, about 6 threads per 10mm. A09–0072b; C7082–7; M1.5b; Phase Vaa; Rigs VI and VII Not illustrated

380 2/1 Twill without nap ZZ Wool

One piece of dark brown, light weight unfelted 2/1 twill, firm to the touch. Dimensions: 210mm by 100mm. System 1: warp, smooth, firm Z spun yarn, 13 threads per 10mm. System 2: weft, similar yarn, 12 threads per 10mm. A09–0037; C7169–7; M1.5b; Phase Vaa; Rigs VI and VII Not illustrated

381 2/2 Twill without nap ZZ Wool

One piece of very dark brown, medium weight unfelted 2/2 twill with a number of shedding mistakes. Dimensions: 175mm by 180mm. System 1: warp, smooth firm Z spun yarn, 13 threads per 10mm. System 2: weft, Z spun yarn, thicker and more variable in tension, 7 threads per 10mm. A09–0042; C7169–7; M1.5b; Phase Vaa; Rigs VI and VII Not illustrated

382 2/1 Twill without nap ZS Wool

One piece of dark brown, light medium weight unfelted 2/1 twill, slightly open textured and firm to the touch. Dimensions: 90mm by 140mm. System 1: warp, smooth Z spun yarn, 12 threads per 10mm. System 2: weft, similar S spun yarn, 10 threads per 10mm. A09–0064; C7169–7; M1.5b; Phase Vaa; Rigs VI and VII Not illustrated

383 Yarn Wool

About twenty strands, up to 70mm long, of reddish mid-brown soft S spun yarn; the yarn is kinked as if it was once woven. The yarns are variable in diameter, approximately 1mm. A09–0073; C7169–7; M1.5b; Phase Vaa; Rigs VI and VII Not illustrated

384 Tabby (2 ply yarn) Wool

One piece of dark brown, heavy tabby, of comparatively close and even texture. Dimensions: 170mm by 135mm. System 1: warp, firm 2 ply yarn, Z spun and S plied, 3 threads per 10mm. System 2: weft, similar yarn, 4 threads per 10mm. A09–0043; C7162–7; M8a; Phase Va,Vaa; Rig VII Not illustrated

385 2/1 Twill with nap ZS Wool

Two pieces of mottled mid-brown, light medium weight 2/1 twill, soft to the touch and with the remains of a light nap on both surfaces; both spinning and weaving are uneven. Dimensions: a) 163mm by 165mm; b) 43mm by 50mm. System 1: warp, soft Z spun yarn, 13 threads per 10mm. System 2: weft, thicker S spun yarn, about 8 threads per 10mm. A09–0040; C7163–7; M8a; Phase Va,Vaa; Rig VII Not illustrated

386 2/1 Twill without nap ZS Wool

One piece of very dark brown, medium weight, unfelted and open textured 2/1 twill, firm to the touch; the threads are irregularly spaced. Dimensions: 170mm by 105mm. System 1: warp, smooth Z spun yarn, about 11 threads per 10mm. System 2: weft, thicker S spun yarn, 6–9 threads per 10mm. No dye (MW). A09–0036; C7182–7; M8a; Phase Va,Vaa; Rig VII Not illustrated

387 Felt Wool

Fragments, in poor condition, of rich mid-brown heavy weight felt, uneven in texture. Dimensions: c70mm by 80mm in all. A09–0070; C7201–7; M8a; Phase Va,Vaa; Rig VII Not illustrated

388 2/1 Twill without nap ZS Wool

One piece of dark brown 2/1 twill, similar to Cat No 389/A09–0074 and probably part of the same fabric. Dimensions: 90mm by 155mm. System 1: warp, even Z spun yarn, 13 threads per 10mm. System 2: weft, similar S spun yarn, 10 threads per 10mm. A09–0015; C9012–9; M8a; Phase Va,Vaa; Rig VII
Not illustrated

389 2/1 Twill without nap ZS Wool

Two pieces, one with 55mm of simple closed edge on one margin, of dark brown, light medium weight 2/1 twill, unfelted but compact and slightly soft to the touch. Dimensions: a) 155mm by 183mm; b) 90mm by 100mm. Probably part of fabric Cat No 388/A09–0015. System 1: warp, even Z spun yarn, 13 threads per 10mm. System 2: weft, similar S spun yarn, 10 threads per 10mm. A09–0074; C7205–7; M8a; T7206; Phase Va,Vaa; Rig VII
Not illustrated

390 2/1 Twill without nap ZS Wool

Two pieces of very dark brown, light medium weight, unfelted 2/1 twill, both with a closed edge, of simple structure, remaining on one margin. The weaving is close but uneven. Dimensions: a) 232mm by 95mm; b) 150mm by 104mm. System 1: warp, smooth, glossy, Z spun yarn, about 12 threads per 10mm. System 2: weft, similar S spun yarn, about 12 threads per 10mm. A09–0146; C7113–7; B53 (Phase 1), Central Area–Occupation (2a); Phase Vb; Rig VII
Not illustrated

391 Braid Silk

Length of very firm whipcording, now mid-brown; 2mm in diameter. The braid is constructed from (?) 24 lengths of soft 2S ply silk yarn. Length 75mm. A09–0021; C7110–7; B53 (Phase 1), North Area–Occupation (3a); Phase Vb; Rig VII
Not illustrated

392 2/1 Twill without nap ZS Wool

Two fragments of dark brown, light weight, closely woven 2/1 twill, lightly felted and slightly soft to the touch; both spinning and weaving are even. Dimensions: a) 55mm by 50mm; b) 40mm by 50mm. System 1: warp, very fine Z spun yarn, 15 threads per 10mm. System 2: weft, similar S spun yarn, 15 threads per 10mm. A09–0013; C7107–7; B53 (Phase 1), North Area–Occupation (4); Phase Vb; Rig VII
Not illustrated

393 Tabby (2 ply yarn) Wool

Four pieces of mottled mid/dark brown, heavy tabby, open-textured and harsh to the touch; two of the pieces have lengths of selvedge, of simple structure, intact on one edge. Dimensions: a) 570mm by 135mm; b) 250mm by 105mm; c) 190mm by 105mm; d) 150mm by 90mm. System 1: warp, very firm 2 ply yarn, Z spun and S plyed, 5–6 threads per 10mm. System 2: weft, similar yarn, about 3 threads per 10mm. A09–0008; C7064–7; P8.5; Phase Vb,Vbb; Rig VII
Not illustrated

394 2/1 Twill without nap ZS Wool

One piece of dark brown, light medium weight, unfelted 2/1 twill, the threads irregularly spaced, giving an uneven appearance. Dimensions: 90mm by 115mm. System 1: warp, fine Z spun yarn, about 12 threads per 10mm. System 2: weft, similar but more irregular S spun yarn, 8–9 threads per 10mm. A09–0016; C7072–7; B53 (Phase 2), North Area–T7072; Phase Vbb; Rig VII
Not illustrated

395 2/1 Twill without nap ZS Wool

Three pieces of dark brown, light weight 2/1 twill, unfelted but soft to the touch; both spinning and weaving are slightly uneven. Dimensions: a) 110mm by 125mm; b) 35mm by 25mm; c) 45mm by 25mm. System 1: warp, smooth Z spun yarn, 15 threads per 10mm. System 2: weft, S spun yarn, 15–16 threads per 10mm. A09–0025; C7099–7; B53 (Phase 2), South Area–Occupation (6); Phase Vbb; Rig VII
Not illustrated

396 2/1 Twill without Nap ZS Wool

One piece (and a number of fragments), very worn, of dark reddish brown, light weight 2/1 twill, lightly felted and soft to the touch. Dimensions: 90mm by 115mm. System 1: warp, Z spun yarn, 15 threads per 10mm. System 2: weft, S spun yarn, 12 threads per 10mm. A09–0012; C7034–7; B53 (Phase 2), North Area–Occupation (15); Phase Vbb; Rig VII
Not illustrated

397 2/1 Twill with nap ZS Wool

One piece of sandy brown, medium weight 2/1 twill, lightly felted with a slight nap on one surface; the piece ran red when washed. Dimensions: 65mm by 45mm. System 1: warp, fine Z spun yarn, about 12 threads per 10mm. System 2: weft, thicker, more irregular, S spun yarn, about 8 threads per 10mm. Wool type: warp HM, no pigment, no dye; weft FGM, no pigment, no dye (MR). A6709; C2737–2; M4a; Phase Vaa–Vc(VI); Rigs V and VI
Not illustrated

398 Tabby (2 ply yarn) Wool

One piece of mottled mid-brown, very heavy tabby, soft to the touch; the yarn in both systems is very variable in thickness and tension. Dimensions: 90mm by 60mm. System 1: warp, 2 ply yarn, S spun and Z plyed, about 3 threads per 10mm. System 2: weft, 2 ply yarn, Z spun and S plyed, about 3 threads per 10mm. Wool type: HM, pigment +++, no dye in both systems (MR). A8869; C2176–4; M3a; Phase Vb–Vc; Rigs V and VI
Not illustrated

399 2/1 Twill without nap ZS Wool

One piece of rich mid-brown, medium weight, lightly felted 2/1 twill; both spinning and weaving are uneven. Dimensions: 150mm by 60mm. System 1: warp, Z spun yarn, about 8 threads per 10mm. System 2: weft, heavier S spun yarn, 6–7 threads per 10mm. A8910; C2715–2; P1b; Phase Vd; Rig VI
Not illustrated

400 Tabby (2 ply yarn) Wool

Two worn fragments of very dark brown, heavy tabby, open textured but comparatively even in both spinning and weaving. Dimensions: a) 45mm by 40mm; b) 40mm by 35mm. System 1: warp, 2 ply yarn, Z spun and S plyed, 4 threads per 10mm. System 2: weft, similar yarn, 3 threads per 10mm.

A8858; C2123–4; M3b; Phase Vd; Rig VI

Not illustrated

401 Yarn Wool

Five fragments, each about 20mm long, of smooth, soft, reddish mid-brown, Z spun yarn.

A6130; C2174–4; M3c; Phase Vd; Rig V

Not illustrated

402 2/1 Twill with Nap ZS Wool

Three roughly triangular pieces and one strip of dark brown, medium weight, felted 2/1 twill, with a slight nap on both surfaces; two of the pieces are ridged a short distance from and parallel to one edge suggesting a seam line; a) 190mm by 120mm, b) 215mm by 120mm, c) 150mm by 105mm, d) 265mm by 15mm. System 1: warp, Z spun yarn, 10–11 threads per 10mm. System 2: weft, S spun yarn, about 8 threads per 10mm.

A09–0028; C7008–10; B51, T7008; Phase Vd,Vdd; Rig VIII

Not illustrated

403 Carpet Jute or sisal base, man-made(?) pile

Two pieces of carpeting consisting of a tabby base constructed from stiff ribbon-like yarn, the threads widely spaced, 5–6 threads per 10mm, with a pile of greenish-blue felted threads arranged in rows about 7mm wide and now about 2mm deep; the method by which the pile is attached to the base is not clear, but probably an adhesive has been used. The pieces appear to be of very recent origin. Dimensions: a) 250mm by 165mm; b) 250mm by 40mm. Professor Whiting (MW) commented that a sample of the pile sent for dye analysis 'contained an acidic blue/green dyestuff, not indigo sulphonc acid, and I cannot find any reference to a chemical candidate for this dye earlier than 1879'. Modern.

A11083; C3870–1; Unstratified; Rigs VI and VII

Illus 50

404 2/1 Twill without nap ZZ Wool

One piece of mottled mid/dark brown, very heavy 2/1 twill, open-textured and firm to the touch, with 85mm of closed edge remaining on one margin. The warp threads are more closely packed at the closed edge but the structure is simple; at one point, two weft threads have been passed through the same shed. Dimensions: 160mm by 120mm. System 1: warp, glossy, plump Z spun yarn, of irregular thickness, about 6 threads per 10mm. System 2: weft, similar yarn, 4 threads per 10mm. Wool type: HM, pigment +, no dye in both systems (MR).

A1268; C2716–2; Unstratified; Rigs V and VI

Not illustrated

405 2/1 Twill with nap ZS Wool

One piece of even mid-brown, heavy 2/1 twill, heavily felted and with a light nap on one surface and a heavier nap on the other. Dimensions: 235mm by 55mm. System 1: warp, fine Z spun yarn, variable in tension and thickness, 12 threads per 10mm. System 2: weft, S spun yarn, 9–10 threads per 10mm.

A2827; C2001–3/4; Unstratified; Rigs V and VI

Not illustrated

406 Felt Wool

Numerous fragments in poor condition, of mid-brown, medium weight felt taken from inside a leather boot; there are no visible needle holes or signs of seams or other constructional features. Dimensions: c200mm by 70mm in all.

A9821; C2001–3/4; Unstratified; Rigs V and VI

Not illustrated

407 Tabby (2 ply yarn) Wool

Six pieces of dark brown, very heavy tabby, coarse to the touch and uneven in both spinning and weaving; two of the pieces have a length of closed edge, 110mm and 170mm respectively, intact on one margin. Dimensions: a) 220mm by 200mm; b) 60mm by 50mm; c) 140mm by 140mm; d) 155mm by 220mm; e) 185mm by 100mm; f) 140mm by 165mm. System 1: warp, 2 ply yarn, S spun and Z plyed, 3–4 threads per 10mm. System 2: weft, similar yarn, 3.5–4 threads per 10mm.

A09–0005; C7000–7–10; Unstratified; Rigs VI–VIII

Not illustrated

408 2/1 Twill with nap ZS Wool

One piece of dark red-brown, medium weight heavily felted 2/1 twill, compact and with nap on both surfaces. Dimensions: 85mm by 35mm. System 1: warp, fine Z spun yarn, about 14 threads per 10mm. System 2: weft, similar S spun yarn, about 10 threads per 10mm.

A09–0066; C7000–7–10; Unstratified; Rigs VI–VIII

Not illustrated

409 2/2 Twill without nap ZZ Wool

One piece of mottled mid/dark brown, heavy medium weight, unfelted, closely woven 2/2 twill. Dimensions: 100mm by 110mm. System 1: warp, smooth Z spun yarn, 12 threads per 10mm. System 2: weft, similar yarn, 8 threads per 10mm.

A09–0009; C7001–7/9; Modern, T7014; Phase VI; Rig VII

Not illustrated

North Sector (Area 5)

410 Tabby (2 ply yarn) Wool

One piece of dark brown, very heavy tabby, open textured and comparatively soft to the touch; now very worn. Dimensions: 60mm by 100mm. System 1: warp, 2 Ply Yarn, loose Z spun and S plyed, about 2 threads per 10mm. System 2: weft, the same. Wool type: HM, pigment +++ in both systems (MR). No dye (MW).

A7336; C0489–5; Ditch; Phase (1)2

Not illustrated

North Sector (Area 6)

411 2/1 Twill without nap ZS Wool

One piece of light medium weight, dark brown 2/1 twill, unfelted and firm to the touch, the threads unevenly spaced' Dimensions: 70mm by 100mm. System 1: warp, Z spun yarn, 12–13 threads per 10mm. System 2: weft, S spun yarn, 10–11 threads per 10mm. No dye (MW).

A6147; C1028–6; 'Garden'; Phase G

Not illustrated

