

Burton Flaming, Yorkshire
 Arras Culture cemetery, c.2nd.cent.B.C.

by Elisabeth Crowfoot

Textile remains on metal objects

681582 FL/CX (Grave 13) Bronze fragments
 Replaced Z threads, wood, and probable grass impressions.

681585 FE/BH (Grave 5) Iron and wood object
 Area deteriorated textile, replaced, clearest patch c.1.5 X 1.0 cm.
 Spinning Z,Z, threads 5 per cm in one system, weave not clear.

690703 FM/CV (Grave 12) Iron brooch
 Some coarse Z spun threads replaced on the pin attachment and pin,
 probably from twill.

705696 FM/CW (Grave 12) Iron object
 Replaced Z fibres, probably deteriorated textile, but could be leather.

705697 / (Grave 3) Iron brooch
 Area 4.5 X 2.5 cm overall, replaced textile wrapped all round object in
 a double layer or fold. Spinning Z one system, S the other, the Z
 thread more tightly spun than the S and therefore probably the warp.
 Clear patch of coarse plain weave measuring 2.0 X 2.0 cm, count
 5(Z)/3(S) per cm. The rest of the fabric is all deteriorated, but
 probably all comes from the same heavy cloak or blanket.

705698 FM/CU (Grave 10) Iron brooch
 Remains of replaced deteriorated textile. In one area Z threads
 c.0.6-7 cm long, lying together as if from fringe.

705699 / (Grave 14) Long involuted iron brooch
 Area c.8.0 X 4.0 cm replaced textile over one side and going round the
 edge of the brooch in three or more folds or layers. Spinning Z both
 systems, coarse, twill weave, count estimated 5/5 threads per cm. In
 one place threads seem to pass over 3 instead of 2, which may be due to
 broken threads, but may indicate a reverse, as in a diamond or herring-
 bone, rather than a simple 2/2 twill, but the surface is too deteriorated
 to be certain. J.W.Hedges has made the suggestion that one fragment
 c.2.0 cm long, may be part of a plaited edge (Pl.), but from the
 passage of the threads this seems more likely to be a fragment of twill
 folded along the diagonal. Probably a heavy cloak or blanket.

705700 FM/EH (Grave 15) Iron brooch
 Fragment replaced textile on ring, c.2.0 X 0.7 cm. As far as can be
 seen, Z,Z, plain weave, count c.3/4 per cm (2 on 5 mm).

705714 / (Grave 11) Bronze with iron ring and pin
 Area 2.5 X 1.5 cm, replaced textile. Spinning Z both systems, twill
 weave, regular 2/2 diagonal as far as can be seen, count estimated
 c.7/6 threads per cm. There are some rust-impregnated threads in the
 earth from the brooch, but no fibres preserved.

715500 / (Grave 1) Iron brooch
 Areas of replaced textile all over the surface of the brooch for
 c.7.5 X 2.0 cm. Z and S threads present, but surface too deteriorated
 for weave to be deciphered.

715501 FG/BL (Grave 5) Iron involuted brooch
 Folds of replaced textile visible, one edge, inside the curves of the
 brooch, spinning Z,Z. At one end, fragment 1.0 X 1.0 cm, Z,Z, count
 5/5 threads per cm, probably plain weave, but the centre thread is
 paired; this may be simply a weaving mistake, or broken thread missing.

715503 / (Grave 10) Iron brooch
 Area c.3.0 X 1.0 cm, replaced textile on transverse of brooch. Z and
 S threads present, but weave not clear; the Z threads lie closely
 parallel, 3 to 5 mm, in one clear area, giving the impression of a cord,
 but may be simply part of the weave from which the other thread system
 is missing. Near spring of brooch some finer threads.

715504 / (Grave 12) Iron brooch
 Traces of replaced textile all over the surface of the object, the best
 area c.3.0 X 1.5 cm, but too deteriorated for the weave to be seen;
 spinning Z in one system, coarse, probably S in the other.

715508 // (Grave 15) Iron brooch
 Areas of replaced textile, 2.0 X 2.0 and 3.0 X 2.0 cm. Some Z threads
 clear, but the surface too deteriorated for further identification.

Kulka flumen.

Fig. 2



22274.
Shawm lute.
(Shawm pattern
preceding)
Fig. 2



22275.
? Shawm lute



Diagram
of above.
Fig. 1

715509 / (Grave 19) Iron flattened bow brooch

Replaced textile in lumps on both spring ends, 3.5 X 2.5 cm and 2.5 X 4.0 cm (under wood). Z threads present, but the mass is too deteriorated for the weave or number of layers to be deciphered.

715510 FG/CX (Grave 22) Iron brooch

Fragment 1.3 X 0.8 cm, coarse replaced 2/2 twill, Z,S, count c.6/6 (taken as 3/3 on 5 mm). Inside spring, coarse Z fibres and remains of threads. Fragment, now detached, which may have come from here seems to have finer Z threads.

715515 FB/AR (Grave 9) Bronze brooch, iron pin

All over brooch, iron replaced textile with coarse threads. One clearer patch, on underside of stone at foot end, folding round, c.2.0 X 2.5 cm, shows one system hard-spun Z, the other very thick, probably S,Zply; probably plain weave, 4(Z)/2(plyed) threads per 5 mm. Presence of a lot of tangled ?plyed threads suggests this is part of the end border and fringe of the weave (see borders on 722763, 722766 below).

715519 FB/BF (Grave 16) Iron brooch

Fragment of ?leather, c.2.0 X 1.5 cm at one end of brooch. At centre and the other end, scattered remains of replaced textile, Z,Z, count c.6/6 (3/3 on 5 mm); weave not clear.

(722762 FR/AD to follow)

722763.FR/AD (Grave 4) Bronze and iron brooch

Replaced textile, 2.3 X 1.7 cm, including part probably of starting border; six threads of this present, coarse Z over paired Z warps, probably only a little missing along the top, possibly simply the warp loops; warps 5 per cm, with twill weave starting below the border with Z weft. The border ends in a knot, showing that here we have the corner of the weave (fig.1.a,b). Along the pin arms for a length of 4.5 cm, twill, Z,Z, count 5/5 per cm, probably the same weave as that coming from the border.

722764 FR/AJ (Grave 8) Iron brooch

All over brooch, with clear area c.2.5 X 1.3 cm, replaced textile, Z,Z, twill with chevron reverse (fig.2), count 5/5 per cm, in two layers.

722766 FR/AY (Grave 9) Iron brooch

Areas of replaced textile on pin head, round bar and on pin, the best preserved c.3.5 X 3.0 cm, coarse Z,Z, 2/2 twill as far as can be seen, but some broken threads, count 6/6 per cm. Across pin, area c.1.5 cm long, starting border c.0.9 cm wide, plain weave, probably of six Z or Zply threads, with weft of Z pairs, 6 per cm, the warps of the twill; border threads tied in knot at corner as in fig.1.

722767 FR/BD (Grave 10) Iron brooch

Area c.1.5 X 1.5 cm, coarse replaced Z,Z threads from twill, count 2/2 on 5 mm, but many threads missing; traces Z threads on pin.

722768 FR/BH (Grave 15) Iron brooch

Whole surface covered with replaced textile, coarse Z,Z, surface poor.

722769 FR/BM (Grave 12) Iron brooch

Mass of deteriorated replaced textile, Z threads.

722770 FR/BN (Grave 13) Iron brooch

Replaced textile over most of surface, clearest area 4.0 X 1.8 cm, Z,Z, twill, count 4/4 per cm.

722771 FR/BX (Grave 18) Iron brooch

Traces replaced threads, one patch 2.0 X 1.5 cm, coarse Z,S, threads, surface deteriorated.

722772 FR/CC (Grave 20) Iron brooch

Coarse replaced textile round head and pin attachment, Z,Z, twill, count estimated c.4/5 per cm, but surface broken. Along and round pin, mass of Z threads lying parallel, clear over 2 cm length, probably a fringe.

722773 FR/CG (Grave 17) Iron brooch

Underneath, replaced wood and some Z ply threads. On pin section, replaced deteriorated textile, Z,S; on other large section, coarse replaced textile, similar, and again wood; above, a lump 4.0 X 4.0 cm of similar Z,S textile.

Burton Fleming.3

722776 FR/CO (Grave 22) Iron brooch

Replaced textile in three folds on head of brooch, c.2.0 X 1.8 cm, and in two thicknesses between pin and shank, area length 3.0 cm, both from similar weave, Z,S, twill, count 7(Z)/6(S) per cm.

722777 FR/CS (Grave 21) Iron brooch

Lump of wood and mass of replaced textile, Z threads, deteriorated.

722782 FR/BU (Grave) Bronze brooch

Round head, area coarse textile, best area 1.5 X 1.5 cm, threads very coarse, Z,Z, weave uncertain but probably twill, count 6(3 on 5 mm)/5 per cm. Fibre examined by J.W.Hedges, who reported that it was too far replaced, some degraded animal fibres present, but too far gone for identification.