

## K1347 Condition Report

**Conservation Started: 25/6/13**

**Conservation Finished: 25/6/13**

**Conservator: Deborah Magnoler**

**Time Taken: 4 hr**

Including digital photography, report, conservation and packing.

**Dimensions:** various

a) (L) 15mm; (W) 10mm; (Th.) 1mm

b) (L) 15mm; (W) 8mm (Th.) 2mm

**Weight before:** 3.07g

**Weight after:** 2.8g (part a alone – 0.49g)

**Weight with K298 and K1542:** 7.55g

**X-ray:** BM, L101, L102, L126

**Catalogue number:** 182

(K1347b incised silver-gilt renumbered to K1968; K1347c interlace silver fragment renumbered to K1969; K1347d silver sheet renumbered to K1970; K1347e silver-gilt edge renumbered to K1971, catalogue number 688; K1347f silver-gilt decorated fragment renumbered to K1972, catalogue number 687; K1347g silver helmet crest fragment renumbered to K1973)

### **Digital photography:**

Taken with a Canon EOS digital camera under daylight bulbs and Photomicrographs taken using Keyence VHX-1000 3D digital microscope with LED and/or fibre optic lights, 20-200x magnification.

**Description:** Visual and microscopic examination using Meiji stereo microscope 7-75x magnification.

A group of eight different objects comprising:

K1347a: silver fragment with fish scale or honey comb decoration, grooves and gilding on opposite side

K1347b: silver gilt object with incisions, a curved edge and the remains of a rivet hole

K1347c: silver fragment decorated with an interlace pattern – possibly zoomorphic- and remains of a fastening hole

K1347d: a plain, flat silver fragment

K1347e: fragment of a silver gilt edge or border – possibly from a hilt plate. The front is decorated with a single, deep groove running along the length of the object.

K1347f: silver gilt decorated fragment, possibly cast and possibly belonging to the same group as K1138 (see Potential & Confirmed grouping document in the Hoard condition reports folder for details). The decoration appears to be formed of small triangles in various positions.

K1347g: fragment of thickly gilded silver with cast decoration, likely a part of the second edging strip/crest (see grouping document for details)

K1347h: a plain fragment of silver with a slight curvature and extremely neatly cut edges, possibly fractured. The object's cross-section is wedge shaped with a slight rough flange on the wider end.; of silvery/metallic appearance and tool marks.

**Associated objects:** Joins with K298 and K1542.

**Pre-Conservation Condition:** Visual and microscopic examination using Meiji stereo microscope 7-75x magnification.

Most of the objects have small depositions of grainy soil. None is complete. The silver gilt objects have suffered much dulling from a patchy, dark discolouration, not unusual for such objects. K1347c is much affected by a waxy, bumpy encrustation of silver corrosion on all sides. K1347d had an interesting dark mark on one side which might have been left by an associated object. K1347e has linear micro scratches possibly caused by the burial environment and a deposit of what appears to be green copper corrosion on the underside. K1347f has also been affected by waxy silver corrosion, which has dulled the surface and made it uneven. This object has also suffered some deep abrasion at one end. All objects appear stable.

**Treatment:** Carried out using a Meiji stereo microscope

**Purpose:** Study

**Aim:** Total cleaning

**Materials:** Soft natural/synthetic brushes, thorn in pin vice/holder, IMS on metals, 50:50 water/IMS on metals, cotton wool swabs, cocktail stick, Paraloid B72

The granular soil on the front and back was mechanically removed or reduced where possible using a fine thorn tip secured in a pin vice and a small pure bristle brush. IMS was used to soften the soil to facilitate removal. Loose particles of soil were then removed with a small swab of IMS.

Possible corrosion products were left in situ; corrosion was not active and can be further cleaned or stabilised at a later date.

The paper K number was adhered to the back with HMG brand Paraloid B72 (ethyl methacrylate copolymer) from the tube, applied with a cocktail stick.

A storage box padded with white polyethylene foam was made for housing the object. A strip of Tyvek (spun bound polyethylene fibres) was used as a cushion for the object and to help lift it out of the foam.

**Post-Conservation Condition/Findings:** see pre-conservation reports.

**Samples:**

None – insufficient soil.