

**CAT No. 147 – Hilt Collar**  
**K364+ K1470**  
**Condition Report**

**Conservation Started: 13/10/2015**

**Conservation Finished: 14/10/2015**

**Conservator: Kayleigh Fuller**

**Time Taken: 2.5hours**

Including digital photography, report, conservation and packing.

**Dimensions:** (L) 73.6 mm (W) 3.4mm (T) 0.7 mm

**Weight before: K364-1.26g, K1470- 0.43g**

**Weight after:** n/a

**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.

Gold strip, decorated with plain twisted wire in a linear herring bone formation. There is one rivet hole at one end, surrounded by a ringlet of beaded wire. Possible traces of solder are visible between the wire strands at this end. The outer borders are a single strand of beaded wire and the back is plain.

**Associated object:**

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

K1470 - Partly covered in soil. One end is broken, while the end with the rivet hole is complete. The object is bent and slightly twisted in the central area. There is no apparent disruption to the wire decoration. Half of the front is covered by an orange-brown hard encrustation resembling iron corrosion. Areas of the back also feature this type of encrustation. The back has a number of small scratches, but none of them appear to have occurred recently (during or post-excavation).

K364- The object is a long thin gold panel strip with a filigree panel on the top. The filigree is bent in a wide 'V' shape and twisted in places. The filigree panel is on the inside of the 'V' and the reverse is on the outside. Both ends appear to be break edges. There are two possible rivet holes visible on the reverse. The surface is covered in a moderate/heavy layer of loose and compact soil obscuring the surface and the condition of the surface

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

**Purpose:** Study, Display

**Aim:** Total cleaning/ Re-assembly

**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.

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.

**13/10/2015- K. Fuller**

K364 and K1470 were re-assembled using 40% W/V Paraloid B72 in Acetone.

Items were re-boxed with new plastazote

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

**Samples:**

None taken – insufficient soil.