

**CAT No. 183- Hilt Collar**  
**K181, K187, K528, K743, K755, K936, K1152, K1253, K1306, K2089**  
**Condition Report**

**Conservation Started:** 10/06/2015

**Conservation Finished:** 1/10/2015

**Conservator:** Kayleigh Fuller

**Time Taken:** 6.5 hours

Including digital photography, report, conservation and packing.

**Dimensions:** L. 40.5mm; H. 17mm; Th. edge 1–1.5mm

**Weight before:**

K181- 1.40g,

K755- 1.25g,

K743+K936+K1306+K1152- 3.90g

K1253- 0.26g

K528, K187- 1.49g, 0.95g

K2089 (was K1210)- 0.40g

**Digital photography:**

Taken with a Nikon Coolpix 4500 digital camera, under daylight or bulbs and Meiji Techno RZ Stereo microscope with an Infinity 1 camera (with analyses capture software) and fibre optic lights, 7-75x magnification. Taken before, during and after.

**Annotation on any of the storage bags or boxes:**

Group N

K1210 – BA771 SSH09 Triangle 318 J13 1001

X-ray: L43, L102, L126

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

Thin and narrow fragment of a strip of CuA (and possible Silver) with decorative panels and gold gilding.

**Associated Objects:** Paired with CAT 182 [K298, K1347, K1542]

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

Silver gilt hilt collar- corresponds to the newly numbered hilt collar 182. Has zoomorphic or non-zoomorphic design with possible gold gilt visible. A large proportion is present.

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

**Purpose:** Display / Study / Analysis

**Aim:** Partial cleaning / Stabilisation/ 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, Reemay Polyester netting 30gsm.

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 or water 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.

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:**

**During Treatment:**

Fragments have been cleaned previously and some joined.

Join edges were adhered with HMG Paraloid B72 (ethyl methacrylate copolymer) and Acetone. Some breakages required polyester netting fixed to the reverse as a backing support across break. This was carried out with 20% Paraloid B72 in Acetone.

Item was rehoused with 182. A storage box padded with white polyethylene foam was made for housing the object.

Break edges seemed original

**After Treatment:**

Item is highly fragmented- handle with care

**Key Features:**

- Fragment of Silver/CuA panel strip.
- Gold Gilt.
- Copper Corrosion Products.
- Insoluble Crustations.

**Analysis Undertaken:**

XRF analysis of the object was performed. See document 'KXXX XRF Report'.

**References:**