

CAT No. 87- Hilt Collar
K483 +K879
Condition Report

Conservation Started: 9/10/2015

Conservation Finished: 9/10/2015

Conservator: Kayleigh Fuller

Time Taken: 2 hours

Including digital photography, report, conservation and packing.

Dimensions: (L) 59.2 mm (W) 20 mm (D) 1.9 mm

Weight before: 5.76g + 13.87g

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.

Annotation on any of the storage bags or boxes:

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

Hilt-collar in gold with all over filigree decoration. Almost complete, 2 fragments rejoined torn in half at the panel joins and flattened, some wires missing. Probably from the upper grip. Collar body constructed from two strips of sheet metal, with patches.

Associated Objects:

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

K483: Embedded in a block of soil that covers all sides. See post-conservation reports for more information.

K879: The depth of the filigree is obscured by compact soil, but the back is relatively clean.

The strip fragment is visibly ripped at each side, with sharp or jagged edges and over-hanging filigree wire. This object provides ample opportunity for the study of filigree decoration. It is also twisted in the middle. There are no visible signs of corrosion or oxidation, but small, localised red staining, possibly due to the Fe content in the soil.

Treatment: Carried out using a Meiji stereo microscope

Purpose: Study

Aim: Total cleaning, Re-assembly

Materials: Soft natural/synthetic brushes, thorn in pin vice/holder, IMS on metals, cotton wool swabs, cocktail stick, Paraloid B72, Reemay Polyester netting 30gsm

The granular soil on the front & 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.

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.

9/10/2015- K. Fuller

Objects were joined together at break edge using 40% w/v Paraloid B72 in Acetone. The break was supported on the back with polyester netting and 20% w/v Paraloid B72 in Acetone.

Post-Conservation Condition/Findings:

n/a

Key Features:

- Whole gold hilt collar
- Dense, elevated filigree

Samples:

1. soil from all sides