

CAT No. 236- Hilt Ring
K1597 + K1635
Condition Report

Conservation Started: 13/11/2015

Conservation Finished: 13/11/2015

Conservator: Kayleigh Fuller

Time Taken: 2 hours

Including digital photography, report, conservation and packing.

Dimensions: (L) 38.2mm (W) 2.3 mm

Weight before: K1597- 0.72g, K1635- 0.96g

Weight after:

Digital photography:

Taken with a Canon EOS 1100D 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:

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Description: Visual and microscopic examination using Meiji stereo microscope 20x magnification

K1597+K1635- Cast silver-alloy beaded wire fragments, slightly arched. The fragment is heavily deformed by cuts across the top. The beads have been flattened on one side.

Associated Objects:

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Pre-Conservation Condition: Visual and microscopic examination using Meiji stereo microscope 20x magnification

The object's surface has tarnished. Inside the cuts, thick layers of white and (on top) purple silver chloride have formed. One side of the fragment looks as though recently fractured; silver crystals are visible with the naked eye.

Treatment: Carried out using a Meiji stereo microscope

Purpose: Study / Analysis

Aim: Cleaning/ Reassembly

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 or water was used to soften the soil to facilitate removal. Loose particles of soil were then removed with a small swab of IMS.

After consultation, corrosion products were mostly removed;

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.

The two fragments were re-adhered to each other using 30% W/V Paraloid B72 in Acetone. The box was altered to fit the new fragment.

Post-Conservation Condition/Findings:

Key Features:

- Beaded wire
- Cut marks

Analysis Undertaken:

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Samples:

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References:

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