

K1401 Condition Report

Conservation Started: 31/01/2013

Conservation Finished: 31/01/2013

Conservator: Cymbeline Storey

Time Taken: 2 hours

Including digital photography, report, conservation and packing.

Dimensions: (L) 13mm (W) 5mm (H) 5mm (L. shank) 7.5mm

Weight before: 1.37g

Weight after: 1.26g

X-ray plate: L64

Catalogue number: 60

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 and after.

Annotation on any of the storage bags or boxes: None

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

Detached gold rivet casing (for two rivets) from a pommel cap, consisting of two tapered barrel-shaped housings attached to a flat gold sheet. The housings are wider at the bottom and taper slightly toward the top, and they are decorated with horizontal lines of twisted filigree. In one of the housings there is a short gold pin with a flat head, straight shaft and blunt tip.

Associated Objects: TBC

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

The object is bent, tarnished, and filled with soil. There is a large, open crack on the back that will require a support backing. There is an additional deposit of soil in between the two casings on the front.

There is moderate tarnish over much of the surface. Some of the filigree is in good condition and some shows signs of wear, with the high points worn down.

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/back and inside the holes 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 open crack on the back of the object required application of a Japanese tissue backing for support to prevent breakage during handling; Japanese tissue was applied with Paraloid B72 (ethyl methacrylate copolymer) 30% w/v in acetone.

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.

07/08/2015- K. Fuller

Fixed pin in end with 40%w/v Paraloid B72 in Acetone

Post-Conservation Condition/Findings:

Soil removal has revealed the surface and allowed detail to be seen. A soldered seam can be seen on the back of the object. Also on the back is a Japanese tissue support backing to reduce the chance of breakage during handling. Nevertheless the object is fragile and should be handled with care.

There is moderate tarnish and some wear on the filigree, especially around the top.

Key Features:

- Detached rivet casing (for two pins) from a pommel cap
- Twisted filigree decoration
- One pin in situ

Samples:

1. soil