

K1686 Condition Report

Conservation Started: 08/08/2013

Conservation Finished: 08/08/2013

Conservator: K. Fuller

Time Taken: 2 hours

Including digital photography, report, conservation and packing.

Dimensions: (Diam) 13mm (H) 5mm (W) 1mm (Th) Wire 1mm

Weight before: 2.06g

Weight after: 1.91g

Catalogue number: 621

Digital photography:

Taken with a Canon EOS digital camera under daylight or bulbs and a Keyence VHX-1000 3D digital microscope with LED and/or fibre optic lights (20-200x magnification). Taken before and after.

X-ray: L120; L133

Annotation on any of the storage bags or boxes:

X-Ray plate L120, L133

Description: Visual and microscopic examination using Meiji stereo microscope 7-75x magnification
Gold round boss/ hilt rivet cup with filigree decoration from squashed balled wire 1mm thick. 1 wire coiled on top of itself 3 times near to the base of the dome.

Associated Objects:

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

Item has minimal soil on top of boss, primarily trapped between an under wiring. Part of wiring decoration is not securely fixed to boss base. Dent and abrasion to the dome and wire on one side, flattening the structure. Heavy soil accretion inside the dome. General scratches to surface from polishing process.

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, water on garnets, cotton wool swabs, cocktail stick, Paraloid B72 HMG ~30%

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.

Post-Conservation Condition/Findings:

Inner dome surface has ridges and blackening of surface, potentially from the casting process.

Key Features:

- Small gold boss with squashed balled filigree decoration
- Damage / dent to dome
- Inner metal ridges and darkening, casting process?

Samples:

Sample 1: Soil from front

Sample 2: Soil from back (inside dome)

References:

N/A