

K167 Condition Report

Conservation Started: 12/7/13

Conservation Finished: 15/7 /13

Conservator: Deborah Magnoler

Time Taken: 1.5 hr

Including digital photography, report, conservation and packing.

Dimensions: (L) 20mm (W) 9.5 mm (H) flange 4.5mm (T) 1 mm

Weight before: 1.08g

Weight after: 1.03 g

Catalogue number: 397

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.

X-ray: L101

Annotations on the box: 24/7/2009

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

Silver fragment with a 90 degree edge forming a narrow wall or flange. This object could be part of a hilt plate or tray.

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

Partly covered in soil the surface was affected by a voluminous type of silver corrosion that has trapped some of the soil and is forming localised encrustations on the surface of the object. A grey, grainy type of corrosion also forms localised deposits on all sides of the object. There does not appear to be any damage caused during or post-excavation.

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 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.

Possible corrosion products were left in situ; corrosion was not active and can be further cleaned or stabilised at a later date.

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: see pre-conservation reports.

Key features:

- Silver fragment
- Hilt plate or tray

Samples:

None – insufficient soil.

***UPDATE 10/09/15: Now boxed with K200, K253, K422, K609, K864, K901, K935, K941, K1057, K1268 (Lizzie Miller)**