

K1748 Condition Report

Conservation Started: 29/5/13

Conservation Finished: 29/5/13

Conservator: Deborah Magnoler

Time Taken: 1 hr

Including digital photography, report, conservation and packing.

Dimensions: (D) 6mm (Th) 0.5mm

Weight before: 0.05g

Weight after: 0.04g

Catalogue number: 662

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: L94

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

A flat silver object with a large perforation in the centre. The perforation might be the result of damage. This might be a flat nail head whose shaft has been broken off.

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

There is a thin layer of silt on the surface. The object appears to be covered by a waxy silver corrosion and is very brittle. The underside contains what appears to be copper corrosion, as well as another white-ish, unidentified material.

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.

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.

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.

Samples:

None – insufficient soil.