

K1046 Condition Report

Conservation Started: 25-2-2013

Conservation Finished: 26-2-2013

Conservator: Suzanne van Leeuwen

Time Taken: 3 hours, including digital photography, report, conservation and packing.

Dimensions: L. 21.1 mm; W. (max.) 16 mm

Weight before: 2.49 grams

Weight after: 1.47 grams

X-ray: L44

Catalogue number: 274

Digital photography: Taken with a Canon EOS 1100D digital camera, under daylight and with a Keyence VH-Z20R Digital Microscope, under artificial light. Taken before and after.

Annotation on any of the storage bags or boxes:

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Description: *Gold, fragment of hilt-plate of sheet-metal with flanged edges, torn and misshapen. A (pierced) boss with partly filigree collar and two empty rivet holes remain at the end. Part of aperture is visible.* (Description SvL)

Associated Objects:

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Pre-Conservation Condition: Visual and microscopic examination using Meiji BM 47941 stereo microscope 2-10x magnification. Object covered in soil, surface looks plain.

Treatment: Carried out using a Meiji BM 46941 stereo microscope 2-10x magnification.

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. A mixture of 50% IMS and 50% water was used to soften the soil to facilitate removal. Loose particles of soil were then removed with a small swab of the IMS/water mixture. A swab of IMS was used to neutralise the surface.

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 a mixture of 30% HMG brand Paraloid B72 (ethyl methacrylate copolymer) and 70% acetone, 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.

Purpose: Study / Analysis

Aim: Total cleaning

Materials: Soft natural/synthetic brushes, thorn in pin vice/holder, 50:50 water/IMS on metals, cotton wool swabs, cocktail stick, IMS, 30:70 Paraloid B72/acetone

Post-Conservation Condition/Findings: Some tarnishing on surface, filigree collar around boss is not complete, some deeper cutting around rivet holes. Remains of solder visible around boss.

Key Features: Gold, sheet-metal, boss with filigree collar.

Analysis Undertaken: X-ray: L44

Samples: One sample was taken, marked:

- K1046- soil sample

References:

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