

K1236 : Gold sheet-metal hilt plate with filigree collared rivet hole

Condition Report

Conservation Started: 25.2.2013

Conservation Finished: 25.2.2013

Conservator: Julia Leunge

Time Taken: 2 hours

Including digital photography, report, conservation and packing.

Dimensions: (L) 32mm (W) 21mm (Th) 0.2mm

Weight before: 1.47g

Weight after: 1.13g

Catalogue number: 266

X-ray: L62

Digital photography:

Taken with a Canon EOS 100D digital camera, under daylight or bulbs and a Keyence VH-Z20R Digital Microscope (with analyses capture software) and fibre optic lights, 7-75x magnification. Taken before and after.

Annotation on any of the storage bags or boxes:

SSH09, 1001, 197 1, 134, 9

Description: Visual and microscopic examination using Meiji stereo microscope 20x magnification
Gold sheet-metal hilt plate with rivet hole. The rivet hole has a beaded wire filigree collar. One narrow end of the hilt plate has been bent upward. The rivet hole has been torn, on the front a mark is visible suggesting something has turned around in the hole.

Associated Objects:

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Pre-Conservation Condition: Visual and microscopic examination using Meiji stereo microscope 20x magnification

Granular soil is adhering to the object's surface. Some discolorations are visible.

Treatment: Carried out using a Meiji stereo microscope

Purpose: Study / Analysis

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.

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:

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Key Features:

Rivet hole, beaded wire filigree collar.

Analysis Undertaken:

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Samples:

1: soil from front, back and side surfaces.

References:

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