

K1180 Condition Report

Conservation Started: 14-2-2013

Conservation Finished: 14-2-2013

Conservator: Suzanne van Leeuwen

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

Dimensions: L. incomplete 16 mm; W. 13 mm; H. 4 mm: Th. 1.5 mm

Weight before: 1.45g

Weight after: 1.39g

X-ray: L43

Catalogue number: 380

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: [clean] *Silver-alloy fragment from a cast hilt-plate, twisted, with a curving flanged edge. The upper surface has remains of gilding. One edge includes part of a rivet hole. X-ray: L43*

– Notes Chris Fern-

Associated Objects: . Possibly joins K1141 and K1217

Pre-Conservation Condition: Visual and microscopic examination using Meiji BM 47941 stereo microscope 2-10x magnification.

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.

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.

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: Remnants of two rivet holes, some crustations and silver chloride corrosion on top of gilding on front. On backside a small pin was attached to the surface, this

may be a casting pin or flaw; the pin was captured on a photo microscopic picture. Casting surface clearly visible on back.

Key Features: Cast silver, gilding

Analysis Undertaken: X-ray: L43

Samples: One sample was taken, marked:

- K1180-back

References:

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