

## K1449 a-b Condition Report

**Conservation Started:** 12-2-2013

**Conservation Finished:** 12-2-2013

**Conservator:** Suzanne van Leeuwen

**Time Taken:** 3.5 hours, including digital photography, report, conservation and packing.

**Dimensions:** Combined: (L) 18mm; (W) 11mm; (Th.) 1mm

**Weight before:** a: 2.26 grams; b: 0.75 grams

**Weight after:** a: 2.25 grams; b: 0.74 grams

**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:** *Gilded silver-alloy pommel cap, two fragments which can be joined. Both fragments have non zoomorphic interlacing. Cast?* (Description SvL)

### Associated Objects:

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**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.

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.

**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:** Both fragments are heavily encrusted with green (copper) corrosion and purple/white (silver-chloride) corrosion. The remains of gilding were more visible after cleaning; the silver without gilding has blackened.

The inside of the larger fragment a, was not cleaned for future reference.

**Key Features:** Gilded, silver-alloy, cast

**Analysis Undertaken:** X-ray: L44

**Samples:** One sample was taken, marked:

- K1449-b

**References:**

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