

## K1685 Condition Report

**Conservation Started:** 7-2-2013

**Conservation Finished:** 8-2-2013

**Conservator:** Suzanne van Leeuwen

**Time Taken:** 4.5 hours, including digital photography, report, conservation and packing.

**Dimensions:** L. distorted 13mm; W. 5mm

**Weight before:** 0.56 grams

**Weight after:** 0.43 grams

**Catalogue number:** 442

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

**X-ray:** L64

**Annotation on any of the storage bags or boxes:**

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**Description:**

**[fully clean]** From soil block K512. **[uncleaned; need x-ray]** Reverse of ticket says this is a 'au hilt rivet cap', which it isn't. Gold, small fitting which is incomplete, but it is difficult to gauge original size due to unclean and damaged state. Of sheet-metal construction with filigree decoration, combining beaded wires, plain wires and scrollwork. The reverse shows one rivet hole at one end. The wear to the filigree is heavy in places. It may be a fitting from the grip of a sword. X-ray: L64 - Notes Chris Fern -

**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:** Wear to the filigree is most severe on the bent edge, film of dark corrosion products on back/inside, some historic scratches.

**Key Features:** Different forms of filigree (beaded wires, plain wires and scrollwork), gold sheet-metal.

**Analysis Undertaken:** X-ray: L64 (from notes Chris Fern)

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

- **K1685**

**References:**

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