

K1071 Condition Report

Conservation Started: 25-2-2013

Conservation Finished: 25-2-2013

Conservator: Suzanne van Leeuwen

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

Dimensions: (L) 26.5 mm; (Th. sheet) 0.4 mm; (W) 13mm

Weight before: 4.56g

Weight after: 1.92g

X-ray: L59

Catalogue number: 316

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 hilt-plate of sheet-metal, (almost) complete. Misshaped, covered in soil, aperture remains. One end has three rivet holes, the other end only one (visible) rivet.* (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, spread on soil is some white moulding.

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: Sheet metal has split in some places on the object (does this mean that this type of fitting was usually made out of two sheets?), some tarnishing on surface. Around two of the four rivet holes remains of a continuous band of solder were observed, around the single rivet hole on one end two types of solder were observed: one band of continuous solder and one band of dotted solder.

Before conservation mould was observed on the soil, therefore the soil has been sampled as one sample because the mould was not concentrated to a single spot.

Key Features: Gold, sheet metal, solder

Analysis Undertaken: X-ray: L 59

Samples: One sample was taken, marked:

- K1071- soil sample (moulded)

References:

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