

K1482 Condition Report

Conservation Started: 14/5/2013

Conservation Finished: 14/5/2013

Conservator: Deborah Magnoler

Time Taken: 2 hours

Including digital photography, report, conservation and packing.

Dimensions: (L) 11mm (W) 4mm (Th) 1mm

Weight before: 0.18g

Weight after: 0.18g

Catalogue number: 681

Digital photography:

Taken with a Canon EOS digital camera under daylight bulbs and Photomicrographs taken using Keyence VHX-1000 3D digital microscope with LED and/or fibre optic lights, 20-200x magnification.

Description: Visual and microscopic examination using Meiji stereo microscope 7-75x magnification
Gold fragment decorated with S shaped fine beaded wire scrolls. The remains of a double beaded wire border survive.

Pre-Conservation Condition: Visual and microscopic examination using Meiji stereo microscope 7-75x magnification

Lightly covered in soil. The object is broken on all sides and the back plate is bent. This has caused some of the scrolls to become separated from the base and to hanging precariously. See post conservation report for more details.

Treatment: Carried out using a Meiji stereo microscope

Purpose: Study

Aim: Total cleaning

Materials: Soft natural/synthetic brushes, thorn in pin vice/holder, IMS on metals, 50:50 water/IMS on metals, water on garnets, cotton wool swabs, cocktail stick.

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 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:

There is a patch of dark, iridescent discolouration at the back. The central area at the front, between the scrolls, appears double layered; this could indicate the remains of solder.

Key Features:

- Fragment with S scrolls
- Possible traces of solder (see photomicrographs)

Samples:

None taken (insufficient amount of soil)