

K1225 Condition Report

Conservation Started: 22/5/13

Conservation Finished: 22/5/13

Conservator: Deborah Magnoler

Time Taken: 1hr

Including digital photography, report, conservation and packing.

Dimensions: (L) 26mm (W) 3mm

Weight before: 1.79g

Weight after: 1.19g

Catalogue number: 314

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.

Annotation on any of the storage bags or boxes: SSH9 171 1001 M9 sf144 29/7/09

Description: Visual and microscopic examination using Meiji stereo microscope 7-75x magnification.

Plain gold sheet fragment. Possibly part of a hilt plate. The longer sides may be original, while the object's end appears to have been neatly cut. The inner edge is curved.

Associated Objects: May join K648

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

Almost entirely covered in soil, incomplete. One end is folded.

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, Paraloid B72

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: the surface has multiple scratches, nicks and areas of deep abrasion. There are localised deposits of a dark material or discoloration on the surface.

Key features:

- Plain fragment of gold, possibly hilt plate.

Samples:

1. soil from all sides