

K1132 Condition Report

Conservation Started: 29/4/2013

Conservation Finished: 29/4/2013

Conservator: Deborah Magnoler

Time Taken: 2.5 hours

Including digital photography, report, conservation and packing.

Dimensions: (L) 37 mm (W) 6 mm (Th.) 0.5mm

Weight before: 3.09g

Weight after: 2.34g

Catalogue number: 615

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: SSH09 BA 1971 P8 1001 sf 446 11/8/09

Description: Visual and microscopic examination using Meiji stereo microscope 7-75x magnification
Fragment of C-sectioned silver edging.

Associated Objects: other fragments of C-sectioned silver edging.

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

The outer surface is partly covered in soil, the inner side is almost entirely filled with soil. The object is broken at both ends and bent unnaturally. The surface is dark with surface enrichment/oxidation. This dark layer is worn or scratched in places to reveal a bright metallic surface underneath. The side of the central area has suffered a dent surrounded by small stress fractures. The dark surface layer is worn on this area, revealing the silver beneath. There is a short, wide scratch appearing fresh near one end. There is a hard encrustation of what could be silver corrosion near one of the ends.

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, cotton wool swabs, cocktail stick,

The granular soil on all sides 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.

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 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:

See pre-conservation report.

Key Features:

- Silver C-sectioned edging

Samples:

1. soil from the inside.

Analysis:

Surface XRF analysis was undertaken on the front surface of the object. A sub-surface area was prepared on the edge to allow analysis of the core alloy.