

K 1051 Condition Report

Conservation Started: 21/5/13

Conservation Finished: 22/5/13

Conservator: Deborah Magnoler

Time Taken: 2 hrs

Including digital photography, report, conservation and packing.

Dimensions: (L) 14 mm (W) 3.5mm (Th.) 1mm

Weight before: 0.66g

Weight after: 0.58g

Catalogue number: 679

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 M7 BA 1971 1001 sf 386 6/8/09 EVSC

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

A narrow gold strip decorated with linear, horizontal strands of herring-bone patterned wire, separated by a single central strand of beaded wire. The outer border are decorated by a single line of beaded wire. The back is plain.

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

One end of the object appears to be complete and is comparatively undamaged. The central area and the opposite end have suffered bending, breakage and lifting of the wire strands. Both the outer borders are fractured here, and the base plate is torn and folded. The twisted wire is worn in many places, but this damage does not appear to be fresh. There is extensive darkening of the surface by a black form of discolouration, possibly attributed to enrichment or oxidation.

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, 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 or water 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: Traces of a hard encrustation resembling iron corrosion are attached to the surface on the integral end.

Key features:

- Small strip with linear herring bone pattern

Samples:

None taken – insufficient soil.