

K1074 Condition Report

Conservation Started: 4/2/13

Conservation Finished: 4/2/13

Conservator: Deborah Magnoler

Time Taken: 3 hrs

Including digital photography, report, conservation and packing.

Dimensions: (L) 42mm (H) 3mm (T) 2mm (W) 24mm

Weight before: 4.88g

Weight after: 4.59g

X-ray: L50

Catalogue number: 155

Digital photography:

Taken with a Nikon Coolpix 4500 digital camera, under daylight or bulbs and Meiji Techno RZ Stereo microscope with an Infinity 1 camera (with analyses capture software) and fibre optic lights, 7-75x magnification. Taken before, during and after.

Annotation on any of the storage bags or boxes: BA 1971 SSH09 1001 M11 sf 168 30/7/09

Description: Visual and microscopic examination using Meiji stereo microscope 7-75x magnification
Gold hilt ring, composed of two strands of fine beaded and coiled wire, set close & parallel to each other on a single plain gold backing. The space between the strands is covered by a central single line of beaded wire.

Associated Objects:

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

Cut open and slightly deformed. The wire strands have separated from the backing in some points. Due to bending, one portion of a strand has disjoined from the rest. There is a deposit of what may be iron corrosion on the surface at one end. Localised dark tarnish.

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 the front & 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.

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:

- Hilt ring, cut
- Two strands of beaded & coiled wire set on single backing.
- Fe corrosion? On surface.

Samples:

1. soil from all sides – contains small amounts of Fe corrosion.