

## K159 Condition Report

**Conservation Started:** 19/07/2013

**Conservation Finished:** 19/07/2013

**Conservator:** Cymbeline Storey

**Time Taken:** 0.75 hour

Including digital photography, report, conservation and packing.

**Dimensions:** (L) 18mm (H) 6mm (D) 6mm (Th) 1mm

**Weight before:** 1.42g

**Weight after:** 1.35g

**Catalogue number:** 372

### Digital photography:

Taken with a Keyence VHX-1000 3D digital microscope with LED and/or fibre optic lights (20-200x magnification). Taken before and after.

**Annotation on any of the storage bags or boxes:** None

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

Undecorated fragment of silver with 90-degree finished edge. All other edges are breaks. The back is plain and has an unfinished, rough texture.

**Associated Objects:** TBC

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

The object is a fragment with a 90-degree finished edge. The rest are old-looking breaks. The surface has light general abrasion and moderate tarnish (probably from burial) as well as a thin film of waxy, purplish corrosion product (likely silver chloride). The back is ~80% covered with unremarkable soil. Visible surface is bumpy and tarnished (probably from burial).

**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/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.

**Post-Conservation Condition/Findings:**

The condition of the front is the same as pre-conservation apart from removal of a small amount of soil. The entire back surface can now be seen; it has a rough/unfinished texture and moderate tarnish.

**Key Features:**

- Undecorated silver fragment
- 90-degree bend
- Part of hilt plate?

**Samples:**

1. soil