

## K1554 Condition Report

**Conservation Started:** 22/03/2013

**Conservation Finished:** 22/03/2013

**Conservator:** Cymbeline Storey

**Time Taken:** 2 hours

Including digital photography, report, conservation and packing.

**Dimensions:** (D) 8mm (Th. shank) 1mm (L) 8mm (H. boss) 3mm

**Weight before:** 0.64g

**Weight after:** 0.63g

**Catalogue number:** 625

### **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

Gold domed boss with single beaded wire around the base and a blunt-tipped gold pin attached to the interior of the dome.

**Associated Objects:** TBC

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

The gold has moderate to heavy tarnish and general surface abrasion. The dome of the boss has several old-looking dents. There is a small amount of soil on the exterior, primarily around the beaded wire.

There is no hole in the dome of the boss. The pin extends from a round disc that is soldered to the interior of the domed boss. The interior has patchy dark tarnish and a little soil.

The pin is bent but has a straight (ie, not tapered) shaft and a blunt tip with a snapped appearance.

**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, 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.

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:**

Some of the tarnish was removed with IMS during conservation. Light to moderate tarnish still covers areas of the object, particularly on the reverse.

The pin is secure.

**Key Features:**

- Gold boss with pin
- Solid dome; no hole in it

**Samples:**

None