

## K1139 Condition Report

**Conservation Started:** 10/5/2013

**Conservation Finished:** 10/5/2013

**Conservator:** P.Ashmore

**Time Taken:** 8 hours

Including digital photography, report, conservation and packing.

**Dimensions:** (L) 66 mm (W) 2.5 mm (D) 1 mm

**Weight before:** 2.46g

**Weight after:** 2.32g

**Catalogue number:** 551

### 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:** K1139 55 H09 1971 (1001) Q17 13/8/09 X-ray plate L90

**Description:** Visual and microscopic examination using Meiji stereo microscope 7-75x magnification  
Gold strip with two beaded wires attached on one side and plane on other, server bend across width of strip and soil deposits on front face. (soil sample 2 ) and light deposits of soil on back ( sample 1)

**Associated Objects:** None known

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

Gold strip with wires attached on one face , soil deposit along all of face and wire at end detached.

Back face mostly clear of soil.

**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,

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. 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:** Front face has a beaded wire running along its length and is detached at one end, it has an area of abrasion which has flattened off 5mm of beading along its length.

At opposite end a second larger diameter 17mm long wire runs parallel to the first also in a beaded pattern, this is flattened off at one end. There are raised remnants of solder in front of the larger wire on the main strip, the surface is rough and has light scratches on most of the surface, it also has copper coloured surface areas on about 75% of the face.

The back face is mostly plane but has raised lines across the width of the band 4 in total along its length, it has burred edges and one large scuff near the end.

**Key Features:**

- Beaded wires

**Samples:**

1. Back face.
2. Front face.