

## K1052 Condition Report

**Conservation Started: 21/11/11**

**31/01/13**

**Conservation Finished: 22/11/11**

**01/02/13**

**Conservator: Deborah Magnoler**

**Jen Leigh**

**Time Taken: 2.5hours**

**(5.8 hours treatment) + (1.5 hours documentation) = 7.3 hours**

Including digital photography, report, conservation and packing.

**Dimensions: (L) 27.6 mm (W)19.2 mm (D)1.1 mm**

**Dimensions with K17: (L) 28mm; (H) 19mm; (Th. edge) 1mm; (Th. sheet) <0.5mm**

**Weight before: 4.45g**

**Weight after: 3.70g**

**Weight with K17: 7.77g**

**X-ray: L36, L52**

**Catalogue number: 93**

### **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: SSH09 M7 sf 377 1001 BA 1971 6/8/09 EV SC**

**Description:** Visual and microscopic examination using Meiji stereo microscope 7-75x magnification  
Rectangular portion of strip or collar. Mostly obscured by soil; plain back and intertwining filigree decoration at the front; double rows of herring bone plain wire decorate the top and bottom borders. Plain strips of gold, possibly serving as joins, are found on the right and left ends of the back; now partially detached.

**Associated Objects:** K17

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

Broken off portion of strip or collar; joins visible at the back are lifting; bent; some of the beaded wire is lifting at the edges; some metal reddish discolouration; mostly covered by a quartz soil.

**Treatment:** Carried out using a Meiji stereo microscope

**Purpose:** Display/ wire demonstration

**Aim:** Partial cleaning

**Materials:** Soft natural/synthetic thorn in pin vice/ IMS on metals,

The granular soil on the exterior/interior surface was mechanically removed or reduced where possible using a fine thorn tip secured in a pin vice and a small pure bristle brush. IMS was used to soften the soil to facilitate removal.

A new storage box padded with white polyethylene foam was constructed to house 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:**

There are depressions on the gold base corresponding with the hollows in the filigree decoration. Filigree wire at border is lifted. The back features a dark glassy object embedded in the soil; this could be a garnet fragment or charcoal: it was left in situ. Most of the soil remains on the surface, as this object was only partially cleaned for a demonstration of the wire decoration.

**Treatment:** Carried out using a Meiji stereo microscope

**Purpose:** Study

**Aim:** Full cleaning

**Materials:** Soft natural/synthetic brush, thorn in pin vice, cotton swab and cocktail stick, IMS.

The granular soil on the exterior/interior surface was mechanically removed where possible using a fine thorn tip secured in a pin vice and a small pure bristle brush. IMS was used to soften the soil to facilitate removal. IMS was also applied with a small brush to wash the soil deposits off that were clinging to the surface (after main soil removal) and the brush was wiped on a soft paper towel.

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.

Object was replaced in its labelled padded storage box.

**Post-Conservation Condition/Findings:**

The dark glassy object embedded in the soil turned out to be a hollow beetle shell. The object has a copper enrichment colour across most of the back surface below the raised mounds and in the corresponding chased depressions on the front as well as in the grooves of the filigree wire. There are a few scratches on the back from the thorn tip through the enriched layer.

**Samples:**

1. soil from the surface
2. Soil from front surface 01/02/13
3. Soil from back surface 01/02/13