

## K129 Condition Report

**Conservation Started:** 15/07/2013

**Conservation Finished:** 16/07/2013

**Conservator:** Chi Chun, Lin

**Time Taken:** 7 hours

Including digital photography, report, conservation and packing.

**Dimensions:** (L) 39mm (W) 30 mm (Diam) 2.5mm (Th) 4mm

**Weight before:** 6.12 g

**Weight after:** 5.94 g

**X-ray:** L123

**Catalogue number:** 219

### **Digital photography:**

Taken with a Canon EOS digital camera under daylight or bulbs and 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:**

Small find number 9 , 24/7/09, X-ray: L122

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

The object was a gold hilt ring, but the both edges are broken and wide opened. As a result the object is look like a long fragment of gold wire, which was made up inner core of gold wire and with beaded filigree wire surrounding it. In addition, there is a thin gold filigree beaded wire running over the top and a piece of strip setting underneath the object.

### **Associated Objects:**

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

The hilt ring is covered with soil and it only shows the raised pattern on the surface. It is broken and opened at the both end. The whole shape is slight beaded and curly. Because of the beaded condition, parts of the beaded filigree wire are separate leaving wide and visible gaps between the beaded wires. The gold strip is broken on the centre and part of it separates from the hilt ring. The edge of broken gold strip is uneven and slight curly.

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

**Purpose:** Study

**Aim:** Total cleaning

**Materials:** Soft synthetic brushes, thorn in pin vice/holder, IMS on metals, cotton wool swabs, cocktail stick, Paraloid B72 .

The granular soil on the front and back were 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 K129 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:**

It is a core-like object which is composed with an inner core and gold filigree wire coiling around it. Upon the top, there is a fine filigree wire. A gold strip which is as long as the object is set underneath. There is a tiny fine ring setting on the middle of hilt ring. In addition, one of the broken end is wrapped around with a fine ring.

**Key Features:**

gold hilt ring is sounding with beaded gold filigree wire and gold strip.

**Analysis Undertaken:**

**Samples:**

**Sample 1: soil from the front side.**