

## K176 Condition Report

**Conservation Started:** 23/4/2013

**Conservation Finished:** 23/4/2013

**Conservator:** Deborah Magnoler

**Time Taken:** 1 hour 30 minutes

Including digital photography, report, conservation and packing.

**Dimensions:** (L) 19.5 mm (W) 6.5 mm (Th) 1mm

**Weight before:** 1.24g

**Weight after:** 1.20g

**Catalogue number:** 614

### **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.

**Description:** Visual and microscopic examination using Meiji stereo microscope 7-75x magnification  
Fragment of a silver gilt C sectioned edging.

### **Associated Objects:** C sectioned edging fragments

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

The outer surface is virtually clean. Broken on three sides, the gilding is dulled by surface enrichment/oxidation. The original silver colour metal is visible on the inside.

**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, water on garnets, cotton wool swabs, cocktail stick.

The granular soil on the inside 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. 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.

**Key Features:**

- Fragment of C sectioned edging

**Samples:**

1. Soil – from inside

**Analysis:**

Surface XRF analysis was undertaken on the front surface of the object. A sub-surface area was prepared on the inside to allow analysis of the core alloy.