

## K1692 Condition Report

**Conservation Started:** 28/5/13

**Conservation Finished:** 29/5/13

**Conservator:** Deborah Magnoler

**Time Taken:** 1hr

Including digital photography, report, conservation and packing.

**Dimensions:** (L) 28 mm (W/H) 6 mm (W) edge 4mm (Th) 1mm

**Weight before:** 1.24g

**Weight after:** 1.20g

**Catalogue number:** 593

### **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.

**X-ray:** L95

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

Silver fragment with traces of gilding. K1692 has 90° angle edge, which could have created the flange of a possible hilt plate. The underside appears of a bright silver colour and deposits of black and green material, resembling copper corrosion, are visible here.

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

Very lightly covered in soil and broken on three sides. The edge of the flange is complete, although dented in several points (see images). The top side is darkened by a black deposit and dark discolouration. The underside has multiple linear, deep scratches.

**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, Paraloid B72

The granular soil on the front and 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 was used to soften the soil to facilitate removal. Loose particles of soil were then removed with a small swab of IMS.

Deposits were left in situ; corrosion was not active and can be further cleaned or stabilised at a later date.

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:** see pre-conservation reports.

**Samples:**

1. soil from the underside.