

**CAT No. 383- Hilt Plate**  
**K198+K944+K1335**  
**Condition Report**

**Conservation Started: 23/9/2015**

**Conservation Finished: 24/09/2015, 7/10/2015**

**Conservator:** Kayleigh Fuller, Lizzie Miller

**Time Taken:** 1.75 hours, 0.5 hours

Including digital photography, report, conservation and packing.

**Dimensions:** L. 32.5mm; H. flange 4mm; Th. edge 1.5mm

**Weight before:** K198- 1.01g, K944- 1.00g, K1335-1.32g

**Weight after:** n/a

**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:**

X-ray: L43, L47

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

Silver gilt fragments from the end of a hilt plate or tray. Rivet hole visible.

**Associated Objects:** CAT no. 374

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

**K198-** Partial. The gilding is apparently only present on the upper side. There are copper corrosion encrustations around the partial rivet hole. The gilding has suffered much abrasion and is affected by patchy encrustations of what may be silver chloride or a product of a light colour and a waxy consistency adhering to the surface. The underside is encrusted by voluminous corrosion orange and green in colour.

**K944-** Partial. The gilding is apparently only present on the upper side. There are copper corrosion encrustations around the partial rivet hole. The gilding has suffered much abrasion and is affected by patchy encrustations of what may be silver chloride or a product of a light colour and a waxy consistency adhering to the surface. The underside is encrusted by voluminous corrosion orange and green in colour.

**K1335-** The gilding has many small and some large scratches. It has also been cut through in some places. Green copper corrosion product is visible on the front of the object and the back has been almost entirely covered by it. Incrustations which look calcareous are present on front and back.

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

**Purpose:** Study

**Aim:** Partial cleaning/ Reassembly

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

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.

Corrosion products 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.

**23/9/2015- K. Fuller**

Fragments were adhered together with 30-40% w/v Paraloid B72 in Acetone. Item was re-housed in a new box with cut out plastazote.

**07/10/2015- L. Miller**

Now boxed with K979+K1209+K1338

**Post-Conservation Condition/Findings:**

**Key Features:**

- Silver gilt end of hilt plate
- Rivet hole