

**CAT No.'s 376, 377 - Hilt Plates**  
**K1170 + K1269 (CAT 376), K1154 (CAT 377)**  
**Condition Report**

**Conservation Started: 29.09.15**

**Conservation Finished: 29.09.15**

**Conservator: Lizzie Miller**

**Time Taken: 2 hrs**

Including digital photography, report, conservation and packing.

**Dimensions before:**

K1154: 23.0mm(L) x 4.6mm(W) x 0.8mm(Th)

K1170: 16.4mm(L) x 8.2mm(W) x 0.7mm(Th)

K1269: 15.8mm(L) x 6.5mm(W) x 0.7mm(Th)

**Dimensions after:**

K1154: No change

K1170 + K1269: 32.4mm(L) x 8.9mm(W) x 0.7mm(Th)

**Weight before:**

K1154: 0.49g

K1170: 0.62g

K1269: 0.54g

**Weight after:**

K1154: No change

K1170 + K1269: 1.16g

**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:**

K1170: SSHO9 BA1971, 418 (in a triangle) 1001 09, 7/8/09

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

K1170 + K1269 and K1154 are three fragments of two silver hilt plates. The only decoration is formed by parallel grooves running the length of the object on the flange – on K1170 and K1154 there appears to be 3 decorative grooves, and on K1269 there seems to be 2.

**Associated Objects:** Possibly a suite with Hilt plates CAT no. 374–375

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

All fragments are tarnished. K1170 and K1154 have ingrained deposits of sand-coloured soil deposits on the surface. The edges of the fragments are jagged and the shape of K1170 appears to be partially distorted. The break edges between K1170 + K1269 appears to be an exact fit, the only slightly peculiar observation is that K1170 appears to have 3 grooves on the flanges whereas K1269 only has two. Perhaps this is obscured by the soil deposits. In all other respects the pieces join exactly.

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

**Purpose:** Study

**Aim:** Re- assembly and re-boxing

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

K1170 was further cleaned using IMS on cotton wool swabs. K1170 + K1269 were joined together using 30% W/V Paraloid B-72 in acetone applied with a fine paintbrush. K1154 did not join directly but appears to be of a similar style therefore was boxed together with the two newly joined fragments in 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.

A paper K label was adhered to K1154 using 30% W/V Paraloid B-72 in acetone applied with a fine paintbrush.

**06/10/2015- Lizzie Miller**

Now boxed with K179+K522+K2082+K837, K26

**Post-Conservation Condition/Findings:**

Item is fragmented and incomplete, all breaks seem original

**Key Features:**

- Silver cast hilt plates
- Grooves around the flange

**Analysis Undertaken:** N/a