CAT No. 379 and 380- Hilt Plates
K1141 K1180+K1217 (CAT 380), K13+K995 (CAT 379)
Condition Report

Conservation Started: 13/07/2015
Conservation Finished: 13/07/2015
Conservator: Others, Kayleigh Fuller
Time Taken: including digital photography, report, conservation and packing.

Dimensions:
K1180+K1141 +K1217 L-26mm x W-19mm x H- 4mm Th- 15mm
K995 +K13 L-35mm, W- 21mm, Th- 1.5mm
Weight before: K1180- 1.38g, K1141-0.56g, K1217-0.56g, K1217- 0.92g, K995-2.89g, K13-2.45g
Weight after: n/a

Digital photography: Taken with a Canon EOS 1100D digital camera, under daylight and with a Keyence VH-Z20R Digital Microscope, under artificial light. Taken before and after.

Annotation on any of the storage bags or boxes:
K13- BA 1971 SSH09 1002 XX 218(in triangle), 31/7/2009

Description*:*
Silver-alloy fragments from two ends of a cast hilt-plate which is twisted on one end. It has a curving flanged edge. The upper surface has remains of gilding. Both ends include part of a rivet hole. (CF)

Associated Objects: n/a

Pre-Conservation Condition: Visual and microscopic examination using Meiji BM 47941 stereo microscope 2-10x magnification.

Treatment: Carried out using a Meiji BM 46941 stereo microscope 2-10x magnification.
Purpose: Study / Analysis
Aim: Total cleaning, Re-assembly
Materials: Soft natural/synthetic brushes, thorn in pin vice/holder, 50:50 water/IMS on metals, cotton wool swabs, cocktail stick, IMS, 30:70 Paraloid B72/acetone, HMG Paraloid B72, Reemay Polyester netting 30gsm.

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. A mixture of 50% IMS and 50% water was used to soften the soil to facilitate removal. Loose particles of soil were then removed with a small swab of the IMS/water mixture. A swab of IMS was used to neutralise the surface.

The paper K number was adhered to the back with a mixture of 30% HMG brand Paraloid B72 (ethyl methacrylate copolymer) and 70% acetone, applied with a cocktail stick.

A storage box padded with white polyethylene foam was made for housing the object.

13/07/2015-K. Fuller
Fragments were adhered together using HMG Paraloid B72 and one on the pieces was supported further with Polyester netting and 20% w/v Paraloid B72 in Acetone.

Post-Conservation Condition/Findings: Remnants of three rivet holes on the two fragments, some encrustations and silver chloride corrosion on top of gilding on front. On one backside a small pin was attached to the surface, this may have been a casting pin or flaw; the pin was captured on a photo microscopic picture. Casting surface clearly visible on back.

13/07/2015- K. Fuller
K1180+K1141+K1217 and K995 +K13 separately adhered. Two fragments. Edges all appear to be original breaks.

Key Features:

- Cast silver
- Gilding

Analysis Undertaken: X-ray: L43, L44, L124, L22

Samples: One sample was taken, marked:

- Soil samples from each fragment

References:
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