

CAT Bo. 293- Hilt Plate
K780 +K1137
Condition Report

Conservation Started: 18.09.15

Conservation Finished: 21.09.15

Conservator: Lizzie Miller

Time Taken: 3 hrs

Including digital photography, report, conservation and packing.

Dimensions before:

K780: 54.1mm(L) 41.1 mm(W) 0.3mm(Th)

K1137: 59.8mm(L) 22.7mm(W) 0.3mm(Th)

Dimensions after: 61.0mm(L) 15.9mm(W) 0.3mm(Th)

Weight before:

K780: 2.90g

K1137: 2.98g

Weight after: 5.77g

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 and after.

Annotation on any of the storage bags or boxes:

K780: SSH09 84(in a triangle)

PN1971 27/7/09

K1137: BA1871 SSH09

Q9 1001 495(in a triangle)

13/8/09

Description: Visual and microscopic examination using Meiji stereo microscope 7-75x magnification
Two sections of a gold hilt plate, the edges are flanged. There are the remains of a rivet hole at each end of the two fragments. There also remains some filigree decoration surrounding the holes. Some of the wire is flattened and scratched. There appears to be what looks like gold solder blobs within the filigree semi-circle but this is to be confirmed. There also appears to be a deliberate marking out V like mark, see images.

Associated Objects: n/a

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

The surfaces show numerous scratch marks, some of these appears to be deliberate possibly working marks – some repeating parallel lines. Both fragments are severely bent. There are small tears around the edges.

Treatment: Carried out using a Meiji stereo microscope

Purpose: Study/display

Aim: Re- assembly

Materials: Soft natural/synthetic brushes, cotton swab, cocktail stick, thorn in pin vice/holder, 20% & 40% Paraloid B-72 w/v in acetone, acetone, Reemay Polyester netting 30gsm

The two fragments were joined using 40% Paraloid B-72 w/v in acetone. Because of the limited point of contact between the two fragments, the join was reinforced by adhering a small piece of polyester netting with 20% Paraloid B-72 in acetone on the reverse. A small amount of 20% Paraloid B72 in acetone was also adhered between the two fragments further along the object where K780 rests across K1137 to assist with supporting the initial fragile join.

A new storage box padded with white polyethylene foam was constructed to house 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.

12/11/2015- K. Fuller

Hilt plate was found fragmented. Re-adhered at break edge to re-assemble the object back together using 30% W/V Paraloid B72 in Acetone. A support backing of polyester netting was used across the break edge, adhered with 20% W/V Paraloid B72 in Acetone.

Post-Conservation Condition/Findings:

Join is very fragile, handle with care.

Key Features:

- Plain gold hilt plate

Samples:

See individual fragment reports

References: