

**CAT No. 184 and 185- Hilt Collars**

**CAT 184- K369**

**CAT 185- K19 + K430 + K537 + K1446a + K1446b + K1446c + K1446d + K1570 + K1589 + K2090 (K1608) + K2091 (K1667)**

**Condition Report**

*[K19, K430, K537, K1446, K1570, K1589, K2090, K2091]*

**Conservation Started: 11/06/015**

**Conservation Finished: 08/09/15**

**Conservator: Lizzie Miller**

**Time Taken: 25 hours**

Including digital photography, report, conservation and packing.

**Dimensions:**

**Weight before:**

K369 – 24.68g

K1872 – 0.30g (was previously K369a) 15.5mm (L) 4.0mm (W) 2.8mm (D) (Metal 0.5mm thickness)

K19 – 1.60g

K430 – 0.73g

K537 – 0.65g

K1446a – 0.39g

K1446b – 0.50g

K1446c – 0.1g

K1446d – 0.08g

K1589 - 0.04g

K1608 + K1667 (now renumbered to K2090 and K2091 respectively) (4 fragments, 2 joined already) – 0.04g, 0.16g, 0.16g

**Weight after:**

K369 (hilt collar) – 24.68g

K1872 (filigree fragment) – 0.30g

K19 etc. (hilt collar) 5.30g

Fragment that goes with hilt collar K19 but doesn't join directly: 0.16g

**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.

**Associated objects: TBC**

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

Two hilt collars; one is complete and the other very fragmented. The hilt collars are silver gilt and have incised decoration in the form of triangular indentations and bands of recessed lines with gilding. The decorative scheme is as follows (top to bottom):

2 rows of triangular indentations with the summits of the triangles facing each other

2 rows of recessed silver gilt lines  
(the above is repeated once, then)  
2 rows of triangular indentations with the summits of the triangles facing each other  
One recessed, gilded line with ridged decoration  
2 rows of triangular indentations with the summits of the triangles facing each other

A small gold filigree strip (K369a) is also present – this was previously found inside K369. Doesn't seem to fit with the style of the hilt collars – possibly relates to another object?

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

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

**Purpose:** Study and analysis

**Aim:** Re-assembly

**Materials:** Soft natural/synthetic brushes, thorn in pin vice/holder, IMS on metals, cotton wool swabs, cocktail stick, Paraloid B72 10% in acetone, 40% w/v Paraloid B72 in Acetone, Reemay Polyester netting 30gsm.

Fragments K537, K430, K19, K1570, K1446a, K1446b, K1446c, K1446d and K 1589 were joined together using 40% Paraloid (ethyl methacrylate copolymer) B-72 w/v in acetone applied with a paintbrush. Strips of polyester netting were used to give additional strength to the join between K1446a, K1446b, K1446d & K1589. They were adhered using 40% Paraloid B-72 w/v in acetone applied with a paintbrush.

K1589 was labelled with a paper K number adhered using 40% Paraloid B-72 w/v in acetone applied with a paintbrush.

K369 was boxed with the other collar.

**\*\*UPDATE 08.09.15:** Have located the 4 missing fragments from K1608 + K1667. The two that were joined together previously at the BM plus a smaller fragment have now been adhered to K537 etc collar. The 4<sup>th</sup> fragment does not join directly; however appears to belong to this group, so it was repackaged together with this collar.

15.10.15 LM: Chris Fern has renumbered K1608 to K2090, and K1667 to K2091

**Post-Conservation Condition/Findings:** see pre-conservation reports.

**Key features:**

- Set of two hilt collars
- The incomplete hilt collar is distorted
- One gold filigree strip (K369a) – may belong to another object

**Samples:**

Please see original condition reports

**Analysis:**