

K145 Condition Report

Conservation Started: 04/04/2013

Conservation Finished: 04/04/2013

Conservator: Cymbeline Storey

Time Taken: 2 hours

Including digital photography, report, conservation and packing.

Dimensions: (H) 11mm (L) rivet 22mm (W) 9mm

Weight before: 4.58g

Weight after: 4.50g

Catalogue number: 53

Digital photography:

Taken with a Keyence VHX-1000 3D digital microscope with LED and/or fibre optic lights, 20-200x magnification. Taken before and after.

Annotation on any of the storage bags or boxes: None

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

Gold dual rivet casing detached from a pommel cap. There are two barrel-shaped casings with a space between them. Each casing contains a gold, dome-headed pin. The casing has linear decoration on the top and sides.

Associated Objects: K808 (?)

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

The casing is detached from a pommel cap. There is patchy tarnish and a moderate amount of soil on all sides as well as multiple scratches and dents. There are a few small patches of unknown dark material on one of the casings.

There is a loop of metal protruding from one side; it is unclear at this stage if this is damage or a deliberate loop because of soil coverage.

There are two dome-headed rivets in situ. One is long and has a finished, blunt tip; the other is short and the end is an old-looking break. The pins are slightly bent but roughly straight.

There are a few distinct, old-looking scratches on the bottom and a dent on the bottom edge.

Treatment: Carried out using a Meiji stereo microscope

Purpose: Study

Aim: Total cleaning

Materials: Soft natural/synthetic brushes, thorn in pin vice/holder, IMS on metals, 50:50 water/IMS on metals, cotton wool swabs, cocktail stick, Paraloid B72

The granular soil on all sides 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.

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.

05/08/2015- K. Fuller

Boxed with K1167 and K808

Post-Conservation Condition/Findings:

The loop on the side of the object is where part of the side has peeled upward.

The back of the object can now be seen. It is heavily tarnished and scratched, and there is a raised lip around the soldering point where the casing joined the body of the pommel cap.

There are distinct, old-looking, regular scratches on the bottom of the object that might be working marks. There are also several distinct, old-looking scratches on the bottom and a patch of heavy, dark tarnish.

The front and sides of the object have numerous dents and scratches as well as some patchy orange to grey tarnish. There are a few patches of brown residue (corrosion product?) on the surface as well.

The pins are held in place with soil but do not appear to be in danger of falling out. **Handle with care.**

Key Features:

- Gold rivet casing from pommel cap (detached)
- Linear decoration on top and sides
- Two dome-headed gold pins in situ

Samples:

1. soil