

## K1167 Condition Report

**Conservation Started:** 12/10/10  
**Conservation Finished:** 14/0510/10  
**Conservator:** Deborah Cane  
**Time Taken:** 5 hrs

**Dimensions:** 32.6 mm (l.) x 13.4 mm (w.) x 19.1mm (h.)  
**Weight before treatment:** 13.84 g  
**Weight after treatment:** 13.10 g  
**Catalogue number:** 53

### **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

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

A pommel with either side (end) or part of the base edge missing. The ends of the pommel appear to have been cut where as the base edge has more of a torn appearance. Either side of the pommel have cloisonné patterns, one more geometric (all garnet side) and one more zoomorphic.

The top edge has one obvious garnet set, the opposite side may have a garnet but is obscured by soil.

### **Condition:**

It is suggested that the whole object has undergone some cleaning as the soil remains inside the pommel and across most of the cloisonné surfaces and one end. The top is relatively clean.

The top edge has a visible dint in the top of the gold and deeper scratches/marks on the curve down from the top, these reach over onto the side panels. These had soil within the marks suggesting pre burial. One garnet is visible but the other inlay areas is compacted with soil, each cut end is also covered with soil but some of the construction can be seen, this looks modular (see images).

The zoomorphic side shows the top of many cell walls but not all, the remaining areas are covered in soil as are the cells. At either side there is a strip of gold construction protruding from the main body.

**Associated Objects:** none noted

**After cleaning** many of the cells were found to contain inlays.

The zoomorphic side: the top square inlay being a red and white check Millefiori. Seven garnet cells, four of which have split garnets, five of which have visible foils behind, the other two being slightly cloudy. (31 possible cells in total). In the thin arch shaped argent cell it looks as if one can see a paste between the garnet and the foil, slightly discolored- TBC. Four foils are visible; it is possible to say two

cells have a 3x3 pressed square repeat pattern. Seven of the cells appear to be blanked with gold. ( see after image)

The geometric side: has 15 obvious cells or part cells, nine with garnets, three of which are split, each into three pieces. There is an obvious inclusion in the garnet left of the centre, a clear and black crystal inclusion. Foils are visible below all garnets. The left side of the panel shows construction as the cloisonné panel has separated from the top edging, suggestion it was made in pieces and assembled and the gold joins worked over (see after image)

The top edge, a matching garnet was found on the opposite edge, the removal of the soil from the ends shows a thin gold foil below the garnet and the construction around it (see after images).

All the gold surfaces show surface wear and numerous tiny scratches under x 10 magnification

### **05/08/2015- K. Fuller**

Boxed with K1167 and K145

#### **Treatment:**

Carried out using a Meiji stereo microscope with fibre optic lighting and 7x magnification. The soil was removed with thorn held in a pin vice, where the soil was particularly compacted, the soil was dampened with water. A fine brush was used to brush away some of the soil and then a tiny swab made on a plastic dental pick and water (just moist) was used to remove residue soil from the garnets and gold surfaces.

The base was flattened and one small organic residue on the top surface was removed and put in ot a tube. A paper accession label was attached to the base with Paraloid B72 in Acetone.

The soil was retained and placed in a labeled polypropylene (PP) sample container.

#### **Samples collected in small polypropylene (PP) containers:**

- 1: Soil removed from the surface
2. Small organic fragment

The paper K number was adhered to the interior surface with Paraloid B72 (ethyl methacrylate copolymer) from the tube, applied with a fine paint brush.

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.

