

## K1573 Condition Report

**Conservation Started:** 20/02/13

**Conservation Finished:** 20/02/13

**Conservator:** Natalie Harding

**Time Taken:** 2hours 30minutes

Including digital photography, report, conservation and packing.

**After renumbering by C. Fern the group was renumbered as follows:**

**K1573 A, B & E have kept the same accession number (K1573), catalogue number 674**

**K1573 C, D & F are now K2035, catalogue number 673**

### Dimensions:

A. (L) 3mm	-	Weight before: 0.00grams	No change to weights after
B. (L) 3mm	-	Weight before: 0.00grams	"
C. (L) 10mm (Head W) 2mm		Weight before: 0.09grams	"
D. (L) 14mm (Head W) 2mm		Weight before: 0.14grams	"
E. (L) 17mm (Head W) 4mm		Weight before: 0.17grams	"
F. (L) 14mm (Head W) 2mm		Weight before: 0.18grams	"

### 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.

**X-ray:** L45

**Annotation on any of the storage bags or boxes:** n/a

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

Rivets and rivet fragments in six individual gelatine capsules. Small to large = A – F (see renumbering above)

- A. Iron fragment.
- B. Small piece of wood.
- C. Silver alloy rivet. Circular domed head with cylindrical shaft. Bent in two places in the shaft, making a zigzag shape. Shaft is flattened on one side on the lower half. The shaft ends with an angular cut.
- D. Silver alloy rivet. Circular domed head with cylindrical shaft. Shaft bent about half way down. Shaft ends with an angular cut.
- E. Silver alloy rivet. Circular disk head which sits off centre with faceted shaft which tapers down into a point. This appears to be more of a nail in style.
- F. Silver alloy rivet. Circular domed head with slightly faceted cylindrical shaft. Shaft bent and curved half way down and at lower half of shaft. End of shaft cut at an angle.

**Associated Objects:** K1573: A, B, C, D, D, E, F.

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

All pieces stable.

- A. Hollow in centre and corrosion delamination.
- B. Not treated as this is a piece of wood – not part of an artefact.
- C. Cleaning revealed a ‘nick’ or cut in the shaft just below the rivet head.
- D. Silver nodular corrosion product and black silver tarnish in areas.
- E. Silver nodular corrosion product and black silver tarnish in areas.
- F. Possibly gilding on top of the rivet head.

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

**Purpose:** Study / Analysis

**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.

The soil covering the rivets 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.

Corrosion products were left in situ; corrosion was not active and can be further cleaned or stabilised at a later date.

As these pieces are so small, the paper K number was not adhered to the individual rivets.

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

**Post-Conservation Condition/Findings:**

Pieces A through to F required limited intervention. Excess soil was removed where possible.

All pieces have a covering of black silver tarnish. Rivets D and E are covered in the nodular silver corrosion product.

A.	(L) 3mm	-	Weight before: 0.00grams	No change to weights after
B.	(L) 3mm	-	Weight before: 0.00grams	“
C.	(L) 10mm (Head W) 2mm		Weight before: 0.09grams	“
D.	(L) 14mm (Head W) 2mm		Weight before: 0.14grams	“
E.	(L) 17mm (Head W) 4mm		Weight before: 0.17grams	“
F.	(L) 14mm (Head W) 2mm		Weight before: 0.18grams	“

**Key Features:**

- Rivets with faceted shafts.
- Rounded domed rivet heads.

**Analysis Undertaken:** n/a

**Samples:**

Not enough soil to obtain a significant sample size.

**References:** n/a