K1020 Condition Report

Conservation Started: 18-2-2013
Conservation Finished: 18-2-2013
Conservator: Suzanne van Leeuwen
Time Taken: 1 hour, including digital photography, report, conservation and packing.

Dimensions: (L) 15.5mm; (Diam. Head) 2mm; (Th. shank) 1.5mm
Weight before: 0.20g
Weight after: 0.20g
X-ray: L45
Catalogue number: 673

Digital photography: Taken with a Canon EOS 1100D digital camera, under daylight and with a Keyence VH-Z20R Digital Microscope, under artificial light. Taken before and after.

Annotation on any of the storage bags or boxes:
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Description: *Silver-alloy, domed-headed rivet with remains of gilding. Looks complete but may have been broken off at the end of the shank.* (Description SvL)

Associated Objects:

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Pre-Conservation Condition: Visual and microscopic examination using Meiji BM 47941 stereo microscope 2-10x magnification.

Treatment: Carried out using a Meiji BM 46941 stereo microscope 2-10x magnification.
The granular soil on the front and back was mechanically removed or reduced where possible using a fine thorn tip secured in a pin vice and a small pure bristle brush. A mixture of 50% IMS and 50% water was used to soften the soil to facilitate removal. Loose particles of soil were then removed with a small swab of the IMS/water mixture. A swab of IMS was used to neutralise the surface.

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

The paper K number was adhered to the back with a mixture of 30% HMG brand Paraloid B72 (ethyl methacrylate copolymer) and 70% acetone, applied with a cocktail stick.

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

Purpose: Study / Analysis
Aim: Total cleaning
Materials: Soft natural/synthetic brushes, thorn in pin vice/holder, 50:50 water/IMS on metals, cotton wool swabs, cocktail stick, IMS, 30:70 Paraloid B72/acetone

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

Post-Conservation Condition/Findings: In the middle of the shank there are two cracks, probably caused by too much pressure when the rivet was put in place. Gilding is especially present on top of the rivet head. Rivet head is solid and is part of the rivet as a whole.

Key Features: Silver-alloy, domed-headed rivet, gilding

Analysis Undertaken: X-ray: L45

Samples:
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References:
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