

ANCIENT MONUMENTS LABORATORY

REPORT

3145

SERIES/No	CONSULTANT
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TITLE	Wood replaced by iron corrosion products. Marc 3, R17, and R27.

Wood replaced by iron corrosion products. Marc3 R17 and R27

791537 7372 7428 119

Traces of replaced wood were found on the upper part of the knife blade. The wood appeared to be diffuse porous, with homocellular rays a few cells wide, faint spiral thickening and simple perforation plates. A commonly occurring family with these features is the Rosaceae, subfamily Pomoideae (e.g. Hawthorn). A sample was examined in the scanning electron microscope (S.E.M.). The film number is SEM 79, negatives 8-15.

791538 3670 3672 149

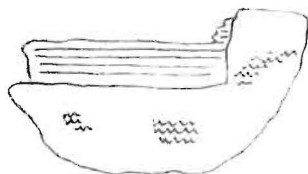
No definite traces of replaced wood were observed on this iron fragment.

791539 1045 1050 38

The iron nail displayed slight traces of unidentifiable replaced wood.

791540 820 821 383

This object was associated with remains of replaced wood and textile, as indicated in the sketch below.



Key:-

≡ wood
~ textile

Samples were examined in the S.E.M. (Film no. SEM 78 12-21, SEM 79 1-7).

Unfortunately, fewer features were observed than in the wood sample from 791537.

The wood could, however, possibly be from the Pomoideae.

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26/6/80