Ancient Monuments Laboratory Report 27/97

WALL PAINTING CONDITION AUDIT, TILBURY FORT, ESSEX

580

J Davies T Manning

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Summary

This condition audit of wall paintings at Tilbury Fort includes a wall painting record, general audit information, documentation of original materials and execution of the painting, and deterioration and damage including previously used materials and treatment, as well as proposals for treatment and monitoring strategies.

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ENGLISH HERITAGE



Tilbury Fort Essex

The following report has been generated by the Wall Painting Section database. This archival system provides a computerised record of all wall paintings in English Heritage Historic Properties and is intended to comprehensively document the collection. Each report has been subdivided into four sections to present the data in a clear format. These include:

1 Wall Painting Record:

Includes a description of the site and paintings, as well as archival information, such as bibliographic references and photographic records.

2 General Audit Information:

Describes any monitoring undertaken and a synopsis of future conservation requirements.

3 Technique:

Documents the nature and condition of the original materials and execution of the painting which is described according to its stratigraphy and any related analysis.

4 Deterioration and damage, added materials, treatment:

Deterioration and damage lists the types of alterations which may have occurred, that is either deterioration (natural alterations such as cracking or delamination) or mechanical damage (such as graffiti).

Added Materials documents all non-original materials present on or within a painting. These may include naturally occurring substances (accretions, such as dirt and dust) or deliberately added materials (coatings, coverings and repairs).

Treatment documents previous interventions and proposed treatment and monitoring strategies.

Throughout each section, an area of painting is assigned a number between 1 and 4 which is intended as a general indication of present condition. These are: 1 good, 2 fair, 3 poor, 4 unacceptable.

This report is based on information gathered prior to March 1996 and does not include any changes in condition, further research or treatment undertaken after this date. Amended editions will be produced as necessary.

1 Wall Painting Record

Property name	TILBURY FORT			
Region	Midlands	County	Essex	
Location of painting	Dead House			
Orientation	WEST WALL			
Century 17th	Date	Height (cm)200	Width (cm) 450
Subjects included				
Figurative				
Figure(s), male				

Description

Tilbury Fort was designed by Sir Bernard de Gomme (1620-85), Charles II's Chief Engineer and Surveyor General of the Ordnance. The present buildings were constructed on the site of earlier fortifications constructed for Henry VIII in 1539.

The strategic importance of Tilbury was its situation on a narrow bend of the Thames opposite Gravesend (which was also fortified with gun batteries) which provided a strong position from which to defend London from marine incursion.

The Landport Gate (in which the Dead House is situated) is constructed in Portland Ashlar. The Dead House is a rectangular room over the gate passage. It has a pyramidal tile roof and two square unglazed windows, each with a pair of wooden shutters. (Saunders, 1990:10)

The Dead House is thought to have been used as a morgue and infirmary for patients with infectious diseases. The painting/graffitti is thought to date from the seventeenth century.

The wall paintings comprise red line drawings of 'the head and shoulders of a man in seventeenth-century dress, smoking a clay pipe, with a full tankard in his other hand. Also outlined in red paint is an eagle-like bird.' (Saunders, 1990:10)

Photographic Record

29/6/94 EH 'current' contact photo files; no images of wall paintings. Images of graffitti requires search.

DOE negative search; Tilbury Fort 11-12-59 A5417/1-5 'Wall paintings in Dead House Tilbury Fort'

Bibliography

Saunders, A.D. 'Tilbury Fort, Essex', English Heritage Guide Book, London, first published by HMSO 1980, first published by English Heritage 1985, reprinted 1990.

2 General Audit Information

Property name Region	TILBURY FORT Midlands		County	Essex
Location	Dead House			
Orientation	WEST WALL			
Century 17th	Date	Height (cm)200	Width (cm)	450
Auditor(s)	TM/JD	Start date 23/02/95		
				·

Overall condition score 4

Recommendations

Structural repairs appear to be necessary.

The painted plaster requires urgent conservation treatment, but this work should be undertaken in conjunction with structural repairs. Removal of old unsuitable repairs is required, together with plaster consolidation, lime-based repairs and possibly cleaning.

[Timescale: 3 conservators, 1 month, as soon as possible].

3 Audit Information: Technique

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Property name	TILBURY FORT		
Region	Midlands		County Essex
Location	Dead House		
Orientation	WEST WALL		
Century 17th	Date	Height (cm)200	Width (cm) 450
Auditor(s)	TM/JD	Start date 23/02/95	
Overall Condi	tion Score 4		
<u>Stratigraphy</u>			
Layer type	Support Layer	Specific condition Score	e 4
Thickness	40 cm		
Comments			
many of the brick	The site is exposed and damp. s. The pointing appears to be re- in a cement-type mortar.		
Layer type	Render Layer 1	Specific condition Score	e 4
Thickness	2 cm		
Comments			
may suggest a low interesting mix wh binder. It is not cl	stered from floor level up to aroun ver lath/reed and plaster ceiling v nich includes red brick, grey stone ear whether the brick was includ y available aggregate.	which has been removed. e, chalk? and hair additives	The render is an s, probably in a lime
Layer type	Ground Layer 1	Specific condition Score	a 4
Thickness			
Comments			
A thin slightly pink	ish limewash ground appears to	be present.	
Layer type	Paint Layer 1	Specific condition Score	. 4
Thickness			
Comments			
Direct monochrom confirm). Identified pigmer	ne drawing, probably executed us nts Colours red	sing red earth pigment (nee	ed analysis to

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4 Audit Information: deterioration and damage, added materials, treatment

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Property n	ame	TILBURY FORT			
Region		Midlands		County	Essex
Location		Dead House			
Orientation	ı	WEST WALL			
Century 1	7th	Date	Height (cm)200	Width (cm)	450
DETERIC		AND DAMAGE			
Deteriorati	on phenom	ena			
Туре	delaminatio	on (render layer)			
Location	General.				
Comments	Extensive of	lelamination of rende	er and ground layers has oc	curred.	
Туре	salt activity				
Location	General.				
Comments	salts. White of the paint	e veils, pustules, cru and ground layers.	aused by the presence of n sts and deposits of sait are Powdering, delamination of occurred due to salt activity	present on the s render and	
Туре	cracking				
Location	Vertical - no	orth side: diagonal - s	south of centre.		
Comments			ome structural movement be ination of the fragile render		·
Mechanica	l damage				
Туре	nail holes				
	Noted on so	outh side.			
Location		e still present in the	wall. These nails are corroo	led and rusting.	
	Old nails an				
	graffitti				
Comments		orth side.			

ADDED MATERIALS

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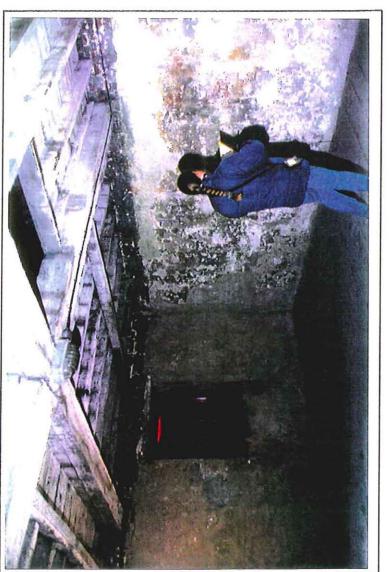
Accretions		
Туре	dirt	
Location	Surface.	
Comments	Considerable quantities of dirt are embedded in the painted surface which is dark, disfiguring and obscures the painting.	
Туре	dust	
Location	Surface.	
Comments	The room is extremely dusty and quantities of dust are adhering to the painted surface.	
Туре	cobwebs	
Location	Especially upper edge of render layer.	
Comments	Numerous cobwebs (many appear to be of some age) are present on the painted surface.	
Coatings/C	overings	
Туре	limewash	
Location	Noted on south side.	
Comments	Fragments remain of a 'grey' limewash coating which overlies the earlier painting. N.B. there is pencil graffitti over the 'grey' limewash on the south side of the wall. This graffitti appears to be relatively modern but its dating should be considered further.	
<u>Repairs</u>	·	
Туре	cement	
Location	South edge of wall, patches to centre and north side and at low level.	
Comments	Large and small repairs have been carried out in what appears to be an inappropriate cement-type mortar. Drips of what also appear to be a cement-type substance are present on the lower areas of the painting.	
Туре	modern plaster	
Location	Mainly upper edge, but also some small repairs.	
Comments	This mortar appears to be of lime gauged with a small part of cement. Unfortunately this mortar is very hard and therefore unsuitable.	

Туре	FILLS/REPAIRS INSERTION	Date	01/01/00	
Person	Unknown			
Comments	Repairs which appear to be lime gauged with a small amount of cement have been inserted at an unknown date. No record of this treatment has been found in the EH wall Painting Conservation records. The use of inappropriate hard mixes has failed to fully support and protect the original work.			
Proposed	Treatment			
Гуре	CLEANING	Date	23/02/95	
Person	TM/JD			
Comments	Cleaning could considerably impropriatings. If the original paintings it is vital to prevent immediate re- of dust presently in the room.	are to be clea	ned as part of conservation work	
Туре	CONSOLIDATION	Date	23/02/95	
Person	TM/JD			
omments	Plaster consolidation is required. utilised following analysis of the o		eatment would probably be	
Гуре	FILLS/REPAIRS INSERTION	Date	23/02/95	
Person	TM/JD			
omments	Many repairs are required to supp	ort vulnerable	areas of original plaster.	
Гуре	FILLS/REPAIRS REMOVAL	Date	23/02/95	
Person	TM/JD			
Comments	Unsuitable previous repairs should repair mortar should be removed prevent further deterioration from	from the origin		
		Date	23/02/95	
уре	STRUCTURAL REPAIRS			
ype erson	STRUCTURAL REPAIRS TM/JD			

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Dead House, general view to southwest

West wall, detail, man with pipe