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Ancient Monuments Laboratory Report 31/97

# WALL PAINTING CONDITION AUDIT, BRODSWORTH HALL, SOUTH YORKSHIRE

J Davies T Manning

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# WALL PAINTING CONDITION AUDIT, BRODSWORTH HALL, SOUTH YORKSHIRE

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# Summary

This condition audit of wall paintings at Brodsworth Hall 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



# Brodsworth Hall South Yorkshire

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.

# Contents

1 Drawing Room

# 2 Entrance Hall, Corridors, and Stairs

# **1 Wall Painting Record**

Property name	BRODSWORTH HALL		
Region	North	County	South Yorkshire
Location of painting	Drawing Room		
Orientation	CEILING		
Century 19th	Date	Height (cm	) Width (cm)
Subjects included			
Various decorative motifs	5		

#### Description

Charles Sabine Augustus Thellusson (1822-85) commissioned Brodsworth Hall after inheriting the estate of his great grandfather, Peter Thellusson, in 1859. Building, which involved demolishing an earlier Georgian mansion, commenced in 1861 and was largely completed by 1870.

The new hall was constructed according to the design of Chevalier Casentini, an Italian architect and sculptor, and the project was overseen by Philip Wilkinson. The original drawings and specification for works still survive.

# THE DRAWING ROOM

The ceiling, coving and cornice of the Drawing Room are ornately painted with arabesque ornamentation and bird motifs, in vivid pinks and greens with extensive gilding. There is no mention in the 1861 specification of this decorative scheme. Instead it describes satinwood graining for the woodwork, and that the walls were to be distempered. Therefore, the precise date of execution is unknown.

# Photographic Record

29/6/94 EH 'current' contact photo files; Drawing Room, ceiling detail, May 1990, J900142, J900143, J900145.

#### Bibliography

Fletcher, A.K.H. Brodsworth Hall and the Thellusson Family. A brief historical account etc., Museum and Arts Service Publication No. 55, Doncaster, n.d.

Girouard, M. The Victorian Country House, Yale University Press, (1985), p. 236.

Gordon-Smith, P. 'Welcome to Brodsworth Hall', English Heritage, 1990.

Internal Conservation Reports

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Babington, C. Brodsworth Hall: Proposals for the treatment of the painted decoration..., February 1993.

Hemmett, R., The conservation and treatment for the Drawing Room ceiling at Brodsworth Hall, December 1992.

Hughes, H. and Babington, C. Brodsworth Hall, Yorkshire: Preliminary report on the condition of the painted decoration, unpublished report, English Heritage, May 1991.

Manning, T. and Sawdy, A., Conservation and examination of the painted ceiling, the Drawing Room, Brodsworth Hall, October 1993.

# 2 General Audit Information

Property name	BRODSWORTH HALL		County	South Yorkshire
Region	North			
Location	Drawing Room			
Orientation	CEILING			
Century 19th	Date	Height (cm)	Width (cm)	)
Auditor(s)	JD/TM	Start date 10/02/95		

# Overall condition score 2

# Recommendations

The ceiling of the Drawing Room appears to be relatively unchanged since conservation work was carried out two years ago.

The staff at Brodsworth Hall have been extremely vigilant in monitoring the condition of the scheme, as some flaking was noted recently while work was being undertaken to the floor above. The flaking appears to have been directly related to this work (which was halted shortly thereafter) and has not reoccurred. It is hoped that staff will continue to monitor the condition of the ceiling.

Any further cosmetic conservation work should only be part of an overall programme dictated by curatorial policy.

# **3 Audit Information: Technique**

Property nam	e BRODSWORTH H	IALL		
Region	North		County	South Yorkshire
Location	Drawing Room			
Orientation	CEILING			
Century 19th	Date	Height (cm)	Width (cm)	
Auditor(s)	JD/TM	Start date 10/02/95	·	
Overall Cor	ndition Score 2			
Stratigraphy				
Layer type	Support Layer	Specific condition So	ore 2	
Thickness	? cm			
Comments				
However, as ir is extensive cr which is direct plaster bed. Th there is no sag	as not been examined directly nother areas of the building, it acking around the ceiling rose ly related to movement of the nese cracks follow the shape o Iging or bulging and the ceiling	is likely to be of lath and plas (and running from the centre support and the consequent s f the timber structure behind appears sound.	ster construction towards the co stress imposed o the plaster. How	n. There rners) on the vever,
	ory of infiltration to the souther with new plaster replicas.	ast and southwest corners, ar	id they have rec	ently
Layer type	Render Layer 1	Specific condition So	ore 2	_
Thickness	? cm			
Comments				
	nal Specification for Brodswor are made of brick, and rende			

is a hanging split lath and plaster construction.' (Manning & Sawdy 1993:3, n.4)

Layer type	Ground Layer 1	Specific condition Score	2
Thickness			

# Comments

Recent analysis has shown a lead white ground to be present, in one or two layers: 'In all of the samples... [lead] appears to be only part of an admixture with another (as yet unidentified) white pigment... Further analysis is required to investigate whether this may be a quartz white, or possibly a barium, zinc or titanium white'. (Manning & Sawdy 1993)

Identified pigments	Colours
white lead	white
	white

# Analysis undertaken

Method	POLARIZING LIGHT MIC	ROSCO	γ
Person	Manning & Sawdy	Date	01/10/93

Comments

# Paint Layer 1

Specific condition Score

2

# Layer type Thickness

# Comments

Several types of preparatory techniques were employed in the execution of the painted ceiling: 'Cartoons were used for the figurative areas of the ceiling decoration. For example, within the small pink grisaille scenes on the ceiling, the design was transferred by 'pouncing' with carbon powder through a pricked cartoon...for larger figures, such as the putti and the birds, an underdrawing was directly made on the surface of the ceiling before painting.This as done using pencil in a rapid freehand technique on a dry surface.' (Manning & Sawdy 1993:5)

The palette used in the Drawing Room is remarkably vivid, employing a wide range of pigments. Limited analysis undertaken in 1993 has revealed the presence of certain pigments, but full analysis has yet to be undertaken.

'The pinks, originally throught to be a lake, such as rose madder, instead appear crystalline. Polarized light microscopy work...has indicated the presence of red lead and vermilion. The examination of the blue and green pigments in dispersion has so far proved inconclusive; however, the presence of lead white and yellow ochre as an admixture was noted.

The pigments are generally simply applied, mixed with lead white, in a single layer on a leadbased white ground, though the possibility of a wet-in-wet technique has been suggested by the appearance of some of the samples.' (Manning & Sawdy 1993:5)

'The organic binder for the pigments, which is as yet unconfirmed (by stain tests and fluorescence under ultraviolet light) would appear to be an oil, on the basis of empirical observations.' (Manning & Sawdy 1993:4)

•	ng a Gawuy 1995.4)		
Identified pigments	Colours		
vermilion	red		
red lead	red		
white lead	white		
yellow earth	yellow		
	blue		
	green		
	yellow		
	purple		
	pink		
	brown		
	black		
Layer type Atta	chment 1	Specific condition Score	2
Thickness			
Comments			
Gilding.			
Identified niamonta	Colours		
Identified pigments			

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

Property n	ame	BRODSWORTH H	IALL		
Region		North		County	South Yorkshire
Location		Drawing Room			
Orientation	1	CEILING			
Century 1	9th	Date	Height (cm)	Width (cm	)
DETERIC	RATION A	ND DAMAGE			
Deteriorati	on phenome	ena			
Туре	cracking				
Location	Entire ceilin	ıg			
Comments	subsidence.	. Cracks follow patte	y due to structural mover rns that indicate very clea lation to the timber suppo	arly the strain imp	osed on
Туре	flaking				
Location	SE corner (within pink) and NW quarter (white)				
Comments	work on the		m?) in these areas, cause noted by staff. The work d.		
Туре	loss				
Location	Gilded band	ling			
Comments	Several are	as of gilded plaster s	strips are lost.		
Туре	loss				·····
Location	SW and SE	corners			
Comments			infiltration and subseque are removed and replace		

# ADDED MATERIALS

# Accretions

Ć

Туре	dirt
Location	Entire
Comments	Dirt - now ingrained in surface - which was not fully removed during past cleaning treatment.
Туре	dust
Location	Entire
Comments	General accretion of dust, more recently due to the stone conservation work being undertaken on the exterior of the drawing room. This has meant the windows on the south side have had to be sealed temporarily.

# <u>Repairs</u>

Туре	modern plaster
Location	SE and SW corners
Comments	Both corners were replaced with plaster replicas early in 1993.

# TREATMENT

 $( \ )$ 

Туре	FLAKE FIXING	Date	01/12/92		
Person	EH Conservation Studio/ R	F Hemmett			
Comments	<ul> <li>s The southeast and southwest corners were treated before they were to be replaced with plaster replicas in 1993. RF Hemmett, in his report of December 1992, stated: 'Before "facing", reattachment of the flaking paint was necessary Lens tissue was applied over the flakes and attached with water; the softened flakes were pressed back into place. A wetting agent of alcohol:water was injected behind the flakes and Plextol B500 (20% in water) brushed through the tissue. The lens tissue and Plextol was removed from the surface of the paint layer with moisture.'</li> </ul>				
Туре	PRE-CONSOLIDATION	Date	01/12/92		
Person	EH Conservation Studio/ R	F Hemmett			
- ominents	The southeast and southwest corners were treated before they were to be replaced with plaster replicas in 1993. RF Hemmett, in his report of December 1992, stated: 'The ceilings, coving, cornice and frieze are to be replastered. The degraded plaster in these areas will be removed and replaced and a small area of the coving will be affected. To prevent damage to the arabesque and stencil design in these areas, a protective facing tissue has been attached to these areas to protect them while the replastering work takes place After fixing the paint layer the SE/SW corners were "faced" with Eltoline tissue attached with Beva 371 (30% in white spirit).'				
	nent				
<u>Past Treatr</u>			01/01/93		
	FILLS/REPAIRS INSERTIO	N Date	01/01/30		
Туре	FILLS/REPAIRS INSERTIO EH/ Site contractors	N Date	01/01/30		
<u>Past Treatr</u> Type Person Comments		SW corners were repl			
Type Person Comments	EH/ Site contractors The cornices of the SE and (possibly gypsum?) early in	SW corners were repl			
Type Person Comments <u>Past Treatn</u>	EH/ Site contractors The cornices of the SE and (possibly gypsum?) early in	SW corners were repl			
Type Person	EH/ Site contractors The cornices of the SE and (possibly gypsum?) early in ment	SW corners were repl 1993. Date	aced with plaster replicas		

Past Treatment

Туре	FLAKE FIXING	Date	01/08/93
Person	EH Conservation Studio/ under A. B	luckley	
Comments	3/93 - 8/93: Conservation work carri S. Paine, S. Broadbent, A. Sawdy a of A. Buckley, included the fixing of coving. Flaking was worst within the The conservation treatment was bas 'The fixing of flakes was achieved solution of acetone and white spirit ( proprietary product) solution of Plex into place using a cotton wool pad, of achieved using a rubber roller over blacks.	nd T. Mann f macro-flak coving aro sed on that by pre-wetti (50:50) and tol B500. Th or where po	ing, under the general supervision ing throughout the ceiling and und the SE, SW and NW corners. used in the corridor (GC8). ng an area by injection of a by injection of a 15% (percent of ne flakes were then eased back ssible satisfactory results were

# Past Treatment

CLEANING Type

Date

EH Conservation Studio/under A. Buckley Person

Comments 3/93 - 8/93: Conservation work carried out over the course of several months by S. Paine, S. Broadbent, A. Sawdy and T. Manning, under the general supervision of A. Buckley, included a light dusting of the ceiling and cornices. Gilded areas were partially cleaned using swabs and a distilled water: acetone (1:1) solution.

# Past Treatment

PRESENTATION/REINTEGRATION Date Type

03/08/93

02/08/93

EH Conservation Studio/ under A. Buckley Person

Comments Reintegration was carried out by A. Sawdy and T. Manning, under the general supervision of A. Buckley, and in accordance with the general policy of minimal intervention.

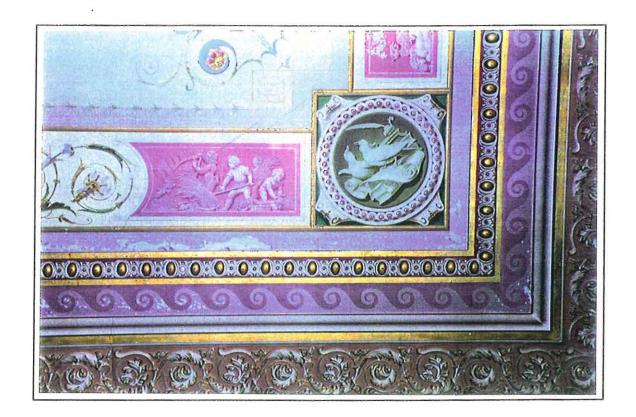
'As a general policy of minimal intervention has been adopted at Brodsworth, it was decided to merely subdue the brightness of losses within the paint layer by the application of a pigment wash slightly lighter in tone than the original. However, plaster repairs made to the southeast and southwest corners of the cornice presented more of a problem... As the cornice is an element which functions to unify the room, it was necessary to reintegrate these areas more closely to the original, but so that they would still remain visible as repairs from the ground.' (Manning & Sawdy 1993:8) These repairs were sanded down and sealed with a 30% solution of Plextol B500. Dry pigment was mixed with Plextol B500 (2.5% in water) and applied by brush. 'To achieve a uniformity in the reintegration on both old and new surfaces a buff-coloured base coat was first applied to the new plaster... Two applications of each colour were then made, and the surface stippled with non-absorbent cotton wool to remove brush marks and imperfections.' (Manning & Sawdy 1993:8)

Losses to the paint layer, where the original plaster was exposed, were treated slightly differently. 'The surface of the original plaster was initially sealed with a solution of 2.5% Plextol B500 (percentage proprietary product in water), and then a single layer of colour wash was applied (loose pigment bound in 2.5% Plextol). The intention was to use as low a concentration of Plextol as possible, and to minimize the number of applications to that sufficient to achieve a reduction of the brightness of the losses. It was intended that these losses should remain visible from the ground.' (Manning & Sawdy 1993:8)

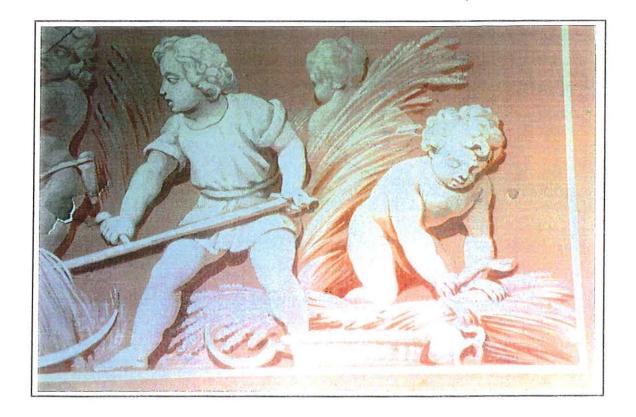
# Past Treatment

Туре PRESENTATION/REINTEGRATION Date 01/01/94 Person EH Conservation Studio/ under A. Buckley Comments Further reintegration was undertaken in late 1993/early 1994. An area of complete loss in the coving of the SE corner, which had been left during the 1993 treatment with only a buff-coloured retouching, was more fully reintegrated by joining the pink decorative elements on either side of the losses. On the east coving, towards the NE corner, a heavily abraded area within the green stencil pattern was more deceptively retouched to improve the continuity of the coving. The work was carried out by Elizabeth Rose under the supervision of the Conservation Studio. Proposed Treatment Type MONITORING CONDITION Date 06/02/95 Person TM, JD Comments The Drawing Room appears to be relatively stable, and so far the staff at Brodsworth Hall have been extremely vigilant in monitoring the condition of the ceiling. Any further cosmetic conservation work should only be part of an overall programme dictated by curatorial policy.

Page 5 of 5



Drawing Room, ceiling, detail, before conservation in 1993



Drawing Room, ceiling, detail

# 1 Wall Painting Record

Property name	BRODSWOR	TH HALL			
Region	North		County	South Yorkshire	
Location of painting	Hall, corridors	and stairs.			
Orientation	CORRIDORS	ARE ORIENTATED EAST-W	EST.		
Century 19th	Date	1870	Height (cm	)0 Width (cm)	0
Subjects included					
Various decorative motif	s				

# Description

Charles Sabine Augustus Thellusson (1822-85) commissioned Brodsworth Hall after inheriting the estate of his great grandfather, Peter Thellusson, in 1859. Building, which involved demolishing an earlier Georgian mansion, commenced in 1861 and was largely completed by 1870.

The new hall was constructed according to the design of Chevalier Casentini, an Italian architect and sculptor, and the project was overseen by Philip Wilkinson. The original drawings and specification for works still survive.

# THE HALL, CORRIDORS AND STAIRCASES

The walls of the entrance hall, most of the corridors, and the back staircase are painted with fictive marble panels, originally pinkish in colour (to imitate Siena marble). Scagliola columns (also pink) are used to accentuate the doorway into the main staircase and frame various pieces of free-standing sculpture.

The main staircase contains further painted panels imitating stone such as Verde Antique, Rosso di Verona, and porphyry.

# Photographic Record

Bibliography

Fletcher, A.K.H. Brodsworth Hall and the Thellusson Family: A brief historical account etc., Museum and Arts Service Publication No. 55, Doncaster, n.d.

Girouard, M. The Victorian Country House, Yale University Press, (1985), p. 236.

Gordon-Smith, P. 'Welcome to Brodsworth Hall', English Heritage, 1990.

Internal Conservation Reports

Hughes, H. and Babington, C. Brodsworth Hall, Yorkshire: Preliminary Report on the Condition of the Painted Decoration, unpublished report, English Heritage, May 1991.

# **2** General Audit Information

Property name	BRODSWOR	TH HALL		County	South Yorkshire
Region	North				
Location	Hall, corridors	and stairs	5.		
Orientation	CORRIDORS	ARE ORI	ENTATED EAST-WEST.		
Century 19th	Date	1870	Height (cm)0	Width (cm)	0
Auditor(s)	TM/JD		Start date 07/02/95		

# Overall condition score 3

# Recommendations

The staff at Brodsworth Hall have been extremely vigilant in monitoring the condition of the painted decoration.

In general the condition of the decoration is fair (Condition Score 2). However, the flaking and delamination of the paint and ground layers appears serious in certain areas and should be addressed as soon as possible (Condition Score 3).

Further flake fixing to the following areas is required: GC1- S. and E. walls; FC1- S. and E. walls; FC3 - N. wall below windows; FC9 - E. wall; FC10 - W.wall, N.end (n.b. wood graining to door rebate to Bedroom 15); GC8 (stairs to FC8) N. and S. walls; GC9 - E. wall, above and S. of lift door.[Timescale: 2 conservators, 4 weeks].

In addition, some deterioration of the render layer 1 has occurred apparently following moisture ingress. The following areas should therefore be examined and treated accordingly: GC1- S. wall, west of fireplace, low level; GC2 - W. wall, above door to corridor (mechanical damage); FC1 - crack over door; FC3 - esp. N. wall, below window 1 and S. wall above door to bedroom 8; FC9 - E. wall; FC10 - S. of door to FC11; FC8 (stairs to GC8) - E. wall, below window.

Also, probably because of the vast extent of wall space covered over the past few years' conservation work, areas of retouching are not always consistent. The corridors could be reviewed as a whole, in order to give these retouchings a more homogeneous appearance. Various areas (around new power points, repairs, etc) should be reintegrated with their surroundings. Any further cosmetic conservation work should only be part of an overall programme dictated by curatorial policy.

# **3 Audit Information: Technique**

Property name	BRODSWO	RTH HALL			
Region	North			County	South Yorkshire
Location	Hall, corrido	ors and stail	rs.		
Orientation	CORRIDOF	RS ARE OR	IENTATED EAST-WEST.		
Century 19th	Date	1870	Height (cm)0	Width (cm)	)
Auditor(s)	TM/JD		Start date 07/02/95		
Overall Cond	ition Score	3			
<u>Stratigraphy</u>					
Layer type	Support Layer		Specific condition Sco	ore 2	······
Thickness					
Comments					
	irrently being restore being replaced.	d. The sto	ne appears to be vulnerabl	e to decay and	
Several parts are	being replaced.				
Layer type	Render Layer 1	· <u>····</u> ·	Specific condition Sco	ore 2	
•	<u> </u>		Specific condition Sco	ore 2	
Layer type	Render Layer 1		Specific condition Sco	pre 2	
Layer type Thickness Comments Appears to be a specification stat to be in Parien'.	Render Layer 1 ? cm lime-based plaster, w es 'the whole of the p Parien is an anhydro	plastering ir us gypsum	Specific condition Sco smooth compact finish. T the Entrance Hall, both th plaster, with the addition o es alum for this purpose).	he 1861 buildin le walls and the	ceiling
Layer type Thickness Comments Appears to be a specification stat to be in Parien'.	Render Layer 1 ? cm lime-based plaster, w es 'the whole of the p Parien is an anhydro	plastering ir us gypsum	smooth compact finish. T the Entrance Hall, both th plaster, with the addition o	he 1861 buildin le walls and the of borax as a se	ceiling

# Comments

A cross-section from GC8 shows a white 'undercoat' [ground?] below a thin layer of paint. This may represent a ground applied by the painter/decorators who undertook the marbling. However, the 1861 building specification makes reference to the plasterers whitening the ceilings. (Hughes and Babington, 1991; n.p.) It would be most unusual for oil-based paint to be applied without sealing the plaster and applying a ground layer.

# Analysis undertakenMethodPOLARIZING LIGHT MICROSCOPYPersonHughes,BabingtonDate01/05/91CommentsSample 1 from GC8. A thin paint layer was noted.

## Paint Layer 1

2

# Layer type Thickness

#### Comments

The marbling shows a sophisticated and subtle painting technique, closely imitating porphyry, serpentine and pink Sienna marble (the Sienna marble now appears orange due to the presence of a discoloured varnish layer). A cross-section from GC8 shows 'a thin layer of the painted marbled decoration'. (Hughes & Babington, 1991; n.p.). The building specification 1861 records the walls of the Entrance Hall, Corridors, main passages and staircases were to be 'painted five times and finished in imitation marble by hand as directed and twice varnished with best copal." (Hughes & Babington, 1991; n.p.) Colours include pink, green, brown, red, black and white.

Identified pigments	Colours
	pink
***	green
	brown
***	red
	black
	white

#### Analysis undertaken

Method	POLARIZING LIGHT M	IICROSCO	РҮ	
Person	Hughes,Babington	Date	01/05/91	
Comments	Sample 1 from GC8. A paint layer was noted.	thick coat (	or possibly two coats) of disc	ploured varnish over the
Laver type	Paint Layer 2		Specific condition Score	2

Layer type Paint Layer 2 **Specific condition Score** 

# Thickness

#### Comments

Pencil lines provide edges for the trompe l'oeil 'marble slabs'.

Identified pigr GRAPHITE	ments Colours BLACK			
Layer type	Paint Layer 3	Specific condition Score	2	

# Thickness

#### Comments

Paint layer 3 refers to the final application of varnish, probably copal, as part of the original marbling technique. The building specification of 1861 records the walls of the Entrance Hall, Corridors, main passages and staircases were to be 'painted five times and finished in imitation marble by hand as directed and twice varnished with best copal.' (Hughes & Babington, 1991; n.p.) A cross-section from GC8 shows 'a thick coat of varnish applied over the marbling'. (Hughes & Babington, 1991; n.p.). The strongly discoloured varnish present on the marbling today is probably the original varnish application.

#### Analysis undertaken

Method	POLARIZING LIGHT MIC	LIGHT MICROSCOPY			
Person	Hughes, Babington	Date	01/05/91		
Comments	Sample 1 from GC8. A th paint layer was noted.	lick coat (	(or possibly two coats) of discoloured varnish over t		

the

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

Property n	ame	BRODSW	ORTH HALL			
Region		North			County	South Yorkshire
Location		Hall, corrid	ors and stair	S.		
Orientation	ı	CORRIDO	RS ARE OR	IENTATED EAST-W	EST.	
Century 1	9th	Date	1870	Height (cm)0	Width (cm	1) 0
DETERIO			AGE			
Deteriorati	on phenome	ena				
Туре	flaking					
Location	Many areas locations.	are affected	l, especially	low level. See comr	ments below for de	etails of
Comments	indicating th following ar GC1- S. and E. wall; FC1	hat the under eas is require d E. walls; Fe 10 - W.wall, I	'lying cause i ed: C1- S. and E N.end (n.b. w	, obviously further d s still active. Furthe . walls; FC3 - N. wai /ood graining to door GC9 - E. wall, above	r flake fixing to th I below windows; i r rebate to Bedroo	e FC9 - m 15);
Туре	delaminatio	n (render lay	ver)			
Location				ion were noted durin Iments below for det		e have
Comments	moisture ing mechanical examined a GC1- S. wai (mechanical and S. wall	gress, howev damage cau nd possibly II, west of fire I damage); F	er some of the sed by inser further conse eplace, low le C1 - crack o o bedroom 8	er 1 has occurred ap he damage listed be tion of fixings. The fo blidation undertaken: evel; GC2 - W. wall, ver door; FC3 - esp. ; FC9 - E. wall; FC1 vindow.	low is the result of ollowing areas sho above door to cor N. wall, below wir	ould be rridor ndow 1
Туре	cracking					
Location	Various, see	e for example	e; Entrance H	Hall (GC1) - S. wall, '	W. of fireplace.	
Comments	'Alligatoring'	of paint film	i, usually a p	henomenon associal	ted with drying.	
Туре	coating - de	terioration				
Location	Entire.					
	varnish (alth	ough this is scoloured co	not certain w	bling appears to be t rithout analytical inve nd now gives the imi	estigation). The va	rnish

Туре	photodeterioration			
Location	Entire.			
Comments	Fading and bleaching of the discoloration in the varnish (and paint layers?) has occurred where the layers are exposed to light. In areas normally covered by pictures etc. the varnish (and paint ?) has a much darker colour.	_		
Туре	coating - deterioration			
Location	General.			
Comments	Minor cracking/shrinkage of the varnish layer has occurred in many areas. The varnish has cracked slightly forming 'islands' of approximately 15 cms diameter.			
· · ·	varnish has cracked slightly forming 'islands' of approximately 15 cms diameter.			
Mechanica				
<i>Mechanica</i> Type Location	I damage			
Type Location	<i>I damage</i> insertions			
Type Location Comments	I damage insertions Various, low level, associated with insertion of new electrical points c. 1994. The house curator, Caroline Whitworth, is planning to have these damages			
Type Location	I damage insertions Various, low level, associated with insertion of new electrical points c. 1994. The house curator, Caroline Whitworth, is planning to have these damages minimally retouched.			

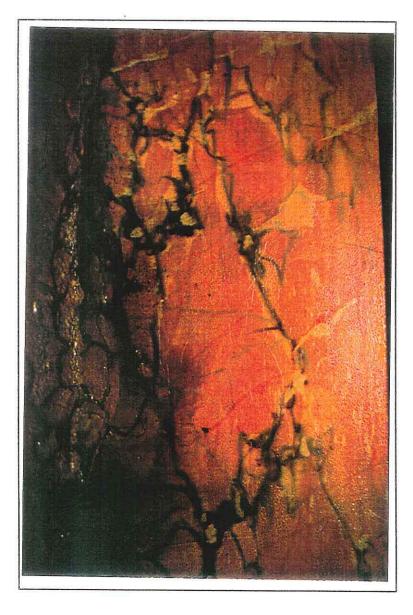
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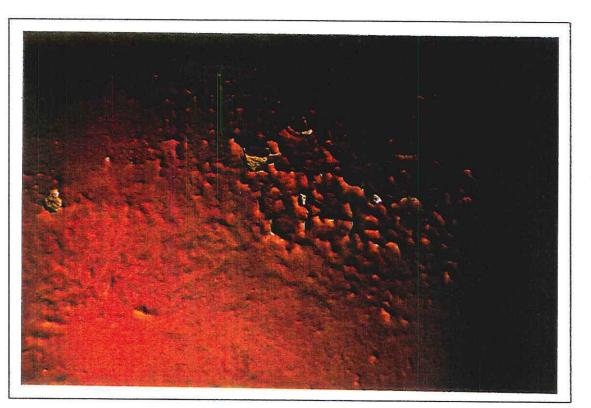
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# <u>Past Treatment</u>

Туре		ate	01/10/91
Person	C. Babington/EH contractors		
	Surface cleaning to remove accumulated soap (ie. a non synthetic detergent of fat sponge or brush and rinsed from the surf	ty acids). The	soap was applied with a
Туре	FLAKE FIXING Da	ate	01/10/91
Person	C. Babington/EH contractors		
Comments	Flake fixing involved an initial injection of behind the flake. After which Plextol B50 the flake. The flakes were readhered by over the treated area and pressed back v	0 at 15% in wa positioning a	ater was injected behind pad of absorbent paper
Туре	PRESENTATION/REINTEGRATION Da	ate	01/10/91
Person	C. Babington/EH contractors		
Comments	Losses have been infilled by retouching i general colouring of the surrounding mar		ues sympathetic to the
Proposed 1	Treatment		
Туре	FLAKE FIXING Da	ate	07/02/95
Person	TM/JD		
Comments	Follow through 'Phase 1, "Conserve as fo soon as possible.	ound" policy'.	Two people, one month, as
Туре	MONITORING CONDITION Da	ate	07/02/95
Person	TM/JD		
Comments	Routine visual monitoring is required. Cu		
	undertake this work and request expert a	ssistance whe	n necessary.
			n necessary. 07/02/95
Type Person	undertake this work and request expert a		





First floor, corridor, detail of typical flaking found throughout the marbled decoration, in raking light

Entrance hall, detail of marbling