


**THE ROYAL GUNPOWDER FACTORY**

**WALTHAM ABBEY**

**The Barges**




# THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 101	N.G.R. TL 37535 01972
NAME/FUNCTION Barge		START DATE	END DATE
			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) RCHME101 206/I/17 01 Feb 1993 Barge from South West RCHME101 206/T/9 17 Mar 1993 Barge from West  2) BB92/26160 RCHME101 Barge adjacent to 76 view BB92/26364 Drawing of covered boat BB92/26458 WASC 901/205 Plan & Section of Swim ended barge WASC 901/121 Barrelling Up/Heading house 29.1.1858	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH:			
CONDITION     Fair			
DESCRIPTION 1)     CONSTRUCTIONAL MATERIAL Timber  2)     ROOF MATERIALS AND STRUCTURE Timber  3)     POWER SOURCE Muscle  4)     DIMENSIONS i) L 8.2m ii) W 2m iii) HT 1.85m  5)     The barge is carvel built with copper nails it has a flat bottom. The central section of the barge is covered by a barrel shaped superstructure, partly retaining its canvas and hide covering. It was entered through doors fitted with brass furniture from either end. Explosives were loaded into barge through central openings on either side of the barge.  Historic artifacts - Any metal fitting and a representative sample of copper nails.			

## THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 104	N.G.R. TL 37607 01883
NAME/FUNCTION Barge		START DATE	END DATE
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) 206/H/25 02 Feb 1993 Barge from South 206/H/26 02 Feb 1993 Barge from South East 206/T/16 17 Mar 1993 Barge from South  2) BB92/26163 RCHME104 Barge view from South West BB92/26170 RCHME104 Barge & Bridge view from South East BB92/26180 RCHME104 Barge view from West (Colour) BB92/26181 RCHME104 (Colour) Barge & Bridge view from South East	
RELATIONSHIPS WITH OTHER MONUMENTS			
ASSOCIATED WITH:			
CONDITION      Fair			
DESCRIPTION 1)      CONSTRUCTIONAL MATERIAL Timber  2)      ROOF MATERIALS AND STRUCTURE Timber  3)      POWER SOURCE Muscle  4)      DIMENSIONS i) L 10.5m ii) W 2.62m iii) HT 2m  5)      The barge is carvel built with copper nails, it has a flat bottom. The central section of the barge is covered by a barrel shaped superstructure, entered through doors fitted with brass furniture from either end. Explosives were loaded into barge through central opening on either side of the barge  Historic artifacts - Any metal fittings and a representative sample of copper nails.			

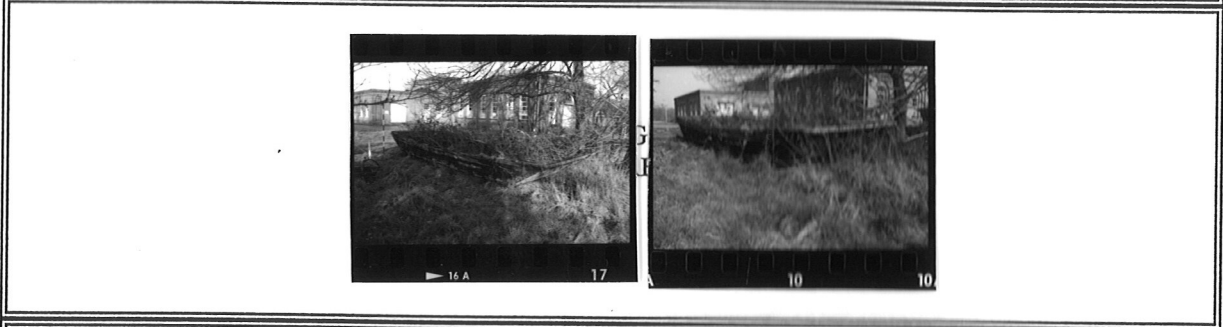
# THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 121	N.G.R. TL 37784 01104
NAME/FUNCTION Swim ended barge		START DATE	END DATE
			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) 206/J/13 4 Mar 1993 From South West 206/Q/24 16 Mar 1993 Swim ended barge from North East	
RELATIONSHIPS WITH OTHER MONUMENTS			
ASSOCIATED WITH:			
CONDITION      Fair			
<p>DESCRIPTION</p> <ol style="list-style-type: none"> <li>1)      CONSTRUCTIONAL MATERIAL          Timber</li> <li>2)      ROOF MATERIALS AND STRUCTURE          -</li> <li>3)      POWER SOURCE          Muscle</li> <li>4)      DIMENSIONS i) L 6.15m ii) W 2.5m iii) HT 0.8m</li> <li>5)      The swim ended barge is carvel built with brass nails and survives to gunwale height. The bottom of the swim ended barge is reinforced with angle irons and metal sheet over a thick ?felt.</li> </ol> <p>Historic artifacts - any metal fittings and a sample of nail types</p>			

**THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY**

NUMBER	OLD SERIES	RCHME NUMBER 125	N.G.R. TL 37715 00997
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NAME/FUNCTION Swim ended barge	START DATE	END DATE
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CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES
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PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/J/17 4 Mar 1993 Swim ended barge from South West 206/L/10 09 Mar 1993 Swim ended barge from South West 2) BB92/26216 RCHME 125 Swim ended barge view from South West.
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RELATIONSHIPS WITH OTHER MONUMENTS
ASSOCIATED WITH:

CONDITION Fair
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DESCRIPTION
1) CONSTRUCTIONAL MATERIAL Timber
2) ROOF MATERIALS AND STRUCTURE -
3) POWER SOURCE Muscle
4) DIMENSIONS i) L 6.78m ii) W 2.2m iii) HT 0.75m
5) The swim ended barge is carvel built with brass nails and survives to gunwale height. The bottom of the swim ended barge is reinforced with angle irons and metal sheet.  Historic artifacts - any metal fittings and a sample of copper nail types.

**THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY**

NUMBER	OLD SERIES	RCHME NUMBER 157	N.G.R. TL 37636 01487
NAME/FUNCTION Swim ended barge		START DATE	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) BB92/26222 View from South East	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 158, RCHME 159, RCHME 160			
CONDITION      Poor			
<p>DESCRIPTION</p> <p>1)      CONSTRUCTIONAL MATERIAL          Timber</p> <p>2)      ROOF MATERIALS AND STRUCTURE          -</p> <p>3)      POWER SOURCE          Muscle</p> <p>4)      DIMENSIONS i) L 8.6m ii) W - iii) HT -</p> <p>5)      The swim ended barge lies submerged up to its gunwales in a derelict canal. The swim ended barge is carvel built with copper nails, part of its barrel shaped roof remains.</p> <p>         Historic artifacts: Any metal fittings and a representative sample of copper nails.</p>			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER	OLD SERIES	RCHME NUMBER 158	N.G.R. TL 37630 01495
NAME/FUNCTION Barge		START DATE	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS  ASSOCIATED WITH: RCHME 157, RCHME 159, RCHME 160			
CONDITION      Poor			
<p>DESCRIPTION</p> <p>1)      CONSTRUCTIONAL MATERIAL          Timber</p> <p>2)      ROOF MATERIALS AND STRUCTURE          Timber</p> <p>3)      POWER SOURCE          Muscle</p> <p>4)      DIMENSIONS i) L 9m ii) W - iii) HT -</p> <p>5)      The barge lies submerged to its gunwales in a derelict canal. The barge is carvel built with copper nails and fittings. The barge was formerly covered by a barrel shaped roof the framing to which survives.</p> <p>         Historic artifacts - Any metal fittings and a representative sample of copper nails.</p>			

**THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY**

NUMBER	OLD SERIES	RCHME NUMBER 159	N.G.R. TL 37627 01500
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NAME/FUNCTION Barge	START DATE	END DATE
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NO PHOTOGRAPHY  
AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES
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PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME
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RELATIONSHIPS WITH OTHER MONUMENTS  
ASSOCIATED WITH: RCHME 157, RCHME 158, RCHME 160

CONDITION      Poor

DESCRIPTION

- 1)      CONSTRUCTIONAL MATERIAL  
        Timber
- 2)      ROOF MATERIALS AND STRUCTURE  
        Timber
- 3)      POWER SOURCE  
        Muscle
- 4)      DIMENSIONS i) L 9m ii) W - iii) HT -
- 5)      The barge lies submerged up to its gunwales in a derelict canal. The barge is carvel built with copper nails. It was formerly covered by a barrel shaped roof of which only the southern door panel survives above water.

Historic artifacts - Any metal fittings and a representative sample of copper nails.



THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER	OLD SERIES	RCHME NUMBER 160	N.G.R. TL 37625 01507
NAME/FUNCTION Barge		START DATE	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 157, RCHME 158, RCHME 159			
CONDITION      Poor			
<p>DESCRIPTION</p> <p>1)      CONSTRUCTIONAL MATERIAL          Timber</p> <p>2)      ROOF MATERIALS AND STRUCTURE          Timber</p> <p>3)      POWER SOURCE          Muscle</p> <p>4)      DIMENSIONS i) L 10 ii) W - iii) HT -</p> <p>5)      The barge lies submerged up to its gunwales in a derelict canal. The barge is carvel built with copper nails. Part of the barrel shaped roof remains in place.</p> <p>         Historic artifacts - Any metal fittings and a representative sample of copper nails.</p>			

**THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY**

NUMBER	OLD SERIES	RCHME NUMBER 169	N.G.R. TL37433 01645
NAME/FUNCTION Barge		START DATE	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME  1)206/F/14 From West 206/C/20	
RELATIONSHIPS WITH OTHER MONUMENTS  ASSOCIATED WITH:			
CONDITION      Poor			
DESCRIPTION 1)      CONSTRUCTIONAL MATERIAL Timber  2)      ROOF MATERIALS AND STRUCTURE Formerly timber  3)      POWER SOURCE Muscle  4)      DIMENSIONS i) L      ii) W      iii) HT  5)			

## THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 279	N.G.R.
NAME/FUNCTION Barge		START DATE	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
<p>PHOTOGRAPHY HISTORIC</p> <p>WASC 916 Powder boat &amp; explosives truck 12.12.1967  WASC 919 Powder boat 12.9.1967  WASC 1072 Powder boat on north site collection of photos  WASC 1075 Powder boat RGPF 1975 x14 taken near telephone exchange  WASC 1076 Powder boat RGPF 1063 taken prior to restoration at ERDE in 1963  WASC 1077 Powder boat RGPF taken at black ditch prior to restoration 1964  WASC 1078 Powder boat 12 prints as 1072  WASC 1213 Powder boat  WASC 1082/1/2 Powder boat RGPF restored boat on river looking towards A231 taken 1967  WASC 1524/3 Powder boat  G 12007/1 Barge on north site 12.09.1967  G 12007/2 Barge on north site 12.09.1967</p>		<p>PHOTOGRAPHY RCHME</p>	
RELATIONSHIPS WITH OTHER MONUMENTS			
ASSOCIATED WITH:			
CONDITION		GOOD	
DESCRIPTION			
<ol style="list-style-type: none"> <li>1) CONSTRUCTIONAL MATERIAL Timber</li> <li>2) ROOF MATERIALS AND STRUCTURE Timber</li> <li>3) POWER SOURCE Muscle</li> <li>4) DIMENSIONS i) L - ii) W - iii) HT -</li> <li>5) This powder barge was restored around 1964 from which time it was displayed moored in the canal near the lecture theatre. It has subsequently been removed to Fort Halstead where it survives in the open, but covered by tarpaulins and plastic sheets.</li> </ol>			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER	OLD SERIES	RCHME NUMBER	N.G.R.
		337	TL 37718 00868
NAME/FUNCTION		START DATE	END DATE
Barge			
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS			
Submerged in lower reaches of Millhead Stream RCHME 296			
CONDITION	Unknown		
DESCRIPTION			
5) Personal communication from Mr Malcolm McLaren. Mr McLaren states that a river barge used to transport gunpowder on the River Lea to the Thames magazines lies submerged in Millhead Stream immediately south of the cast iron bridge RCHME 132 south of the lecture theatre.			





ROYAL  
COMMISSION  
ON THE HISTORICAL  
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OF ENGLAND