

Rpt. 1.

WRECK  
SECTION

No. 378

## STEEL STEAMER or MOTORSHIP

Received at London Office 9 DEC 1941

State if Report has been sent on the Freeboard of the Vessel Yes

State if Report is sent on the Machinery of the Vessel Yes

Date of completion of report

November 1941

Port of

West Hartlepool.

No. 18222

Survey held at West Hartlepool

Date First Survey 31st January

Last Survey 2nd December

1941

On the (State if Machinery Altered Aft and if Single, Twin or Triple Screw)

Single Screw "EMPIRE MARLOWE"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

Complete Superstructure without tonnage opening.

State Type of Erections Forecastle.

TONNAGE under Tonnage Deck...

6292.95

CLASS + 100 A.1.

State if with freeboard as condition of Class Yes

Built at West Hartlepool.

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Length from fore part of stem to after part of stern most on summer L.W.L. See Sec. 3 (1a)

L 414'0"

Launched 6th Oct. 1941 Yard No. 1122

Total

Breadth (greatest moulded)

B 56'6"

Builders William Gray &amp; Co Ltd.

Gross Tonnage

6442.15

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 36'4"

Owners Ministry of War Transport

Register Tonnage

4841.41

1st Longitudinal Number (L x D) = 14835

Managers W. H. Cockburn &amp; Co

(Where necessary to be entered in Reg. Book.)

2nd Numeral L x (B + D) = 38226

Residence Hull.

REGISTERED DIMENSIONS. FEET.

Framing Depth "d," at middle of length. See Sec. 3 (1d)

24.25

Proportions—Depth to Length—Uppermost continuous deck to top of keel

11.39

Port of Registry West Hartlepool.

If surveyed while building, afloat, or in dry dock

Do. Long Bridge to top of keel

Draught Moulded

26'4 1/2"

Building afloat &amp; in dry dock.

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
<b>FRAMES, Spacing amidships</b>	30"		<b>Bracket Floors, Frame</b>	6 3 1/2 3/8	
" " from 1/2 length amidships to Collision bulkhead	27"		" " Reversed Frame	6 3 1/2 5/16	
" " in peaks	24"		" " Vertical Struts	10 3 1/2 7/16	
<b>FRAME FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	42" x .54	
Frame Amidships, Angle, [ or ]	12 x 4 x 4 x 7/16 to second dk and to upper deck at hatch end beams		" " top Angles	4 4 1/2	3 1/2 x 3 1/2 x 1/2
" " Extends up to			" " bottom Angles	4 4 9/16	
<b>Reversed Frame Amidships, Angle</b>			<b>Side Girders, No. each side and thickness</b>	1 at .38	
" " Extends up to			<b>Margin Plate depth (excl. of flange) and thickness</b>	39" x .54	
<b>Depth of Framing Girder</b>	12"		" " Vertical Angle to Tank side	6 6 1/2	
<b>Frames in Uppermost Continuous Tween Decks, Angle, [ or ]</b>	6 3 1/2 5/16		" " Bracket abaft 1/2 len. from stem	6 6 1/2	
" " Second Tween Decks, Angle, [ or ]			" " Vertical Angle to Tank side	6 6 1/2	
" " Third " " " "			" " Bracket from forward 1/2 len. from stem to Panting Area	22 x .42 every	
" " from 1/2 len. for'd. to 15% len. from Stem	12 x 4 x 4 x 9/16		" " Gussets, spacing and scantling abaft 1/2 len. from stem	29 x .42 continuous in No 1 Hold	
" " in Peaks, Angle or [	8 3 1/2 .35		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	68" x .48	
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	Sides 7/8 - 5 3/4		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>		
<b>State if Frame Joggled</b>	Yes		<b>INNER BOTTOM PLATING.</b>		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes		Breadth and thickness of Middle Line Strake	47 1/4 60" x .52	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes		Thickness of remainder in Holds	44 and 45 and 50 under hatchways to suit American steel	
<b>ANGLE BOTTOM.</b>			Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	Yes	
<b>Floors, Depth and thickness at mid-line in Holds</b>			<b>BEAMS.</b>		
Height of Brackets at side above base line at toe of frame			<b>Uppermost Continuous Deck, amidships</b>	10 3 1/2 7/16	Thru' half
<b>Middle Line Keelson, on Floors, Angles, [ or ]</b>			" " in Wells, Angle, [ or ]	8 3 1/2 7/16	half
" " Through Plate or Intercoastal Plate			" " in way of Bridge, Angle, [ or ]		
" " Foundation Plate on Floors			Spacing	Every	
" " Flat Plate Keel Angles			<b>Second Deck, amidships, Angle, [ or ]</b>	12 3 1/2 .45	Thru' half
<b>Side Keelsons, No. each side</b>			Spacing	9 3 1/2 3/8	Half
thickness of Intercoastal Plate			<b>Third Deck, amidships, Angle, [ or ]</b>		
Angles			Spacing		
<b>DOUBLE BOTTOM.</b>			<b>Fourth Deck, amidships, Angle, [ or ]</b>		
<b>Solid Floors, thickness and spacing</b>	.42 at 60"		Spacing		
" " Are Frame and Reversed Frame joggled?	Yes		<b>Poop Deck, Angle, [ or ]</b>		
<b>Bracket Floors, breadth and thickness at middle line</b>	32 1/2 x .42		Spacing		
" " breadth and thickness at margin plate	32 1/2 x .42		<b>Bridge Deck, Angle, [ or ]</b>		
			Spacing		
			<b>Forecastle Deck, Angle, [ or ]</b>	8 3 1/2 7/16	and .35
			Spacing	Every	



## PILLARS AND DECKS.

	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.
<b>PILLARS</b> , No. of Rows.....		✓			Stringer Plate, breadth and thickness in way of Bridge .....	✓			
" in 'tween Decks, Size and Spacing.....		✓			Thickness of Plating abreast Deck openings in way of Wells .....	.35	✓		
" " " " "		✓			Thickness of Plating abreast Deck openings in way of Bridge .....	✓			
" in Holds " "		✓			Thickness of Plating within line of openings...	.34	✓		
" " " " "		✓			If Sheathed, material and thickness .....	✓			
<b>Centre Line Bulkhead.</b>					<b>Third Deck.</b>				
Stiffeners and Spacing.....	12	3½	.457	at 60°	Stringer Plate, breadth and thickness.....	✓			
Plating, thickness of .....		.30	✓		If Plated, state thickness.....	✓			
<b>STRINGERS AND DECKS.</b>					<b>Fourth Deck.</b>				
<b>Uppermost Continuous Deck.</b>					Stringer Plate, breadth and thickness.....	✓			
Stringer Plate, breadth and thickness in Wells	77	x .65	✓		If Plated, state thickness .....	✓			
" " " " in way of Bridge		✓			<b>Poop Deck.</b>				
" Angle in Wells .....	6	6	5/8	✓	Stringer Plate, breadth and thickness .....	✓			
Thickness of Plating abreast Deck openings in way of Wells .....		.60	✓		Plating, Sheathing, material and thickness ...	✓			
Thickness of Plating abreast Deck openings in way of Bridge .....		✓			<b>Bridge Deck.</b>				
Thickness of Plating within line of openings...		.40	✓		Stringer Plate, breadth and thickness.....	✓			
If Sheathed, material and thickness .....		✓			Plating, Sheathing, material and thickness ...	✓			
<b>Second Deck.</b>					<b>Forecastle Deck.</b>				
Stringer Plate, breadth and thickness in Wells...	77½	x .40	✓		Stringer Plate, breadth and thickness.....	40" x .36	✓	35 x .36	✓
					Plating, Sheathing, material and thickness ...	.35	✓		

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.			Diam. Inches.	Spacing cr. to cr. Inches.		Diam. Inches.	Spacing cr. to cr. Inches.		
	Inches.	Inches.	Inches.	Inches.									
FLAT PLATE KEEL .....	52	.77	.67	.67		Double	7/8	3 1/2	Quad	1	4	lapped	
„ DBLG. (if any)			✓						✓				
BOTTOM PLATING, No. of Strakes ..... 4.		.60	.50	.50		Double	7/8	3 1/2	Treble	7/8	3 1/8	„	
BILGE PLATING, No. of Strakes ..... 1.		.60	.50	.50		Double	7/8	3 1/2	Treble	7/8	3 1/8	„	
SIDE PLATING, No. of Strakes ..... 4.		.60	.46	.46		Double	7/8	3 1/2	Treble	7/8	3 1/8	„	
UPPER DECK, Sheer- strake in Wells.....	57	.68	.46	.46		✓	✓	✓	Quad	7/8	3 1/2	„	
UPPER DECK, Sheer- strake in Bridge ...			✓			✓	✓	✓	✓	✓	✓		
STRAKE BELOW Sheer- strake in Wells.....	53	.65	.46	.46		Double	7/8	3 1/2	Quad	7/8	3 1/2	lapped	
STRAKE BELOW Sheer- strake in Bridge ...			✓						✓				
POOP SIDE PLATING .....			✓						✓				
BRIDGE SIDE PLATING ...			✓						✓				
FOREC'TLE SIDE PLATING			.42			Single	3/4	3	Single	3/4	2 5/8	lapped	

## WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel—</b>	
Extending to Upper Deck (Sec. 3 c)	7 ✓
„ Deck next below	✓
As per Rule	7.

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKH'D,</b> Upper tween decks	·26	6 x 3½ x ⅜ A	30"		
" " Second "					
" " Third "					
" " Holds .....	·46 - 40 - 26	12 x 3½ x 45 J	30"		
<b>COLLISION</b> " (in Hold) .....	51 - 38	9 x 3½ x 9/16 J	24"	Semi box beams & chain locker bottom	
<b>AFTER PEAK</b> " " .....	49 - 7/8 - 30	7 x 3 x 3/32 J	26"	Semi box beams	

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
<b>KEEL, Bar</b> .....				
<b>STEM</b> .....	Rolled bar	10 x 2½ ✓		
<b>STERN FRAME</b> {	Propeller Post	Forged Iron	10½ x 7½ ✓	CMEW
{	Rudder	" "	" "	" "
<b>Speed of Vessel</b> .....	11 knots	✓		
<b>RUDDER—Type</b> .....	ordinary	✓		
" A x D .....	50 48	✓		
" Diam. of head	Forged Iron	11" ✓	CMEW	10½" + 10% in area ✓
" Mainpiece at top pintle	"	11" ✓	"	
" " heel ...	"	8¼" ✓	"	
" how constructed .....	arms keyed to mainpiece			
✓ " double or single plate	Single Top & bottom			
" coupling, vertical or	double middle portion ✓			
" horizontal .....	horizontal	✓		

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) open hearth  
South Durham S & D Co., Lanarkshire Steel Co., Dorman Long & Co.  
Cargo Fleet I & S Co., Skinningrove Iron Co., Consett Iron Co., American Steel.  
 Has the Steel been tested as required by the Rules? Yes.



EQUIPMENT No 39146										LETTER af		ANCHORS.				
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 55.	Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.					
26739	1st Bower ...	18	2	7	Stockless			53	1	3	14	✓	68	Byers Stockless	not stated	L.W. 24/5/41 J Hibbs
26761	2nd „ ...	18	1	7	„			52	18	3	0	✓	68	„	„	L.W. 20/6/41 A Green
	3rd „ ...												58½			
	Collective weight.												194½			
54474	Stream .....	19	2	7	4	3	14	20	8	1	21	✓	19	Rodgers Forge W.G. anchor	„	C.H. 10/10/41 J Paul

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.				Length and Size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 53.	
	Length.	Diam.	Statutory.	Breaking.	Supplied.	Per Rule.	Cwts.	qrs.	lbs.	Cwts.					Length.	Diam.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
63812	120 <sup>5</sup> / <sub>8</sub>	2 <sup>5</sup> / <sub>16</sub>	96 <sup>1</sup> / <sub>4</sub>	134 <sup>3</sup> / <sub>4</sub>	327	3	0	120 <sup>lbs</sup> = 320	225	2 <sup>5</sup> / <sub>16</sub>	Slud	Kendrick + Mole Ltd.	C.H. 14/8/41 J Paul	TOWLINE...	120	4 <sup>3</sup> / <sub>4</sub>	64.6	120	4 <sup>3</sup> / <sub>4</sub>
63813	105 <sup>1</sup> / <sub>8</sub>	2 <sup>5</sup> / <sub>16</sub>	96 <sup>1</sup> / <sub>4</sub>	134 <sup>3</sup> / <sub>4</sub>	286	2	13	105 <sup>lbs</sup> = 280	Emergency Requirement		"	CH 14/8/41 J Paul	HAWSERS & WARPS }	2-90	2 <sup>3</sup> / <sub>4</sub>	15.2	2-90	2 <sup>3</sup> / <sub>4</sub>	
	225		45	from above											2-90	7"	manilla	2-90	7"
Iron Stream Chain or Steel Wire	90	5		70.9					90	5"									

Steering Gear, Type (Power or hand)	Donkin & Co.	Steam + Tel. Control	Alternative Means of Steering	Blocks + tackle to wrench							
Steering Chains (Size and Test)	✓	Windlass	Clarke Chapman ✓	Boats							
Ceiling in Holds, thickness and material	2 1/2" over bilge only ✓	Cargo Battens, thickness, material and spacing									
Cargo Hatchways.-(Upper Deck)	steel plates + angles	Thickness of Hatches	2 1/2"								
Size of Hatchways No. 1 (Fwd.)	31'-6" x 22'-0"	No. 2	32'-6" x 22'-0"	No. 3	21'-9" x 22'-0"	No. 4	11'-9" x 22'-0"	No. 5	30'-0" x 22'-0"	No. 6	32'-6" x 22'-0"
Number of Shifting Beams and/or Fore and Afters	5	5	3	1	5	5					
Builder's Signature											

FOR WILLIAM GRAY & CO. LIMITED.  
 HOS. S. Simpson  
 GENERAL MANAGER.

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel No  
 (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo Not a tanker The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).

This vessel has been constructed in accordance with the approved plans, the Secretary's letters & specification (amended) and generally conforms with the Society's Rules for the class contemplated. The materials & workmanship are good. All double bottom tanks and peak tanks have been tested as required by the Rules & found satisfactory. The weather decks, W.T. Bulkheads, W.T. doors & tunnel have been satisfactorily tested. The assigned freeboards have been marked on the vessel's sides, verified & cut in. The windlass & steering gears have been satisfactorily tried under working conditions.

The amount of Entry Fee .....	£ 10 : - : -	Fees applied for,		(Special notations, where part of class, to be stated.)
Special Survey Fee..	£ 460 : 13 : 9	Received by me,		
Supervision of specification				
Travelling Expenses, if any	£ 17 : - : -			
Freeboard				
State whether the Vessel has been built under Special Survey		Yes	I am of opinion the Vessel should be Classed + 100 A.1. with freeboard	
Certificate sent to		W. Hpl.	Signature	
Date of issue		20/1/42	Surveyor to Lloyd's Register of Shipping.	
Committee's Minute		FRI. 19 DEC 1941		
Character assigned		+ 100 A.1. With freeboard		
Lloyd's arch.		+ L.R. 12.41		
note for S.R.L.		30. 2020		
Mark off		Lloyd's Register Foundation		



GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

Forging reports attached  
Sister Vessel, William Gray & Co No 1121 - "Empire Parsons".

PARTICULARS OF ELECTRIC WELDING (if employed)

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book  
2 decks. D.F. "Cargo battens not fitted". Notation about equipment  
Wood hatch covers omitted on 2nd deck. "With freeboard".  
Collision Band to weather deck. 6 blds to second deck. 6 divisional W.T. Blds in tween dks

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	2nd "	3rd "	wt. including pins	Surveyor's Initials	No of Cst.	Date of Test
				44-1-0	J.T.	3894	31.3.41.
				43.3.7.	J.D.	3629	26.3.41.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 35.8 ft.  
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ☒

Official No. 168933. Signal Letters ☒ Extreme Breadth over Belting ☒ Over-all Length 431.8" ☒  
(Circ. 1611) (Circ. 1703)

No. and Material of Decks 2 decks. steel.  
Parts of Bottom of Vessel coated with cement or approved composition Peaks & D.B. tank under boilers cemented, other  
D.B. tanks cement fillets.

Particulars of composition (if fitted) and of approval ☒

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)  
Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length. Feet.	SW Water Capacity. Tons.	Where Fitted.	Length. Feet.	SW. Water Capacity. Tons.
Double bottom, aft,	132.5	406	Fore peak tank,	23	198
Double bottom, under Engines and Boilers,			After peak tank,	22	190
Double bottom, if under Engines only, 7 dead tanks	25.0	110	Deep tank, aft,		
Double bottom, if under Boilers only, Dry tank	15.0	-	Deep tank, forward,		
Double bottom, forward,	192.5	686	Other tanks, if fitted,		
Total length (if continuous) and Capacity	365.0	1202	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 2438

Date 1/4/41.

Dates of Surveys held while building

1941. Jan. 31. Feb. 18. 26. March 4. 28. April 7. 9. 16. 21. 25. May 7. June 6. 14. 19. July 3. 8. 15. 18. 22.  
August 1. 8. 15. 21. 29. Sept. 2. 5. 9. 10. 12. 18. 19. 22. 24. 30. Oct. 1. 2. 6. 17. 20. 30. 31. Nov. 5. 7. 11. 12. 17. 19.  
20. 24. 25. 26. 27. 28. 29. Dec. 1. 2.

Total No. of Visits 56