

DISCLOSED
SECTION

No. 768

STEEL STEAMER OF MOTORSHIP.

DISCLOSED
SECTION

No. 768

APR 1

Date of completion of report

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*Survey held at *Sunderland*Date First Survey *7 May 40*Last Survey *20 March 1941*

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

*Single Screw M/V.**EMPIRE MIST**No machinery amidships*

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

*Intermediate between F.S. and C.S.S.*State Type of Erections *none*TONNAGE under Tonnage Deck... *6786.72*CLASS *100A1*State if with freeboard as condition of Class *yes*Built at *Sunderland*

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

Length from fore part of stem to *Centre of rudder head* on summer L.W.L. See Sec. 3 (1a) *L 421.12*Breadth (greatest moulded) *B 56.21*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 38.00*1st Longitudinal Number (L x D) *= 15581*2nd Numeral L x (B + D) *= 39252*Framing Depth "d," at middle of length. See Sec. 3 (1d) *25.35*Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.08*Do. Long Bridge to top of keel *✓*Draught Moulded *27-2 3/8*Launched *29th October 1940* Yard No. *669*Builders *Wm Doreford & Sons Ltd.*Owners *Ministry of Shipping*Managers *Haldin & Philipps*

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

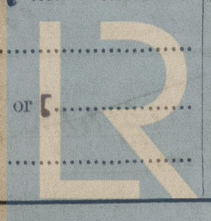
Residence *London*Port of Registry *Sunderland*

If surveyed while building, afloat, or in dry dock

building

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.
FRAMES, Spacing amidships	31 1/2 ✓		Bracket Floors, Frame	6 3 1/2 40 ✓	
" " from 3/4 length amidships to Collision bulkhead	27 ✓		" " Reversed Frame	6 3 1/2 34 ✓	
" " in peaks	24 ✓		" " Vertical Struts	10 3 1/2 40 ✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	44 1/2 x .54 ✓	
Frame Amidships, Angle <i>E or [</i>	13 1/2 4 .54 ✓		" " top Angles <i>Double</i>	3 1/2 3 1/2 48 ✓	
" " Extends up to <i>Upper Deck at H. & B. Beams</i>			" " bottom Angles <i>Double</i>	5 5 .50 ✓	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	<i>One</i> .38 ✓	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	40 3/4 x .54 ✓	
Depth of Framing Girder	✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	6 6 .45 ✓	
Frames in Uppermost Continuous 'tween Decks, Angle <i>E or [</i>	6 3 1/2 .35 ✓		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	5 5 .45 <i>Double</i> ✓	
" " Second 'tween Decks, Angle <i>[or [</i>	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem	13 1/2 x .42 <i>Continuous!</i>	
" " Third " " "	✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	20 x .42 <i>do.</i> ✓	
" " from 1/4 len. for'd. to 15% len. from Stem	13 1/2 4 .60 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	70 x .46 ✓	
" " in Peaks, Angle <i>[</i>	8 3 1/2 (35) ✓	<i>.38 See letter 24.4.41</i>	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 @ 5 3/4 ✓		Breadth and thickness of Middle Line Strake	78 x .50 ✓	
State if Frame Joggled	<i>yes</i> ✓		Thickness of remainder in Holds	.44 ✓	<i>+ .08 mid. hold</i>
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>yes</i> ✓		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?	<i>yes</i> ✓	<i>yes</i>
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>yes</i> ✓		BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships	8 3 1/2 .35 ✓	
Floors, Depth and thickness at mid-line in Holds			" " in Way of Bridge, Angle, <i>[or [</i>		
Height of Brackets at side above base line at toe of frame			Spacing	<i>Every fr.</i> ✓	
Middle Line Keelson, on Floors, Angles, <i>[or [</i>			Second Deck, amidships, Angle <i>E or [</i>	9 3 1/2 .38 ✓	
" " Through Plate or Intercoastal Plate			Spacing	<i>every fr.</i> ✓	
" " Foundation Plate on Floors			Third Deck, amidships, Angle, <i>[or [</i>		
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, <i>[or [</i>		
" " thickness of Intercoastal Plate			Spacing		
" " Angles			Poop Deck, Angle, <i>[or [</i>		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	.42 @ 9 1/2 ✓		Bridge Deck, Angle, <i>[or [</i>		
" " Are Frame and Reversed Frame joggled?	<i>yes</i> ✓		Spacing		
Bracket Floors, breadth and thickness at middle line	33 x .42 ✓		Forecastle Deck, Angle, <i>[or [</i>		
" " breadth and thickness at margin plate	33 x .42 ✓		Spacing		



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Lloyd's Register
Foundation

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.
PILLARS , 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	38	✓		
„ „ „ „ „			✓		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	✓			
Centre Line Bulkhead.	T.D ^s	3½	3½	40L	Third Deck.				
Stiffeners and Spacing.....	Hold	9	3½	44L	Stringer Plate, breadth and thickness.....	✓			
	T.D ^s		26		If Plated, state thickness.....	✓			
Plating, thickness of	Hold		30	✓					
STRINGERS AND DECKS.					Fourth Deck.				
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness.....	✓			
Stringer Plate, breadth and thickness in Wells		70	x	69. ✓	If Plated, state thickness	✓			
„ „ „ „ in way of Bridge			✓		Poop Deck.				
„ Angle in Wells		6	6	5/8 ✓	Stringer Plate, breadth and thickness	✓			
Thickness of Plating abreast Deck openings) in way of Wells			67	✓	Plating, Sheathing, material and thickness ...	✓			
Thickness of Plating abreast Deck openings) in way of Bridge			✓		Bridge Deck.				
Thickness of Plating within line of openings...			40	✓	Stringer Plate, breadth and thickness.....	✓			
If Sheathed, material and thickness			✓		Plating, Sheathing, material and thickness ...	✓			
Second Deck.					Forecastle Deck.				
Stringer Plate, breadth and thickness in Wells...		70	x	40. ✓	Stringer Plate, breadth and thickness.....	✓			
					Plating, Sheathing, material and thickness ...	✓			

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <i>no</i>			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.			Diam. Inches.	Spacing cr. to cr. Inches.		Diam. Inches.	Spacing cr. to cr. Inches.	
FLAT PLATE KEEL	52	.79	.69	.69		Double x	1" 4"	Four x	1" 3 1/2"	Lapped ✓		
„ DBLG. (if any)	-	-	-	-		-	-	-	-	-		
BOTTOM PLATING, No. of Strakes	4 ✓	.64 ✓	.50 [⊗] ✓	.63 ✓		Double x	7/8 3 1/2 ✓	Four x	7/8 3 1/2 ✓	Lapped ✓		
BILGE PLATING, No. of Strakes	1 ✓	.64 ✓	.50 ✓	.63 ✓		do x	7/8 3 1/2 ✓	Four x	7/8 3 1/2 ✓	„ x		
SIDE PLATING, No. of Strakes	5 ✓	.63 ✓	.47 ✓	.47 ✓		do x	7/8 3 1/2 ✓	Three x	7/8 3 1/8 x	„ x		
UPPER DECK, Sheer- strake in Wells	90 ✓	.67 ✓	.47 ✓	.47 ✓		do. x	7/8 3 1/2 ✓	Four. x	7/8 3 1/2 x	„ x		
UPPER DECK, Sheer- strake in Bridge ...	-	-	-	-								
STRAKE BELOW Sheer- strake in Wells	-	-	-	-								
STRAKE BELOW Sheer- strake in Bridge ...	-	-	-	-	✓ .59 in painting area. ✓							
POOP SIDE PLATING	-	-	-	-	⊗ 3 plating to fore of 1/2 L fore to C.Bld.							
BRIDGE SIDE PLATING ...	-	-	-	-								
FOREC'TLE SIDE PLATING	-	-	-	-								

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—						Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
Extending to Upper Deck (Sec. 3 c)									
Deck next below									
As per Rule									
						STIFFENERS.			
Plating Thickness.						VERTICAL.		HORIZONTAL.	
						Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD, Upper tween decks Fr. No 63, 81492						26	5 x 3 x 30 L	30	-
Second No 14 + 130						28	6 x 3 x 30 L	"	✓
Third No 39						27	5 x 3 x 34 L	"	✓
Holds No 63						50-26	12 x 3 1/2 x 45	28	-
COLLISION (in Hold) 198						48-32	9 x 3 1/2 x 38	24	one Semi box
AFTER PEAK						T.D. 26	8 x 3 x 33	"	explain as built
						42-30	8 x 3 1/2 x 42	24	" " "

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Semin, Martin Open-hearth*
Consett: Appleby-Frodingham: Bargo Heel: Colville Dorman Long
South Durham.
 Has the Steel been tested as required by the Rules? *Yes.* ✓

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.)

PARTICULARS OF ELECTRIC WELDING (if employed) *Fleetweld and Quasi-arc Overhead electrodes.*
Parts welded:— *2nd Deck stringer plates to shell. Deep + Peak tanks girders. Rudder plates; Bulkhead stiffener brackets to tank top. Hatch web mounting bars. Mast Ventilator coamings to Deck. Tank side gussets.*

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book *Lloyd's A.R.C.P. Cruiser Stern. Oil Eng. D.F.*

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	<i>39-3-14</i>	<i>J.D.</i>	<i>3033</i>	<i>20-6-40</i>
	2nd "	<i>40-0-0</i>	<i>J.D.</i>	<i>3193</i>	<i>18-6-40</i>
	3rd "	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>

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

Official No. *168664* Signal Letters _____ Extreme Breadth over Belting ☒ Over-all Length *442-11 1/4*
No. and Material of Decks *2 Srs (Stl.)* (Circ. 1611) (Circ. 1703)

Parts of Bottom of Vessel coated with cement ~~or approved composition~~ *No. 4 Double bottom tank + Cofferdams + bilges.*

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	<i>123.4</i>	<i>355</i>	Fore peak tank,	<i>24</i>	<i>134</i> ✓
Double bottom, under Engines and Boilers, <i>fresh water</i>	<i>10.5</i>	<i>50</i>	After peak tank,	<i>18</i>	<i>155</i> ✓
Double bottom, if under Engines only,	<i>23.6</i>	<i>84</i>	Deep tank, aft,	<i>-</i>	<i>-</i>
Double bottom, if under Boilers only, <i>cofferdams</i>	<i>5.2</i>	<i>-</i>	Deep tank, forward, <i>amidships</i>	<i>28.8</i>	<i>120.5</i> ✓
Double bottom, forward,	<i>193.5</i>	<i>693</i>	Other tanks, if fitted,		
Total length (if continuous) and Capacity	<i>356.2</i>	<i>1182</i> ✓	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. *5948*

Date *28.5.40*

Dates of Surveys held while building

1940. May. 7. 9. 22. 23. 27. June. 3. 5. 13. 18. 25. 26. July. 1. 2. 8. 9. 10. 16. 19. 22. 23. 26. Aug. 2. 6. 8. 14. 20. 23. 26. 28. 29. Sep. 4. 9. 10. 11. 13. 16. 18. 23. 27. Oct. 1. 2. 3. 4. 7. 11. 14. 16. 21. 24. 29. Dec. 2.
1941. Jan. 6. 15. 22. 27. 30. Feb. 3. 6. 14. 17. 26. 28. March. 3. 5. 12. 13. 19. 20

Total No. of Visits *68*