

STEEL STEAMER ^{now Marillo} ~~MOTORSHIP~~

Received at London Office

AUG 1942

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 **23RD JULY 1942.** Port of **GREENOCK.** No. **21915**
 Survey held at **PORT GLASGOW** Date First Survey **29TH AUGUST 1941.** Last Survey **16TH JULY 1942.**

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

SINGLE SCREW STEAMER "EMPIRE GALAHAD"

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

COMPLETE SUPERSTRUCTURE WITHOUT TONNAGE OPENING.State Type of Erections **FORECASTLE**

TONNAGE under Tonnage Deck

6573.61CLASS **100.A.1.**State if with freeboard as condition of Class **YES.**Built at **PORT GLASGOW.**

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

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) **L 425.0**Launched **MAY 18TH 1942.** Yard No. **970**

Total

Breadth (greatest moulded) **B 56.0**Builders **LITHGOWS LIMITED**
HIS MAJESTY REPRESENTED BY THE
Owners **MINISTER OF WAR TRANSPORT**

Gross Tonnage

7046.40Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) **D 36.83**Managers **BLUE STAR LINE**

Register Tonnage

4906.241st Longitudinal Number (L x D) **= 15194**

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

2nd Numeral L x (B + D) **= 38994**Residence **LONDON**

REGISTERED DIMENSIONS.

FEET.

Length

432.2Framing Depth "d," at middle of length. See Sec. 3 (1d) **23.9**

Breadth

56.2Proportions—Depth to Length—Uppermost continuous deck to top of keel **11.55**Port of Registry **GREENOCK**

Depth

34.25Do. Long Bridge to top of keel **26-1/2**

If surveyed while building, afloat, or in dry dock

BUILDING & Afloat.

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	✓	Bracket Floors, Frame	BA 6 3/2 3/16	✓
" " from 1/2 length amidships to Collision bulkhead	27	✓	" " Reversed Frame	BA 6 3/2 3/16	✓
" " in peaks	24	✓	" " Vertical Struts	BA 10 3/2 40	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	43 1/4 x 54	✓
Frame Amidships, Angle E or F	12 3 1/2 56	✓	" " top Angles	3 1/2 3 1/2 48	✓
" " Extends up to	2 ND DK	✓	" " bottom Angles	4 4 54	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	1 @ 38	✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	44 x 54	✓
Depth of Framing Girder	12	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6 1/2 6 1/2 625T	✓
Frames in Uppermost Continuous 'tween Decks, Angle E or F	6 3 1/2 38	✓	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	6 1/2 6 1/2 625T	✓
" " Second 'tween Decks, Angle E or F	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	42 EVERY FRAME	✓
" " Third " " " "	✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	42 EVERY FRAME	✓
" " from 1/2 len. for'd. to 15% len. from Stem	15 1/4 x 50/62	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	77 x 44	✓
" " in Peaks, Angle E or F	8 3 1/2 35	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 @ 7 DIAS. BOTTOM 3/8 @ 6 1/2 " SIDES	✓	Breadth and thickness of Middle Line Strake	83 x 50	✓
State if Frame Joggled	YES	✓	Thickness of remainder in Holds	44 - 40	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES	✓	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	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	YES	✓	BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships	10 3 1/2 42	✓
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle E or F	✓	
Height of Brackets at side above base line at toe of frame			Spacing	31	✓
Middle Line Keelson, on Floors, Angles E or F			Second Deck, amidships, Angle E or F	12 3 1/2 45	✓
" " Through Plate or Intercostal Plate			Spacing	31	✓
" " Foundation Plate on Floors			Third Deck, amidships, Angle E or F	✓	
" " Flat Plate Keel Angles			Spacing	✓	
Side Keelsons, No. each side			Fourth Deck, amidships, Angle E or F	✓	
" " thickness of Intercostal Plate			Spacing	✓	
" " Angles			Poop Deck, Angle E or F	✓	
DOUBLE BOTTOM.			Spacing	✓	
Solid Floors, thickness and spacing	42 EVERY 3 RD FRAME	✓	Bridge Deck, Angle E or F	✓	
" " Are Frame and Reversed Frame joggled?	YES	✓	Spacing	✓	
Bracket Floors, breadth and thickness at middle line	32 1/4 x 42	✓	Forecastle Deck, Angle E or F	8 3 x 42	✓
" " breadth and thickness at margin plate	32 1/4 x 42	✓	Spacing	27 x 24	✓

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.....											
" in 'tween Decks, Size and Spacing.....		CENTRE LINE BULKHEAD									
" " " " " "		WITH REINFORCED HATCH SIDE									
" in Holds		GIRDERS & HATCH END BEAMS.									
" " " " " "											
Centre Line Bulkhead.											
Stiffeners and Spacing.....		62" APART		12 3/2 45							
Plating, thickness of30							
STRINGERS AND DECKS.											
Uppermost Continuous Deck.											
Stringer Plate, breadth and thickness in way of Bridge				72 x .65							
" " " " " in way of Bridge				✓							
" Angle in way of Bridge		6 6 5/8									
Thickness of Plating abreast Deck openings in way of Bridge				.609 .65							
Thickness of Plating abreast Deck openings in way of Bridge				✓							
Thickness of Plating within line of openings...				.40							
If Sheathed, material and thickness		NONE									
Second Deck.											
Stringer Plate, breadth and thickness in way of Bridge				72 x .40							
										</	

SHELL PLATING.													
SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if Joggled? No	SINGLE OR DOUBLE.	RIVETS.		No. of Rows of Rivets.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing or to cr.		Diam.	Spacing or to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	52	78	68	68		DOUBLE	7/8	3 3/4	FOUR	1	4	LAPPED	
" DBLG. (if any) ✓	20 60												
BOTTOM PLATING, No. of Strakes FOUR ✓	20 65		50	50		"	"	"	FOUR	7/8	3 1/2	"	
BILGE PLATING, No. of Strakes ONE ✓	30 63		50	50		"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes FOUR ✓	10 60		46	46		"	"	"	THREE	"	3 1/8	"	
UPPER DECK, Sheer-strake in Walls ✓	58	69	46	46		"	"	"	FOUR	"	3 1/2	"	
UPPER DECK, Sheer-strake in Bridge ✓													
STRAKE BELOW Sheer-strake in Walls ✓	58	65	46	46		"	"	"	"	"	"	"	
STRAKE BELOW Sheer-strake in Bridge ✓													
POOP SIDE PLATING ✓													
BRIDGE SIDE PLATING ✓													
FOREC'TLE SIDE PLATING			40			SINGLE	7/8	3 1/2	SINGLE	7/8	3 1/8	LAPPED	
WATERTIGHT BULKHEADS.													
FORGINGS and CASTINGS.													
Total No. of W.T. BULKHEADS in Vessel— 7					Casting or Forging Scantlings Maker's Name Any Departure from Approved Plans to be Noted.								
Extending to Upper Deck (Sec. 3 c) (6) 1					KEEL, Bar FLAT PLATE KEEL								
" Deck next below (1) 6					STEM LOWER PORTION UPPER PORTION								
As per Rule 7					STERN FRAME { Propeller Post ROLLER 10x2 1/2								
					" Rudder CASTING LINED								
					Speed of Vessel 10 1/2 KNOTS								
					RUDDER—Type DOUBLE PLATE STREAM LINED								
					" A x D 570								
					" Diam. of head FORGING 12								
					" Mainpiece at top pintle CASTING 10x10 1/2								
					" " heel 6x10 5/8								
					" how constructed COMPLETE CAST STEEL FRAME								
					" double or single plate DOUBLE 46								
					" coupling, vertical or horizontal VERTICAL								
STIFFENERS.													
Plating Thickness.		VERTICAL.		HORIZONTAL.									
		Scantlings. Spacing.		Scantlings. Spacing.									

Rpt.

Date of
No. in
Reg. -

"EMPIRE AUSTEN"

No 2 hold & No 2 hi dk
No 4 " & " 4 " "
(see R.M.C. F.E. Rpt)

Built
Engin
Boile
Regis

received

and Nos 224 for the free RMC FERRIS

PARTICULARS OF ELECTRIC WELDING (if employed) Head, cheeks of solid pillars, cruiser stern, boss plating, corners of bulkheads & tank ends, both of stringer bars, auxiliary engine seats, tunnel stools & thrust seat, ventilators, corners of hatch coaming bars.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book *Cruiser class; D.F; E.S.D.*
Lloyds A+C.P.

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	44.0.21 : RHTG : 4195 : 27/8/41.
	2nd "	43.3.11 : RHTG : 4180 : 23/8/41.
	3rd "	

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 39.4 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 168,985 Signal Letters _____ Extreme Breadth over Belting _____ Over-all Length 447.6
(Circ. 1611) (Circ. 1703)

No. and Material of Decks 2. DKS.

No. and Material of Decks 2. DKS.
Parts of Bottom of Vessel coated with cement or approved composition Flat of bottom inside boiler room tank covered with
and elsewhere cement welded seams & bolts.

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.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	131.75	371	Fore peak tank,		122
Double bottom, under Engines and Boilers,			After peak tank,		172
Double bottom, if under Engines only,	25.8	120	Deep tank, aft,		
Double bottom, if under Boilers only <i>DRY TANK. W. J. Comp</i>	15.5		Deep tank, forward,		
Double bottom, forward,	193.9	724	Other tanks, if fitted,		
Total length (if continuous) and Capacity	369.5	1215	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 3486

Date 23RD SEPT. 1941

Dates of Surveys

(1941) AUG. 29. SEPT. 1. 4. 16. 18. 24. OCT. 2. 14. 17. 21. 29. 31. NOV. 6. 20. 24. 28. DEC. 2. 5. 10. 12. 16. 24. 29.
(1942) JAN. 6. 8. 9. 14. 15. 20. 24. 29. FEB. 2. 3. 5. 12. 16. 18. 23. 26. MAR. 3. 5. 6. 9. 10. 11. 12. 13. 17. 23. 24. 25. 26. 29. 30. APR. 13. 26. 7. 10. 11.
15. 16. 20. 21. 23. 27. 28. 29. 30. MAY 1. 6. 7. 9. 15. 18. 20. 25. 27. 28. JUNE 1. 2. 3. 5. 9. 11. 18. 22. 24. 26. 29. JULY 2. 13. 14. 15. 16.

Total No. of Visits 96