

17 OCT 1941

RETAIN

# STEEL STEAMER or MOTORSHIP

WRECK SECTION

Reported at London Office 13 OCT 1941

Rpt. 1.

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 **10<sup>th</sup> OCTOBER 1941** Port of **GREENOCK** No. **21584**

Survey held at **PORT GLASGOW** Date First Survey **29<sup>th</sup> NOVEMBER 1940** Last Survey **3<sup>rd</sup> OCTOBER 1941**

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) **SINGLE SCREW STEAMER "EMPIRE BAFFIN"** MACHY AMIDSHIPS

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) **COMPLETE SUPERSTRUCTURE WITHOUT TONNAGE OPENING** State Type of Erections **NONE**

TONNAGE under Tonnage Deck... **6596.79** CLASS **+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 **AUGUST 28<sup>th</sup> 1941** Yard No. **958**

Total **✓** Breadth (greatest moulded) **B 56.0** Builders **LITHGOWS LIMITED.** HIS MAJESTY REPRESENTED BY

Gross Tonnage **6977.59** Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) **D 36.83** Owners **THE MINISTER OF WAR TRANSPORT**

Register Tonnage **5085.53** 1st Longitudinal Number (L x D) **= 15194** Managers **JOSEPH ROBINSON & SONS** (Where necessary to be entered in Reg. Book.)

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

REGISTERED DIMENSIONS. FEET.

Length **431.0** Framing Depth "d," at middle of length. See Sec. 3 (1d) **23.9** Port of Registry **GREENOCK**

Breadth **56.2** Proportions—Depth to Length—Uppermost continuous deck to top of keel **11.55** If surveyed while building, afloat, or in dry dock

Depth **34.25** Draught Moulded **26' 1 1/2"** **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 7/16 ✓	
" " from 3/8 length amidships to Collision bulkhead	27 ✓		" " Reversed Frame	BA 6 3/2 7/16 ✓	
" " in peaks	24 ✓		" " Vertical Struts	BA 10 3/2 7/16 ✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	43 1/4 x 54 ✓	
Frame Amidships, Angle, E or F	12 3 1/2 9/16 ✓		" " top Angles	4 4 1/2 ✓	
" " Extends up to	SECOND DECK ✓		" " bottom Angles	4 4 9/16 ✓	
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 1/4 len. from stem	6 1/2 6 1/2 625T ✓	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	6 3 1/2 7/16 ✓		" " Vertical Angle to Tank side Bracket from forward 1/4 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 1/4 len. from stem	42 EVERY FRAME ✓	
" " Third " " "	✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	42 EVERY FRAME CONTINUOUS IN NEI HOLD ✓	
" " from 1/4 len. for'd. to 15% len. from Stem	15 x 4 x 4 1/2 3/16 CHANNEL. see letter 3. 11. 41 ✓		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	3/8 @ 7 DIAS BOTTOM ✓ 3/8 @ 6 1/2 DIAS SIDES ✓		Breadth and thickness of Middle Line Strake	82 x 50 ✓	
State if Frame Joggled	YES ✓		Thickness of remainder in Holds	44 - 40 ✓	Increased under hold way
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.		
INGLE BOTTOM.			Uppermost Continuous Deck, amidships in Welle, Angle, E or F	10 3 1/2 437 ✓	
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 <sup>RD</sup> 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	✓	
" " breadth and thickness at margin plate	32 1/4 x 42 ✓		Spacing	✓	



## 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, No. of Rows.....</b>			Stringer Plate, breadth and thickness in way of Bridge .....	✓	
„ in 'tween Decks, Size and Spacing.....	CENTRE LINE BULKHEAD WITH		Thickness of Plating abreast Deck openings in way of Wells .....	35	36
„ „ „ „ „	REINFORCED HATCH SIDE GIRDERS		Thickness of Plating abreast Deck openings in way of Bridge .....	✓	
„ in Holds „ „	4 HATCH END BEAMS ✓		Thickness of Plating within line of openings...	35 ✓	
„ „ „ „ „			If Sheathed, material and thickness .....	NOT SHEATHED ✓	
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	62" APART 12 3 1/2 .45 ETC ✓		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	66x.66 ✓		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 .....	.604 .65 ✓		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 ...	COMPOSITION OVER ACCOMMODATION APT		Plating, Sheathing, material and thickness ...	✓	
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells	72x.40 ✓		Stringer Plate, breadth and thickness.....	✓	
			Plating, Sheathing, material and thickness ...	✓	

## SHELL PLATING.

[illegible]

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— 7 ✓  
 Extending to Upper Deck (Sec. 3 c) (6)  
 „ Deck next below (1)  
 As per Rule 7

5 divisional WT 8H<sub>2</sub> in  
 'twen dks

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
<b>KEEL, Bar</b> .....	FLAT PLATE KEEL ✓ LOWER PORTION } UPPER PORTION.			
<b>STEM</b> .....	ROLLER	10 2 1/2 ✓	PLATES	✓
<b>STERN FRAME</b> {	Propeller Post .....	CASTING	SEE PLAN ✓	STEEL Co. OF
{	Rudder .....	"	STREAM LINED	SCOTLAND. ✓
<b>Speed of Vessel</b> .....		10 1/2 KNOTS	✓	
<b>RUDDER—Type</b> .....	DOUBLE PLATE STREAM LINED		✓	
" A x D .....		570	✓	
" Diam. of head .....	FORGING	12" ✓	BEARDMORE	✓
" Mainpiece at top pintle	CASTING	10 1/2 x 10 3/8 ✓	BEARDMORE	✓
" " heel ...		6 x 10 3/8 ✓		
" how constructed .....	COMPLETE CAST STEEL FRAME		✓	
" double <del>or single</del> plate	DOUBLE PLATE 46 THICK		✓	
" coupling, vertical or horizontal .....	VERTICAL.		✓	

		Plating Thickness.	STIFFENERS.				
			VERTICAL.		HORIZONTAL.		
			Scantlings.	Spacing.	Scantlings.	Spacing.	
MIDSHIP BULKH'D, Upper tween decks		·26	6 x 3½ x 3/8 OA	·30 <sup>11</sup>	✓		
"	" Second "						
"	" Third "						
"	" Holds .....	85	44	26	12 x 3½ x 45 BA	30" To 27	✓
<b>COLLISION</b>	" (in Hold) .....	54	29	12 x 3½ x 45 BA	24	✓	2 SEMI-Box BEAMS 4 W.T. FLAT
<b>AFTER PEAK</b>	" " .....	48	30	7 x 3 x 33 BA	24	✓	2 SEMI-Box BEAMS 4 TUNNEL RECESS

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) (OPEN HEARTH)  
COLVILLES, STEEL CO OF SCOTLAND, LANARKSHIRE & AMERICAN STEEL

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.)

This is the first vessel constructed by Messrs Lithgows Ltd for the Ministry of War Transport to the Y1 design. This vessel is of similar dimensions to the Y design but the forecastle has been omitted & other slight amendments made. see Greenock first entry report No 21218 on the Empire Trust.

Forging reports are forwarded herewith.

As requested by the London Office, the plans & specification have been supervised and a copy of the certificate issued is herewith enclosed.

No cleats nor hatch covers have been fitted to the cargo hatches on the second deck but it is the intention of the Managers to fit covers & sparring at the first opportunity.

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

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book CRUISER STERN; D.F; LLOYDS AN C.P.

Particulars of Drop Test of Cast Steel Anchors, viz.:—  
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower	44.3.16: J.D. :	3505 : 25.1.41.
2nd "	44.1.17: J.D. :	3502 : 25.1.41.
3rd "		

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. 168,968. Signal Letters ☒ Extreme Breadth over Belting (Circ. 1611) Over-all Length 446'-0" ☒ (Circ. 1703)

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 CEMENT, ELSEWHERE CEMENT WEDGES AT SEAMS & BUTTS OF SHELL, ALSO ALL RIVET HEADS IN BOTTOM FRAMES, GIRDERS & SHELL COVERED WITH CEMENT.  
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 DRY TANK, W.T. COMP.	15.5		Deep tank, forward,		
Double bottom, forward,	193.9	724	Other tanks, if fitted,		
Total length (if continuous) and Capacity	369.6	1215	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 3449

Date 24<sup>th</sup> DECEMBER 1940

Dates of Surveys held while building

(1940) NOV. 29. DEC. 5. 14. (1941) JAN. 8. 10. 14. 20. 24. FEB. 17. 21. 28. MAR. 4. 6. 14. 21. 25. APR. 3. 10. 16. 18. MAY 5. 13. 22. 29. 30. JUNE 2. 6. 9. 13. 20. 24. 30. JULY 3. 14. 15. 17. 21. 24. 25. 29. 31. AUG. 1. 5. 4. 11. 13. 14. 20. 21. 22. 26. 27. SEPT. 17. 18. 24. 26. OCT. 1. 3.

Total No. of Visits 58