

## STEEL STEAMER or MOTORSHIP.

Received at London Office 8 SEP 1926

State if Report has been sent on the Freeboard of the Vessel ☒ YESState if Report is sent on the Machinery of the Vessel ☒ YES

Date of completion of report 31st August, 1926

Port of GREENOCK.

No. 18601

Survey held at GREENOCK.

Date First Survey 1st February, 1926

Last Survey 31st August 1926

On the (State if Machinery fitted Aft and

SINGLE SCREW

"DALBLAIR"

State Type (Full Scantling, Complete Superstructure

COMPLETE SUPERSTRUCTURE WITH TONNAGE OPENING AFT

State Type of Erections None

TONNAGE under

4207.87

CLASS 100 A.1.

State if with freeboard

☒ YES

Built at GREENOCK.

Do. of space or spaces

Length from fore part of stem to after part of stern

L 405.0

Launched 28th July, 1926. Yard No. 528.

Total

4207.87

Breadth (greatest moulded)

B 53.83

Builders SCOTT'S S. B. AND E. CO. LTD.

Gross Tonnage

4607.53

Depth, at middle of length from top of keel to top

D 35.25

Owners THE UNITED STEAM NAV. CO. LTD.

Register Tonnage

2809.80

1st Longitudinal Number (L x D)

14276

Managers CAMPBELL BROS &amp; CO.

2nd Numeral L x (B + D)

36077

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

Residence NEWCASTLE ON TYNE.

## REGISTERED DIMENSIONS.

FEET.

Length

406.5

Framing Depth "d," at middle of length. See

23.01

Breadth

34.1

Proportions—Depth to Length—Uppermost con-

11.57

Port of Registry NEWCASTLE ON TYNE.

Depth

24.75

Do. Long Bridge to top

☒

If surveyed while building afloat, or in dry dock

Draught Moulded

24' 0 1/2"

☒ YES

## 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	30.	<input checked="" type="checkbox"/>	Bracket Floors, Frame	BULB ANGLE 7 3 35	<input checked="" type="checkbox"/>
" from 1/2 length to Collision bulkhead	27.	<input checked="" type="checkbox"/>	" " Reversed Frame	7 3 35	<input checked="" type="checkbox"/>
" " in peaks	24.	<input checked="" type="checkbox"/>	" " Vertical Struts	11 3 54	<input checked="" type="checkbox"/>
FRAMING.			Centre Girder, depth and thickness amidships	43 65	<input checked="" type="checkbox"/>
Frame Amidships, Angle, E or F	12. 3 1/2 45	<input checked="" type="checkbox"/>	" " top Angles	3 1/2 3 1/2 53	<input checked="" type="checkbox"/>
" Extends up to	2ND DECK.	<input checked="" type="checkbox"/>	" " bottom Angles	4 4 59	<input checked="" type="checkbox"/>
Reversed Frame Amidships, Angle	BULB ANGLE FRAMING	<input checked="" type="checkbox"/>	Side Girders, No. each side and thickness	ONE 41	<input checked="" type="checkbox"/>
" Extends up to	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Margin Plate depth (excl. of flange) and thickness	37 1/2 53	<input checked="" type="checkbox"/>
Depth of Framing Girder	12.	<input checked="" type="checkbox"/>	" " Vertical Angle to Tank side	5 5 47	<input checked="" type="checkbox"/>
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	6 1/2 3 1/2 42	<input checked="" type="checkbox"/>	" " Bracket abaft 1/2 len. from stem	5 5 47	<input checked="" type="checkbox"/>
" " Second 'tween Decks, Angle, E or F	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	" " Vertical Angle to Tank side	5 5 47	<input checked="" type="checkbox"/>
" " Third " " " "	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	" " Bracket forward 1/2 len. from stem	5 5 47	<input checked="" type="checkbox"/>
Framing in Peaks, Angle, E or F	7 3 47	<input checked="" type="checkbox"/>	" " Gussets, spacing and scantling	ON EVERY FRAME 50	<input checked="" type="checkbox"/>
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 5 1/4	<input checked="" type="checkbox"/>	" " Gussets, spacing and scantling	" " " 50	<input checked="" type="checkbox"/>
State if Frame Joggled	YES	<input checked="" type="checkbox"/>	Tank Side Brackets, height above base line at toe of Frame and thickness	7' 0 47	<input checked="" type="checkbox"/>
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	WEB FRAME. 3 WEBS. 29 1/2 x 50 3 STRS. 29 1/2 x 34 1 AS APPROVED PLAN	<input checked="" type="checkbox"/>	INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	ADDITIONAL INTERCOSTALS. DOUBLE RIVETED FRAMES. 1 AS APPROVED PLAN	<input checked="" type="checkbox"/>	Breadth and thickness of Middle Line Strake	64 51 53 57	<input checked="" type="checkbox"/>
DOUBLE BOTTOM.			Thickness of remainder in Holds	43	<input checked="" type="checkbox"/>
Floors, Depth and thickness at mid-line in Holds	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>
Height of Brackets at side above base line at toe of frame	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BEAMS.		
Middle Line Keelson, on Floors, Angles, E or F	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Uppermost Continuous Deck, amidships	7 3 36	<input checked="" type="checkbox"/>
" " Through Plate or Intercostal Plate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	" " in way of Bridge, Angle, E or F	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
" " Foundation Plate on Floors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Spacing	EVERY FRAME	<input checked="" type="checkbox"/>
" " Flat Plate Keel Angles	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Second Deck, amidships, Angle, E or F	7 3 47	<input checked="" type="checkbox"/>
Double Keelsons, No. each side	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Spacing	EVERY FRAME	<input checked="" type="checkbox"/>
" thickness of Intercostal Plate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Third Deck, amidships, Angle, E or F	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
" Angles	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Spacing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, E or F	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mid Floors, thickness and spacing	41 EVERY 3RD	<input checked="" type="checkbox"/>	Spacing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
" Are Frame and Reversed Frame joggled?	YES	<input checked="" type="checkbox"/>	Poop Deck, Angle, E or F	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bracket Floors, breadth and thickness at middle line	30 41	<input checked="" type="checkbox"/>	Spacing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
" breadth and thickness at margin plate	30 41	<input checked="" type="checkbox"/>	Bridge Deck, Angle, E or F	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Spacing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Forecastle Deck, Angle, E or F	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Spacing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



# 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>	<i>TWO AND CENTRE LINE BULKHEAD IN HOLD</i>				Stringer Plate, breadth and thickness <del>in way of Bridge</del> .....	<i>70 1/2</i>	<i>40</i>	<i>/</i>	
„ in 'tween Decks, Size and Spacing.....	<i>AT CR 2 1/2' ON ALT BEAMS.</i>				Thickness of Plating abreast Deck openings } <del>in way of Wells</del> .....		<i>36</i>	<i>/</i>	
„ „ „ „ „	<i>AND WIDE SPACED PILLARS.</i>				<del>Thickness of Plating abreast Deck openings } in way of Bridge</del> .....				
„ in Holds „ „	<i>AS PER APPROVED PLAN.</i>				Thickness of Plating within line of openings...		<i>34</i>	<i>/</i>	
„ „ „ „ „					If Sheathed, material and thickness .....				
<b>Centre Line Bulkhead. IN HOLD.</b>					<b>Third Deck.</b>				
Stiffeners and Spacing.....	<i>BULB ANGLE</i>	<i>10</i>	<i>3 1/2</i>	<i>48</i>	Stringer Plate, breadth and thickness.....				
Plating, thickness of .....	<i>20</i>				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 <del>in Wells</del> .....	<i>58</i>		<i>59</i>	<i>/</i>	If Plated, state thickness .....				
„ „ „ „ in way of Bridge .....					<b>Poop Deck.</b>				
„ Angle <del>in Wells</del> .....	<i>6</i>	<i>6</i>	<i>59</i>	<i>/</i>	Stringer Plate, breadth and thickness .....				
Thickness of Plating abreast Deck openings } <del>in way of Wells</del> .....			<i>48</i>	<i>/</i>	Plating, Sheathing, material and thickness ...				
<del>Thickness of Plating abreast Deck openings } in way of Bridge</del> .....					<b>Bridge Deck.</b>				
Thickness of Plating within line of openings...			<i>38</i>	<i>/</i>	Stringer Plate, breadth and thickness.....				
If Sheathed, material and thickness .....	<i>O.P. 2 1/2' OVER.</i>	<i>CREW'S QUARTERS.</i>		<i>AFT.</i>	Plating, Sheathing, material and thickness ...				
<b>Second Deck.</b>					<b>Forecastle Deck.</b>				
Stringer Plate, breadth and thickness <del>in Wells</del> ...	<i>70 1/2</i>		<i>40</i>	<i>/</i>	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.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? <i>No.</i>	SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL .....	<i>52.</i>	<i>76.</i>	<i>70.</i>	<i>70.</i>	<i>51 x 76.</i>	<i>DOUBLE.</i>	<i>1.</i>	<i>3 3/4.</i>	<i>4 R 6 3 R.</i>	<i>1.</i>	<i>4"</i>	<i>LAPPED.</i>	
„ — <del>Dble.</del> (if any)													
BOTTOM PLATING, No. of Strakes ..... <i>4.</i>	<i>{ 12</i>	<i>.62.</i>	<i>.59.</i>	<i>.59.</i>	<i>.58.</i>	<i>"</i>	<i>7/8</i>	<i>3 1/2.</i>	<i>3 R. FORE &amp; AFT.</i>	<i>7/8.</i>	<i>3 1/2.</i>	<i>"</i>	
BILGE PLATING, No. of Strakes ..... <i>1.</i>		<i>.62</i>	<i>.49.</i>	<i>.49.</i>	<i>.58.</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
SIDE PLATING, No. of Strakes ..... <i>4.</i>		<i>.62</i>	<i>.46</i>	<i>.46</i>	<i>.58.</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
UPPER DECK, Sheer-strake in Wells.....	<i>50</i>	<i>.67.</i>	<i>.46</i>	<i>.46.</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>4 R. TO 3 R.</i>	<i>"</i>	<i>3 1/2.</i>	<i>"</i>	
<del>UPPER DECK, Sheer-strake in Bridge ...</del>													
STRAKE BELOW Sheer-strake in Wells.....	<i>7 1/2</i>	<i>.63</i>	<i>.46</i>	<i>.46.</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>4 R. TO 3 R.</i>	<i>"</i>	<i>3 1/2.</i>	<i>"</i>	
<del>STRAKE BELOW Sheer-strake in Bridge ...</del>													
<del>POOP SIDE PLATING .....</del>													
<del>BRIDGE SIDE PLATING ...</del>													
<del>FORECASTLE SIDE PLATING</del>													

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— 6.						
Extending to Upper Deck (Sec. 3 c).....		1.	(SHELTER DECK).			
,, Deck next below.....		5.				
As per Rule COLLISION TO SHELTER DK. AND 5. TO UPPER DK.						
		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD, Upper tween decks		✓				
,, ,, Second ,,		✓				
,, ,, Third ,,		✓				
,, ,, Holds .....		44/26	11 x 3 1/2 x 37	30'	✓	✓
COLLISION ,, (in Hold) .....		53/26	✓	✓	9 x 3 x 50	24.
AFTER PEAK ,, .....		48/30	11 x 3 1/2 x 48	26 1/4	TUNNEL RECESS.	

## FORGINGS and CASTINGS.

	Castings or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM	FORGING.	10 3/4 x 3.	FROM STOCK.	9 1/2 x 2 1/2.
STERN FRAME		10 1/2 x 7 3/4	DENNISTOWN.	
		9 x 7 3/4	FORGE CO.	
RUDDER—A x D.	390.			
Speed of Vessel	11. KNOTS.			
RUDDER mainpiece at head		9 1/4		
" " heel		7.	N. J. WILTON.	
" how constructed		BUILT. FORGING		
" double or single plate		SINGLE PLATE. 1.00.		
" coupling, vertical or 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 PROCESS.  
 CONSETT. IRON. CO. W. BEARDMORE & CO. THE STEEL CO. OF SCOTLAND, CARGO FLEET IRON CO.  
 Has the Steel been tested as required by the Rules? /ES.







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.)

The following approved plans & reports are forwarded with this report.

Midship Section. Profile & deck plans. Amended sketch of stern frame & rudder. Arrangement of intercostals forward. Pasting arrangements. After peak bulkhead. Pillar & gudgeon plan. Arrangement at head of pillar ladders. Hatch plan. Tunnel plan. Sketch of deep tank. Engine & boiler casings. Bulkhead & Pumping arrangements.

Report on steel forged stern frame and Rudder frame. —also Midship Section of ship as built.

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

1st Bower	HEAD.	36. 0. 5.	K.H.	3896.	27. 5. 26.
2nd "	"	35. 2. 19.	K.H.	3892.	27. 5. 26.
3rd "	"	29. 3. 26.	K.H.	3926.	31. 5. 26. ✓
STRENGTH.	"	17. 0. 23.	M.B.	2744.	27. 4. 26.

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 is joined to the B.D., this should be distinctly stated ✓

COMPLETE SUPERSTRUCTURE VESSEL.

No. and Material of Decks (this information is to be given as it should appear in the Register Book)

1 DK (STL) & SHELTER DK. (STL).

Official No. 149413. ; Signal Letters

Is bottom of Vessel coated with cement YES. if not give

particulars of composition BITUMASTIC ENAMEL IN ENGINE AND BOILER ROOM TANKS. REMAINDER OF DOUBLE BOTTOM TANKS EFFICIENTLY COVERED WITH PORTLAND CEMENT.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	130.0.	374.	Fore peak tank,		82.
Double bottom, under Engines and Boilers,			After peak tank,		126.
Double bottom, if under Engines only,	23.0.	101.	Deep tank, aft, MIDSHIPS.	25.0.	906.
Double bottom, if under Boilers only, (DRY TANK).	22.6.	✓	Deep tank, forward,	✓	✓
Double bottom, forward,	176.0.	584.	Other tanks, if fitted,	✓	✓
Total capacity of double bottom		1059.	(If necessary, furnish further information by sketch.)		
		333.5.	* The wells are not to be included in the lengths of the tanks.		

Order for Special Survey No. 3/71

Date 30th January, 1926

Dates of Surveys held while building

(4926) Feb. 4. 8. 11. 15. 18. 20. 24. 26. Mar. 2. 5. 9. 11. 15. 17. 18. 22. 24. 29. Apr. 1. 5. 7. 9. 14. 16. 20. 26. 28. May 3. 5. 7. 11. 12. 14. 18. 20. 21. 25. 27. 28. June 1. 4. 8. 11. 16. 18. 22. 25. 29. July 10. 19. 22. 23. 26. 28. 30. Aug 4. 9. 12. 18. 19. 23. 24. 25. 27. 31.

Total No. of Visits 65.