

State if Report is sent on the Machinery of the Vessel From Middlesbrough.

TONNAGE under } 4575.17.  
Tonnage Deck... }

CLASS+100R1 with freeboard State if with freeboard } Yes  
as condition of Class }

Built at Sunderland

*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 400.0.

Launched April 25<sup>th</sup> 1929 Yard No. 266

**Total** ✓

**Breadth** (*greatest moulded*) ..... B 53.75

Builders Mess<sup>rs</sup> Bartram & Sons & <sup>Del</sup> "

Gross Tonnage 5052.91.

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) ..... } D 35.83

Owners Messrs W. G. Radcliffe Steamship Co<sup>ltd</sup>  
Messrs Wynnstay Steamship Co<sup>ltd</sup>

Register Tonnage 3014.89

1st Longitudinal Number (L x D)..... = 14,332

Managers Evan Thomas Rudcliffe & Co.  
(Where necessary to be entered in Reg. Book.)

**REGISTERED DIMENSIONS.**

**Framing Depth "d,"** at middle of length. See } 24.2  
Sec. 3 (1d) .....

Residence Cardiff

Length 400.5.

**Proportions**—Depth to Length—Uppermost continuous deck to top of keel ..... } 11.16

Port of Registry London

**Breadth** ..... 54.0.

Do. Long Bridge to top }  
of keel }

If surveyed while building, afloat, ~~or~~ in dry dock

Depth 25.45

**Draught Moulded** ..... 24'-8"

Yes.

	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> .....	B.G. 6 3½ .36	✓
" " from ¾ length to Collision bulkhead.....}	27	✓	" " Reversed Frame .....	B.G. 5½ 3 .36	✓
" " in peaks.....	24	✓	" " Vertical Struts .....	[ 10x3½x3½x42	✓
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	43"x54.	
<b>Frame Amidships, Angle, E or [</b> .....	N.B.S 12 3½ .56	✓	" " top Angles .....	5 5 54	✓
" " Extends up to .....	2 <sup>nd</sup> Deck	✓	" " bottom Angles .....	6 6 60	✓
<b>Reversed Frame Amidships, Angle</b> .....	✓		<b>Side Girders, No. each side and thickness</b> .....	One .42	✓
" " Extends up to...	✓		<b>Margin Plate</b> depth (excl. of flange) and thickness .....	39"x53.	
<b>Depth of Framing Girder</b> .....	12		" " Vertical Angle to Tank side Bracket abaft ¼ len. from stem .....	6 6 .50	✓
<b>Frames in Uppermost Continuous 'tween Decks, Angle, E or [</b> .....	7 3½ .36 alternate	✓	" " Vertical Angle to Tank side Bracket forward ¼ len. from stem .....	5 5 .54	✓
" " <b>Second 'tween Decks, Angle, [ or [</b> .....	✓		" " Gussets, spacing and scantling abaft ¼ len. from stem .....	Every 6x3½x42	✓
" " <b>Third</b> " " " " " " .....	✓		" " Gussets, spacing and scantling forward ¼ len. from stem .....	Every 6x4x46	✓
<b>Framing in Peaks, Angle or [</b> .....	7½ 3½ .36	✓	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	68"x48.	
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b> .....	7/8" - 5½"		<b>INNER BOTTOM PLATING.</b>		
<b>State if Frame Joggled</b> .....	Yes		Breadth and thickness of Middle Line Strake ...	70"x50 +17"	✓
<b>PANTING ARRANGEMENTS</b> (Sec. 7), state system and particulars .....	FRS 15x4x4x 43/64 REV. 6x3½x35 4 Stringers 19x40	✓	Thickness of remainder in Holds .....	.43	
<b>STRENGTHENING OF BOTTOM FORWARD.</b> State Particulars .....	Double frame mid P 3 stringers & transverse at 12 ft. 38 in plates each side	✓	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>SINGLE BOTTOM.</b>			<b>BEAMS.</b>		
<b>Floors, Depth and thickness at mid-line in Holds</b> .....	✓		<b>Uppermost Continuous Deck, amidships)</b> in Wells, Angle, E or [ .....	8½ 3½ .465 6½ 3½ .42	✓
Height of Brackets at side above base line at toe of frame .....	✓		" " in way of Bridge, Angle, [ or [ .....	✓	
<b>Middle Line Keelson, on Floors, Angles, [ or [</b> .....	✓		Spacing .....	Every	✓
" " " Through Plate or Intercostal Plate...	✓		<b>Second Deck, amidships, Angle, E or [</b> .....	11 3½ .505 7 3 .42	✓
" " " Foundation Plate on Floors .....	✓		Spacing .....	Every	✓
" " " Flat Plate Keel Angles .....	✓		<b>Third Deck, amidships, Angle, [ or [</b> .....	✓	
<b>Side Keelsons, No. each side</b> .....	✓		Spacing .....	✓	
" " thickness of Intercostal Plate...	✓		<b>Fourth Deck, amidships, Angle, [ or [</b> .....	✓	
" " Angles .....	✓		Spacing .....	✓	
<b>DOUBLE BOTTOM.</b>			<b>Poop Deck, Angle, [ or [</b> .....	✓	
<b>Solid Floors, thickness and spacing</b> .....	42. Every 3rd	✓	Spacing .....	✓	
" " Are Frame and Reversed Frame joggled? .....	Yes		<b>Bridge Deck, Angle, [ or [</b> .....	✓	
<b>Bracket Floors, breadth and thickness at middle line</b> .....	33"x42.	✓	Spacing .....	✓	
" " breadth and thickness at margin plate .....	32"x42.	✓	<b>Forecastle Deck, Angle, [ or [</b> .....	✓	
			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</b> , No. of Rows.....	3.	✓	Stringer Plate, breadth and thickness in way of Bridge .....	✓	
" in 'tween Decks, Size and Spacing.....	4 1/2" Wide Spaced	✓	Thickness of Plating abreast Deck openings in way of Wells .....	4 1/4 - 3 5/8	re-plan!
" " " " " "	✓		Thickness of Plating abreast Deck openings in way of Bridge .....	✓	
" in Holds " " " "	17" x 60" x 10" x 44" Wide Spaced	✓	Thickness of Plating within line of openings...	33	✓
" " " " " "	✓		If Sheathed, material and thickness .....	✓	
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	12 x 3 1/2 x 68 B.G. 60 7 x 3 x 38 B.G. alternate	✓	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	66" x 60" x 56	re-plan	If Plated, state thickness .....	✓	
" " " " " in way of Bridge	✓		<b>Poop Deck.</b>		
" Angle in Wells .....	5 5 56		Stringer Plate, breadth and thickness .....	✓	
Thickness of Plating abreast Deck openings in way of Wells .....	66 4 46	(re-plan)	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...	38		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...	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.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?		No.		Butts.	
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.	STRAPPED OR LAPPED.	
	Inches.	Inches.	Inches.	Inches.			Diam. Spacing cr. to cr. Inches.		Diam. Spacing cr. to cr. Inches.		
FLAT PLATE KEEL .....	52	7/8	66	66		Double	1 3 7/8	4	1 4	Crapped	
" DBLG. (if any)	✓	✓	✓	✓		✓	✓	✓	✓	✓	
BOTTOM PLATING, No. of Strakes .....	4	58	48	58		Double	7/8 3 1/4	3	7/8 3	Crapped	
BILGE PLATING, No. of Strakes .....	1	58	48	48		do	7/8 3 1/4	3	7/8 3	do	
SIDE PLATING, No. of Strakes .....	5	58	46	58 46		do	7/8 3 1/4	3	7/8 3	do	
UPPER DECK, Sheer-strake in Wells.....	50	66	48	46		do	7/8 3 1/4	4	7/8 3 1/2	do	
UPPER DECK, Sheer-strake in Bridge ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	
STRAKE BELOW Sheer-strake in Wells.....	50	62	48	46		Double	7/8 3 1/4	4	7/8 3 1/2	Crapped	
STRAKE BELOW Sheer-strake in Bridge ...	✓	✓	✓	✓							
POOP SIDE PLATING .....	✓	✓	✓	✓							
BRIDGE SIDE PLATING ...	✓	✓	✓	✓							
FORECASTLE SIDE PLATING	✓	✓	✓	✓							

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c).....	1
" Deck next below.....	5
As per Rule.....	6

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKHEAD</b> , Upper tween decks					
" " Second "					
" " Third "					
" " Holds .....	48-26	12 x 3 1/2 x 52 B.G. 1125	30" x 38"	2 Semi. 600 48" x 48	
<b>COLLISION</b> " (in Hold) .....	56-28	9 x 3 1/2 x 42 B.G.	24	2 Semi. 600 48" x 48	
<b>AFTER PEAK</b> " " .....	36-30	7 x 3 x 44 B.G.	24	2 Semi. 600 24" x 34	

## 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> .....	Roller steel	9 1/4 x 2 1/2	Darlington Forge	
<b>STERN FRAME</b>	Propeller Post .....	Ingot Steel	10 1/2 x 7 1/2	Darlington
	Rudder " .....	Forgings	9 x 7 1/2	Forge
<b>RUDDER—A x D</b> .....		481.		
<b>Speed of Vessel</b> .....		Under 10 knots		
<b>RUDDER</b> mainpiece at head ...	Ingot steel	10"	Darlington	
" " heel ...	Forgings	7 1/2"	Forge	
" how constructed .....		Arms shrunk on		
" double or single plate coupling, vertical or horizontal .....		Smyle 1.08		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). Messrs Pease & Partners, Consett Iron Co., South Durham, Cargo Fleet Iron Co. (Open-hearth process)

Has the Steel been tested as required by the Rules? Yes.



11 JUN 1929

EQUIPMENT No. 36181

LETTER 'Z'

ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, BY STOCK			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				
31,761	1st Bower	61	0	0	✓			48	17	2	0		Byers Smith & Stockless	✓	L.P.H.S. 31.1.29. J.H.B.
31,769	2nd "	60	2	21	✓			48	15	0	0		" " "	✓	L.P.H.S. 14.1.29. J.H.B.
31,810	3rd "	60	1	7	✓			48	12	2	0		" " "	✓	L.P.H.S. 31.1.29. J.H.B.
	Collective weight.	182	0	0								182-0-0			
31,783	Stream	17	3	21	4	2	7	19	0	0	0	17-2-0	Common.		L.P.H.S. 16.1.29. J.H.B.

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.	Statu- tory.	Break- ing.	Supplied.		Per Rule.	Length.	Diam.	Fathoms.					Ins.	Fathoms.		Ins.		
					Cwts.	qrs. lbs.													Cwts.	Fathoms.
16057	270	2 1/4	91	220	127	1000	682	1-21.	682	1-0.	270	2 1/4	8 1/2	L.P.H.S. 30.1.29 J.H.B.	TOWLINE...	120	5	59	120	5
															HAWSERS & WARPS	4-120	3 1/4	22	2-90	2 1/4
																			2-90	2 1/2
Iron Stream Chain or Steel Wire	90	4 3/4	47						90	4 3/4										

Steering Gear, Steam Telemotor. John Cymon

Steering Gear, Hand. 4 1/2 blocks & tackles

Boats 2 Heliboats, 2 Cutters

Steering Chains, Size and Test ✓

Windlass Clarke Chapman

Ceiling in Holds, thickness and material Under Hatches only. 2 1/2" W.P. Cargo Batts, thickness, material and spacing 7" x 2" W.P. space 9" in Holds not fitted in 'ween decks

Cargo Hatchways. (Upper Deck) Steel plates and angles Thickness of Hatches 3"

Size of No. 1 Hatchway (Forward) 31'6" x 25'0" No. 2 35'0" x 25'0" No. 3 28'0" x 20'0" No. 4 35'0" x 25'0" No. 5 35'0" x 25'0" No. 6 10'0" x 7'6"

Number of Shifting Beams and/or Fore and Afters No. 1-6; No. 2, 7; No 3-7; No. 4, 7; No. 5, 7; No. 6-1.

Builder's Signature

W. H. Williams  
for Messrs. Barrow, Hall & Co. Ltd. Sunderland

GENERAL DECLARATION. It should be stated (a) whether the vessel 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 No. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel has been constructed in accordance with the approved plans, the Society's Rules, and the Secretary's letters. The materials and workmanship are good.

The freeboard has been verified, and the marks cut in on the vessel's sides

The double bottom tanks, peak tanks, deckless waterways, bulksheads and tunnel have been tested as required by the Society's Rules, and found satisfactory.

The windlass, steering gear, pumps, ash shoot and W. & D. Doors have been tested & found satisfactory.

The following approved plans are forwarded: Midship Section, Profile Decks, Panting Arrangements, Bulksheads, Pillars & Girders, Amended after Pillars and Girders, Amended decks, Alteration to tank side Rugs, Piping Arrangement of 9 plans. One forging certificate enclosed.

Vessel examined in drydock at Messrs Greenwells, and three slight incidents in shell faired in place.

\* This plan in the London Office.

The amount of Entry Fee ..... £ 9 : - : -

Fees applied for,

Special Survey Fee.... £326: 6 : 6

Freeboard fee 10 1 8

Travelling Expenses, if any £ : : :

Received by me,

5.7.1929

I am of opinion the Vessel should be Classed +100A1 "With Freeboard"

State whether the Vessel has been built under Special Survey

Yes

Signature

Colin Bartlett  
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to SUNDERLAND.

Date of issue

9/7/29

Committee's Minute /

TUE. 18 JUN 1929

Character assigned

-1- 100A1

with freeboard

+hmc 6.29

Lloyd's ascp.

CL.

hmc mds

My



© 2019

Lloyd's Register  
Foundation

W57-0143 2/2



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

1st Bower <sup>including pen</sup> 40-0-21. M.B. 5831. 16.10.28.  
2nd „ 40-1-7. K.H. 5972. 30.11.28  
3rd „ 39-0-14. M.B. 5823. 16.10.28

**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

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 10K:(STL) & 32elterd2(STL)

Official No. 161246; Signal Letters  
particulars of composition

Is bottom of Vessel coated with cement yes if not give

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	130	342	Fore peak tank,	20	128
Double bottom, under Engines and Boilers,	45	188	After peak tank,	20	150
Double bottom, if under Engines only,	—	—	Deep tank, aft,	—	—
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	—	—
Double bottom, forward,	173	616	Other tanks, if fitted,	—	—
Total capacity of double bottom		1,146	(If necessary, furnish further information by sketch.)		

\* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 5682

Date 10.8.28

Dates of Surveys held while building

1928. Aug. 9. Sep. 14. Oct. 31. Nov. 7. 13. 20. 22. 26. Dec. 4. 5. 6. 10. 19. 24. 28. 1929  
Jan. 3. 8. 10. 11. 17. 21. 24. 30. 31. Feb. 5. 7. 13. 19. 28. Mar. 5. 10. 13. 18. 21. 22. 25. 27. Apr. 4. 5. 9  
12. 16. 18. 19. 24. 26. May. 6. 7. June. 14. 16. 8

Total No. of Visits 51