

STEEL STEAMER.

Received at London Office.

Date of completion of report 1st February 1927
Survey held at Sunderland Date

Port of Sunderland

No. 29371

Survey held at Wunderland

Date, First Survey 12th November 23 Last Survey

Survey 1st February 1927.

On the ~~(State of Single, Twin, or Triple Screw)~~

STEAMER "BYRNES"

Rig Fox & aft Schooner

TONNAGE under) 1504.86

CLASS  100. A-1.

FEET.

Master

Year of appointment

(1) As Master in service of owner of present vessel:—191-
(2) As Master of this vessel 191

Do. between ^{LINE OF} Tonnage Dk. 179.68

Breadth (*greatest moulded*)..... 37' 73

3775

Built at

at Sunderland

When built

built 1924

Launched 7th April 1924

By whom

am built Messrs L. L. Thompson & Son

Numero 2

Wm. H. & P. H. on page 18 and 19

Managers

ers

Residence *Sunderland*

DALL

... *Sc. de la* ...

Register Tonnage } 1115.03
as cut on Beam }

Destined Voyage *Coasting*

& Surveyed while Building, Afloat, & in Dry Dock

LENGTH of Deck as per Rule		Feet. Inches. BREADTH Moulded		Feet. Inches. DEPTH, ACTUAL - Top of Floors to top of Upper Dk. Beams		Feet. Inches. No. of Floors to top of Upper Dk. Beams		Feet. Inches. No. of Decks with flat laid		Feet. Inches. No. of Tiers of Beams	
240		0		34		9		18		0	
Moulded depth, ft. 24 ins. 1		To Bridge Dk.		Round of Upper 9 1/2 ins.							
Moulded depth, ft. 20 ins. 1		To Upper Dk.		Dk. Beam, Actual							
Dimensions of Ship per Register, Length 240.8 breadth 38.0 depth 18.0											
FRAMING.				PILLARS.				FRAMES & STRINGERS.			
Inches in Ship.				Inches in Ship.				Inches in Ship.			
Inches per Rule Or as Approved.				Inches per Rule Or as Approved.				Inches per Rule Or as Approved.			
FRAME, Angles, or Bars amidships				PILLARS In 'tween Deck, size and spacing				CENTRE LINE KEELSON, Vertical Plate above			
Do. in peaks				" " Hold				floors, Through Plate, or Intercoastal Plate			
Do. in way of Double Bottoms at Solid Floors				" Quarter 'tween Dks.,				Under Plate			
" " at intermdt. Bkts.				" " in Hold ENGINE ROOM				R. 9" D. IN HOLDS			
Spacing of Frames from centre to centre amidships				FRAMES & STRINGERS.				Flat Plate Keel Angles			
" " from 1/2 length to Collision bulkhead				KEELSONS & STRINGERS.				" " IN DEEP TANK			
" " in peaks				CENTRE LINE KEELSON, Vertical Plate above				Horizontal Plates on Floors FITTED AS APPROVED			
REVERSED FRAME, Angles				" " Bulb Angle Framing				Angles or Bulb Angles			
Do. in way of Double Bottoms at Solid Floors				" " Bulb Angle Framing				SIDE KEELSONS, Number			
" " at intermdt. Bkts.				" " Bulb Angle Framing				Angles or Bulb Angles			
FRAMING, depth of girder				" " Bulb Angle Framing				Plate above floors, for			
FLOORS, depth and thickness of Floor Plate				" " Bulb Angle Framing				Intercoastal Plate, for			
at mid-line for 1/2 length amidships				" " Bulb Angle Framing				Attached to outside Plating with Angle			
in way of Engine and Boiler Spaces				" " Bulb Angle Framing				BILGE KEELSON, Angles			
thickness at the ends of vessel				" " Bulb Angle Framing				Intercoastal Plate for			
depth at 1/2 the half breadth, as per Rule				" " Bulb Angle Framing				Attached to outside Plating with Angle			
height extended at the Bilges				" " Bulb Angle Framing				SIDE STRINGERS, Number			
FLOORS in Cell Double Bottoms				" " Bulb Angle Framing				" " Angle			
state if flanged (top & bottom)				" " Bulb Angle Framing				Intercoastal Plate, for			
Spacing of Solid floors				" " Bulb Angle Framing				Attached to outside plating with Angle			
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.				" " Bulb Angle Framing				Upper Deck Stringer Plate, br'dth & thickness			
Angles, Top				" " Bulb Angle Framing				(clear of Bridge)			
Bottom				" " Bulb Angle Framing				br'dth & thickness			
to Floors				" " Bulb Angle Framing				(in way of Bridge)			
Angles to Floors in MACHINERY SPACE & BOILER				" " Bulb Angle Framing				Angle (clear of Bridge)			
Brackets at intermdt. frmg., with & thcknss.				" " Bulb Angle Framing				Tie Plate at sides of Hatchways			
SIDE GIRDERS, number on each side & thickness				" " Bulb Angle Framing				Deck. * Iron or Steel, for			
state if flanged (top and bottom)				" " Bulb Angle Framing				FULL lng.			
Angles (top and bottom)				" " Bulb Angle Framing				Thickness (clear of Bridge)			
to Floors				" " Bulb Angle Framing				(in way of Bridge)			
MARGIN PLATE, br'dth & thickness				" " Bulb Angle Framing				Wood Deck, Material & thickness			
Angle to Outside Plating				" " Bulb Angle Framing				QUARTER DECK Stringer Plate, br'dth & thickness			
Floors				" " Bulb Angle Framing				Angle on ditto, No.			
Brackets at intermdt. frmg., with & thcknss.				" " Bulb Angle Framing				Tie Plates outside Hatchways			
Height of Outside Brackets above at Bilge				" " Bulb Angle Framing				Deck. * Iron or Steel, for			
INNER BOTTOM PLATING, breadth & thickness of Middle Line Strake				" " Bulb Angle Framing				FULL lng.			
in Engine and Boiler space				" " Bulb Angle Framing				Wood Deck, Material & thickness			
Remainder in Holds				" " Bulb Angle Framing				Third Deck Stringer Plate, br'dth & thickness			
BEAMS, Upper Deck, Single Angle, Bulb				" " Bulb Angle Framing				Angles on ditto, No.			
Angle, Plate, Tee Bulb, or Channel				" " Bulb Angle Framing				Tie Plates, outside Hatchways			
In way of Long Bridge HATCHES				" " Bulb Angle Framing				Deck. * Material and thickness			
Spacing				" " Bulb Angle Framing				Fourth and Fifth Deck Stringer Plate, breadth & thickness			
BEAMS, Second Deck, Single Angle, Bulb				" " Bulb Angle Framing				Angles on ditto, No.			
Angle, Plate, Tee Bulb, or Channel				" " Bulb Angle Framing				Tie Plates outside Hatchways			
In way of DECK CASING				" " Bulb Angle Framing				Deck. Material & thickness			
BEAMS, Third and Fourth Deck, Single Angle, Bulb				" " Bulb Angle Framing				Poop Deck Stringer Plate, breadth & thickness			
Angle, Plate, Tee Bulb, or Channel				" " Bulb Angle Framing				Angle on ditto			
Angles on upper edge				" " Bulb Angle Framing				Tie Plates			
Spacing				" " Bulb Angle Framing				Deck. Material and thickness			
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel				" " Bulb Angle Framing				Bridge Deck Stringer Plate, br'dth & thickness			
Angles on upper edge				" " Bulb Angle Framing				Angle on ditto			
Spacing				" " Bulb Angle Framing				Tie Plates			
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel				" " Bulb Angle Framing				Deck. Material and thickness			
Angles on upper edge				" " Bulb Angle Framing				Forecastle Deck Stringer Plate, br'dth & th'kns			
Spacing				" " Bulb Angle Framing				Angle on ditto			
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel				" " Bulb Angle Framing				Tie Plates			
Angles on upper edge				" " Bulb Angle Framing				Deck. Material and thickness			
Spacing				" " Bulb Angle Framing							

WEB FRAMES.		Inches in Ship.	Inches in Ship.	Inches per Rule. Or as Approved.	Inches per Rule. Or as Approved.
WEB-FRAMES, In Fore Body, No. and spacing		B.A. FRAMES INCREASED IN			
" " " brdth. & thickness		LIEU OF WEB.			
" " " No. of Side Stringers " "		TWO PANTING FRAMES AS SHOWN			
WEB-FRAMES, In E. & B. Space, No. & spacing		BUNKER & DEEP TANK ENDS			
" " " brdth. & thickness					
WEB-FRAMES, In After Body, No. and spacing					
" " " brdth. & thickness					
" " " No. of Side Stringers " "					
" " " Size of Face Angles to Web-Frames.....					
BRACKET PLATES to Stringers between Web Frames, depth and thickness.....					

BULKHEADS.		Number.	Thickness.	STIFFENERS.		Single or Double Frames.	Height up, state deck.
Vessel.	Per Rule.	Inches.	Horizontal.	Vertical.	Size.	Spacing.	Inches.
W.T. BULKHEADS							
FOR PARTICULARS OF W.T. BULKHEADS SEE PAGE 4.							
" COLLISION "							
PARTITION "							
LONGITUDINAL "							

Are the outside Plates doubled two spaces of Frames in length? ☒ Yes.

Are the Staircase Valves and Watertight Doors in efficient working order? ☒ Yes.

FORGINGS or CASTINGS.		Inches in Ship.	Inches per Rule. Or as Approved.
KEEL, Bar, depth and thickness		Flat plate Reel	
STEM, moulding and thickness		7/8 x 2 1/8	7/8 x 2 1/8
STERN-POST for Rudder do. do.		7/8 x 5 1/2	7/8 x 5 1/2
" for Propeller		8 x 5 1/2	8 x 5 1/2
RUDDER—A x D* Table 22. Speed NOT EXCEEDING 10 KNOTS.		78" x 2532" = 19749	
" Main-Piece, diameter at head		6 1/2	6 1/2
" " at heel		4 7/8	4 7/8

RUDDER, how constructed *Forged & arms shrunk on.*

Thickness of ~~Plates~~ Single Plate *.92*

Can the Rudder be unshipped afloat? *Yes.*

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c.? *Open hearth process.*

Steel plates: *Bolckow Vaughan & Co Ltd*

Steel angles: *Large 7 lb I.C. Ltd, Bolckow Vaughan & Co Ltd*

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

PLATING.										RIVETING.									
STRAKES.		AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES, Ordinary or jogged?				BUTTS ENDS LAPS				IF LAPPED.			
		AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		Single or Double.		Breadth of Lap.		RIVETS.		STRAPS.		IF LAPPED.	
		Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing cr. to cr.	Diam.	Spacing cr. to cr.	Breadth.	Thickness.	Breadth.	For what Length.
FLAT PLATE KEEL.....		44	56	52	52	44	56	DOUBLE	5 1/4	7/8	3 1/4	3R F.A.	7/8	3 1/8				9	FULL L
GABBOARD or A Strake		66 1/2	52	40	40		52	"	4 1/2	3/4	3	3R TO 2R	3/4	2 5/8				7 1/2	"
State actual thickness in way of Double Bottom.		66 1/2	52	50	50		52	"	4 1/2	3/4	3	3R F.A.	3/4	"				7 1/2	"
B		63	52	40	46		52	"	4 1/2	3/4	3	3R TO 2R	3/4	"				7 1/2	"
C		62 1/2	52	40	46		52	"	4 1/2	3/4	3	"	3/4	"				7 1/2	"
D		62 1/2	52	40	40		52	"	4 1/2	3/4	3	"	3/4	"				7 1/2	"
E		62 1/2	52	40	40	47	54	DOUBLE	5 1/4	7/8	3 1/4	3R TO 2R	7/8	3 1/8				9	"
F		49	54	40	40	47	54	"	4 1/2	3/4	3	4R TO 3R	7/8	3 1/2				12	"
G		47	64	40	—	47	64												
H		47	54	—	46	47	54	DOUBLE	5 1/4	7/8	3 1/4	3R F.A.	7/8	3 1/8				9	"
I		47	52	—	40	47	52	"	4 1/2	3/4	3	3R TO 2R	3/4	2 5/8				7 1/2	"
J		46	52	—	40		52												
K																			
L																			
M																			
N																			
O																			
P																			
Q																			
R																			
S																			
T																			
U																			
V																			
W																			
X																			
Y																			
Z																			

* Midship thickness maintained to Rule position of collision bulkhead.

Plates on stern post 46 Boss plates 50

Plating increased to .96 at break

Plating increased as above in lieu of doubling

POOP SIDES 54 x 34

SHORT BRIDGE SIDES ... 34

FORECASTLE SIDES

Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.

Upper Deck		Butts, Quad riveted for to abut at end		length amidship.		Butts of Side Stringers		riveted.	
Stringer Plate	Straps, single, double or overlapped for full					Tie Plates			riveted.
QUARTER	Butts, Quad riveted for to meet at end					Inner Bottom Plating, riveting of Edges			Butts, Single riveted.
Second Deck	Straps, single or overlapped for full					Centre Girder Butts, Treb			Keelson Butts, riveted.
Stringer Plate						Frames, riveted through Plates with			in Rivets, about 5 1/4 apart
						Rivets, state whether Iron or Steel.			FOR 3/4 IN PANTING FRAMES.

FRAMES extend in one length from *Centre girder to tank top thence to upper & quarter*

REVERSED FRAMES on floors and frames extend from *centre girder to shell*

State if ordinary or jogged *ordinary*

State if ordinary or jogged *jogged*

MASTS, SPARS, &c.											
		Material.	Total Length.	DIAMETER AND THICKNESS.			No. of Plates in round.	ANGLES.		RIVETING.	
				At Partners.	Heel.	Round.		Number.	Size.	Seams.	Butts.
Fore		PEEL	38-0	19" x 32	16" x 30	15" x 28	2			ANGLE	TREBLE
Main		"	34-3	19" x 32	17" x 30	15" x 28	2			"	"
Mizen											
Bowsprit											
Topmasts, Yards and Remainder of Spars <i>Pitch pine.</i>											
Rigging, Material and Size, Shrouds <i>3 1/2 steel wire.</i>											
Sails. <i>None.</i> Suit of											
Sails, and the following spare sails. <i>Stays 2 1/2 steel wire.</i>											

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Lloyd's Register Foundation

EQUIPMENT No. 16632				LETTER 4				ANCHORS.				TONNAGE U. DK. OR PLATING No. FOR TRAWLERS						
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 31.			Description of Anchor		Makers.	Where and when tested and Superintendent.
		cwts.	qrs.	lbs.	cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	cwts.	qrs.	lbs.				
34530	1st Bower ...	33	2	0	TUCKLE'S			31	5	0	0	33	0	0	SYKES "BRITANNIC"	R. SYKES & SON LTD.	CRADLEY HEATH, 17/6/20 S.C.P.	
34623	2nd " ...	32	1	8	"			30	8	0	14	33	0	0	" "		" " 25/6/20 "	
34478	3rd " ...	28	1	14	"			27	8	0	14	28	0	0	" "		" " 16/6/20 "	
	4th " ...																	
	Collective weight	94	0	22								94	0	0				
34660	Stream	8	2	24	2	1	0	10	17	2	0	8	2	0	ORDINARY F.W.I.	"	CRADLEY HEATH 9/7/20 S.C.P.	
	Kedge.....	✓																
Particulars of Drop Test of 1st Bower (Weight including ...) ...																		

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

1st Bower	(Weight including cup + pin)	19 - 0 - 14	D.D.W.	33/6	27 th April 1920.
2nd "	" " " "	18 - 3 - 8	D.D.W.	33/9	27 th April 1920.
3rd "	" " " "	16 - 3 - 0	D.D.W.	20/4	29 th April 1919.
4th "	(See Secretary's Letter of 26 th May 24 (Ref M) re weight of cast steel heads of these anchors)				

STEERING CHAINS.												HAWERS AND WARPS.							
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and size per Table 31.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and size supplied.		Breaking Test of Steel Wire Towline.	Length and size per Table 31.			
	Length.	Diam.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.	Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts. qrs. lbs.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.		
71341	240 ⁵ / ₁₆	1 ¹ / ₁₆	51 ¹ / ₄	41 ³ / ₄	349-3-3	345-3-22	240	1 ¹ / ₁₆	PUOLINK	✓	NETHERTON, 3/3/20. W.A.D.	TOWLINE	40	3 ¹ / ₂	26	40	3 ¹ / ₂		
Iron Stream Cable or Steel Wire		Or.	✓	✓								HAWERS & WARPS	2290	2 ¹ / ₄	9 ¹ / ₂	2290	2 ¹ / ₄		
	75	4		33	✓		75	4			Steel wires certified for 1400 lbs. in 3rd	" "	2290	1 ³ / ₄	5 ¹ / ₂	2290	1 ³ / ₄		

Boats 2 LIFEBOATS 22'-0" & 1 DINGHY 14'-0"
Pumps, Number ONE ROTARY HAND PUMP TO FORE PEAK FLAT
Windlass is by Clarke Chapman & Co Ltd
Engine Room Skylights.—How constructed? Steel plates + angles
Coal Bunker Openings.—How constructed? Steel plates + angles
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 7 scuppers each side: Freeing ports 6 for 2 3'-5¹/₂" x 1'-9" & 6 for 2 2'-7¹/₂" x 1'-3" each side.
Ceiling in Holds, thickness and material Gilding 2¹/₂" W. fitted over frame bracks only
Cargo Hatchways.—How formed? Steel plates and angles
State size No. 1 Hatch (Forward) 34'-1" x 26'-8" (MEAN) No. 2 Hatch 37'-8" x 25'-0" (MEAN) No. 3 Hatch 29'-0" x 24'-0" (MEAN) No. 4 Hatch 34'-5" x 21'-8" (MEAN)
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 6 web hatches No. 1, 2 & 4. 5 web No. 3 hatch.
Bulwarks, height above deck and description 4'-0" IN FORE WELL. 3'-1" R. & D. STEEL 24
The foregoing is a correct description.
Builder's Signature (here only) JOSEPH L. THOMPSON & SONS, LIMITED.
Surveyor's Signature W. T. Hudson & T Shaw
Surveyor to Lloyd's Register of Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)

Workmanship. Are the butts of plating planed or otherwise fitted? Overlapped + planed.
Is the riveted work properly closed? Yes.
Are the liners between the frames and plates solid single pieces? Jogged plating.
to plate, &c., conform well to each other? Yes.
from the faying surfaces? Yes.
Do any rivets break into or through the seams or butts of the plating? a few.
Are the butts of Plating, Stringers, &c., properly shifted and strapped? Yes.
Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Yes.
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes.
State results of tests satisfactory

General Remarks (State quality of workmanship, &c.) This vessel has been constructed in accordance with the approved plans, the Secretary's letters and the Rules.
The materials and workmanship are good.
The freeboard has been verified + the marks cut up on the vessel's sides.
The approved plans (16) and forging reports (3) are forwarded herewith.
Please return the plans for use in connection with a sister vessel.

The plans of midship section + elevation showing the vessel as built are forwarded herewith.
This vessel was launched on 7th April 1924 and laid afloat in the River Wear until February 1926, was dry docked on 8th February 1926 and remained in dry dock until 30th September 1926 and has laid afloat in the River Wear from October 1926 to date.
The external surfaces of shell plating were cleaned + coated in dry dock, the upper surfaces of tank top plating have been kept coated with oil, and the steel + other materials are generally free from oxidation + in good condition.
The sister vessel yet constructed. Ss Ramshope Sunderland report No 29372
The Surveyor should state the Number of Report and Name of any Sister Vessel.
Plans to be forwarded with F.E. Report showing vessel as built.

The amount of Entry Fee £ 5 : 0 : 0
Special Survey Fee £ 169 : 16 : 0
Travelling Expenses, if any £ 6 : 0 : 0
State whether the Vessel has been built under Special Survey Yes
I am of opinion this Vessel should be Classed 100. A.1.
With, or without Freeboard, as condition of Class without.
Committee's Minute TUES. 8 FEB 1927
Character assigned 100 A.1.
Hull & Machinery Certificate to be sent to SUNDERLAND Date of issue 14/2/27
Received by me, W. T. Hudson & T Shaw
Surveyor to Lloyd's Register of Shipping.

Character assigned 100 A.1.
Hull & Machinery Certificate to be sent to SUNDERLAND Date of issue 14/2/27
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GENERAL REMARKS—(continued).

W.T. BULKHEADS	NUMBER		THICKNESS	STIFFENERS		SPACING	FRAMES		HEIGHT UP STATE DECK
	VESSEL	PER RULE		HORIZONTAL	VERTICAL		SINGLE OR DOUBLE		
AFTER PEAK NOS { 8 7 10	4	4	'46 - '35 (.62 SHIP)	SEMI-BOX BEAM + W.T. FLAT	9x3x50 B.A.	24"	SINGLE	POOP D.K.	
			'32 - '30, '38 (POOP FRONT)		7x3x48 + 6x3x34 B.A.	24"			
NO 46				HORIZONTAL GIRDERS IN DEEP TANKS AS APP.	POOP FRONT 4x3x32 D.A. + 4x3x30 D.A.	33"	SINGLE	R. Q'S D.K.	
			'38 - '30		10x3x42 B.A. (DEEP TANKS)	29"			
					9x3x42 B.A. (" " PORT)	25"			
					10x3x46 + 6x3x32 B.A. (CENTRE)	30"			
NO 67			Wing deep tanks as approved		6x3x42 to 6x3x30 (CENTRE)	30"	SINGLE	UPPER D.K. AND HATCH TOP.	
			'42 - '28	PLATE + BEAM AT U.D.K.	9x3x38 B.A. (WINGS)	25"			
			'44 - '40 (CRANKED PORTION)	LEVEL WITH STIFFENERS					
COLLISION D.K. NO 108.				BRACKETED.			SINGLE	UPPER D.K.	
			'44 TO '26	TWO SEMI-BOX BEAMS + FORE PEAK FLAT	6x3x36 B.A. 4x3x32 (D.A.) PEAK TOP TO U.D.K.	24 24			

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 20.59 ft., R.Q.D. 125.67 ft., Bridge 12.08 ft., Forecastle 22.16 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ✓

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as should appear in the Register Book) 1 D.K. (STEEL) well deck.

Official No. 148.354; Signal Letters

How are the surfaces preserved from oxidation? Inside Paint + cement (cemented throughout) Outside Paint.

State if Machinery is fitted aft No.

How are the surfaces preserved from oxidation? Inside Paint + cement (cemented throughout) Outside Paint.

State whether the Double bottom is constructed on the cellular system or with girders on floors Cellular system

Where Fitted.	Length.		Water Capacity.	Where Fitted.	Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	84.58	180		Fore peak tank,	14.5	44	
Double bottom, under Engines and Boilers,	36.25	94		After peak tank,	20.0	99	
Double bottom, if under Engines only,	✓	✓		Deep tank, IN ENGINE ROOM (PORT SIDE)	9.66	34	
Double bottom, if under Boilers only,	108.33	246		Deep tank, " (STARBOARD SIDE)	12.08	42	
Double bottom, forward,	✓	✓		Other tanks, if fitted,			
Total capacity of double bottom	229.16	523		(If necessary, furnish further information by sketch.)			

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

State whether the above have been tested as required by the Rules. Yes.

Order for Special Survey No. 5549

Date 30.7.23

No. 550 in builder's yard.

DATES OF SURVEYS held while building

1923. Nov. 12, 13, 14, 16, 19, 21, 22, 26. Dec. 3, 7, 11, 13, 27. 1924. Jan. 4, 16, 25, 28, 31. Feb. 1, 2, 3, 5, 6, 7, 11, 14, 18, 20, 24, 25, 26, 27, 28, 31. Apr. 1, 2, 3, 7, 10, 17, 24, 30. May 20, 21, 23, 30. 1926. Feb. 11. 1927. Jan. 18, 20, 25, Feb. 1

Total No. of Visits 54

Surveyor's Signature

W. T. Hudson.

Rpt. 9.

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