

STEEL STEAMER or MOTORSHIP.

Received at London Office 21 DEC 1925

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*

No. 79910

Date of completion of report 11th December 1925

Port of NEWCASTLE-ON-TYNE

1925

Survey held at Newcastle-on-Tyne

Date First Survey 10 February

Last Survey 11th December

1925

On the (State if Machinery fitted with or without Tonnage Openings) *Steel Twin Screw Steamer* **SIRDHANA**State Type (Full scantling, complete superstructure with or without Tonnage Openings) *Complete Superstructure without Tonnage Opening* State Type of Erections *Pop Bridge & 2nd Deck Discontinued*TONNAGE under Tonnage Deck... *6718.77* CLASS **100A1** State if with freeboard as condition of Class *Yes* Built at *Walker-on-Tyne*Do. of space or spaces between Tonnage Deck and Upper Deck... Launched *5th October* Yard No. *1200*Total Builders *Swan Hunter & Wigham Richardson Ltd*Gross Tonnage *7745.33* Owners *British India Steam Navigation Co*Register Tonnage *4835.39* Managers *✓* (Where necessary to be entered in Reg. Book.)Framing Depth "d" at middle of length, See Sec. 3 (1d) *16.0* Residence *London*Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.94* Port of Registry *London*Do. Long Bridge to top of keel *9.85* If surveyed while building, afloat, or in dry dock Draught Moulded *33.5* *Special Survey*

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	<i>3 1/2</i>		Bracket Floors, Frame <i>B.A.</i>	<i>10 3 1/2 54</i>
" " from 1/2 length to Collision bulkhead	<i>27</i>		" " Reversed Frame <i>B.A.</i>	<i>10 3 1/2 46 8 1/2 x 3 x 54</i>
" " in peaks	<i>24</i>		" " Vertical Struts <i>B.A.</i>	<i>10 3 1/2 46 9 1/2 x 3 x 54</i>
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>45 x 58 64 B.S.</i>
Frame Amidships, Angle, E or L	<i>8 1/2 3 1/2 48</i>		" " top Angles <i>Double</i>	<i>3 1/2 3 1/2 54</i>
" " Extends up to	<i>Upper Deck</i>		" " bottom Angles <i>Double</i>	<i>5 5 62</i>
Reversed Frame Amidships, Angle	<i>10 4 56 15 1/2 x 3 1/2 10 3 1/2 48</i>		Side Girders, No. each side and thickness	<i>One 42 52 B.S.</i>
" " Extends up to	<i>5 3 1/2 40 13 1/2 x 3 1/2 10 3 1/2 48</i>		Margin Plate depth (excl. of flange) and thickness	<i>38 x 54 60 B.S.</i>
Depth of Framing Girder	<i>8 1/2 and 13 1/2 when No. 3 Deck</i>		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	<i>6 6 58</i>
Frames in Uppermost Continuous 'tween Decks, Angle, E or L	<i>8 1/2 3 1/2 48 8 x 3 1/2 x 48</i>		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	<i>6 6 58</i>
" " Second 'tween Decks, Angle, E or L	<i>8 1/2 3 1/2 48</i>		" " Gussets, spacing and scantling abaft 1/2 len. from stem	<i>Grey frame 3 1/2 x 3 1/2 42</i>
" " Third " " " "			" " Gussets, spacing and scantling forward 1/2 len. from stem	<i>Grey frame 3 1/2 x 3 1/2 46</i>
Framing in Peaks, Angle or L	<i>8 1/2 3 1/2 48</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>7 1/2 x 42 46</i>
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>3 spaced 5 1/2 apart</i>		INNER BOTTOM PLATING.	
State if Frame Joggled	<i>Yes</i>		Breadth and thickness of Middle Line Strake	<i>5 1/2 x 52</i>
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>2 Panting Stringers + 4 Hold frames</i>		Thickness of remainder in Holds	<i>4 1/2 x 40</i>
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>2 Half height indicated girders and 5 x 5 1/2 frame angles as per approved plan</i>		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?	<i>Yes</i>
SINGLE BOTTOM.			BEAMS.	
Floors, Depth and thickness at mid-line in Holds	<i>✓</i>		Uppermost Continuous Deck, amidships in Wells, Angle, E or L	<i>8 3 1/2 50</i>
Height of Brackets at side above base line at toe of frame	<i>✓</i>		" " in way of Bridge, Angle, E or L	<i>8 3 1/2 48</i>
Middle Line Keelson, on Floors, Angles, L or E	<i>✓</i>		Spacing	<i>On every frame</i>
" " Through Plate or Intercoastal Plate	<i>✓</i>		Second Deck, amidships, Angle, E or L	<i>8 1/2 3 63</i>
" " Foundation Plate on Floors	<i>✓</i>		Spacing	<i>On every frame</i>
" " Flat Plate Keel Angles	<i>✓</i>		Third Deck, amidships, Angle, E or L	<i>8 1/2 3 61</i>
Side Keelsons, No. each side	<i>✓</i>		Spacing	<i>On every frame</i>
" " thickness of Intercoastal Plate	<i>✓</i>		Fourth Deck, amidships, Angle, L or E	<i>✓</i>
" " Angles	<i>✓</i>		Spacing	<i>7 3 1/2 42</i>
DOUBLE BOTTOM.			Poop Deck, Angle, E or L	<i>7 3 1/2 42</i>
Solid Floors, thickness and spacing	<i>4 1/2 holds 4 1/2 E.S. 52 B.S. Every 3rd frame in holds</i>		Spacing	<i>On every frame</i>
" " Are Frame and Reversed Frame joggled?	<i>Frame only</i>		Bridge Deck, Angle, E or L	<i>8 3 1/2 46</i>
Bracket Floors, breadth and thickness at middle line	<i>5 1/2 x 42 52 B.S.</i>		Spacing	<i>On every frame</i>
" " breadth and thickness at margin plate	<i>4 1/2 x 42 52 B.S.</i>		Forecastle Deck, Angle, E or L	<i>8 3 1/2 51</i>
			Spacing	<i>On every frame</i>

PILLARS, No. of Rows.....			INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
"	in 'tween Decks, Size and Spacing	2 3/4 Alternate frames	✓	
"	" " " " "	Lower 3 3/8 " "	✓	
"	in Holds	1 1/2 - 13 x 14 22 ga profile	✓	
"	" " " " "		✓	
Centre Line Bulkhead.				
Stiffeners and Spacing.....		✓		
Plating, thickness of		✓		
STRINGERS AND DECKS.				
Uppermost Continuous Deck.				
Stringer Plate, breadth and thickness in Wells	78 x 76	61 x 76	✓	
" " " " " in way of Bridge	78 x 42	49 x 42	✓	
" Angle in Wells	6	6 7/16	✓	
Thickness of Plating abreast Deck openings in way of Wells	31 - 36		✓	
Thickness of Plating abreast Deck openings in way of Bridge	38		✓	
Thickness of Plating within line of openings...	42		✓	
If Sheathed, material and thickness	2 1/2 inch where exposed		✓	
Second Deck.				
Stringer Plate, breadth and thickness in Wells...	49 x 42		✓	
Stringer Plate, breadth and thickness in way of Bridge			✓	
Thickness of Plating abreast Deck openings in way of Wells			✓	
Thickness of Plating abreast Deck openings in way of Bridge			✓	
Thickness of Plating within line of openings...			✓	
If Sheathed, material and thickness			✓	
Third Deck.				
Stringer Plate, breadth and thickness.....	49 x 38		✓	
If Plated, state thickness.....	34 - 32		✓	
Fourth Deck.				
Stringer Plate, breadth and thickness.....			✓	
If Plated, state thickness			✓	
Poop Deck.				
Stringer Plate, breadth and thickness	37 x 36		✓	
Plating, Sheathing, material and thickness	2 1/4 sheathed 2 1/2 inch		✓	
Bridge Deck.				
Stringer Plate, breadth and thickness.....	78 x 50	61 x 50	✓	
Plating, Sheathing, material and thickness	40 sheathed 2 1/2 inch where exposed 2 1/2 O.P. in accommodation		✓	
Forecastle Deck.				
Stringer Plate, breadth and thickness.....	36		✓	
Plating, Sheathing, material and thickness	36 inch sheathed under headlines		✓	

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <i>Ordinary</i>				BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		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	50	1'84	74	74		Double	1	3 1/2	4 - 1/2 length	1	4	Lapped	
" DELG. (if any)	✓					✓			✓	✓		✓	
BOTTOM PLATING, No. of Strakes ...3.....		1'66	50	66		"	7/8	3 1/2	4 - 1/2 length	7/8	3 1/2	Lapped	
BILGE PLATING, No. of Strakes 1.....		1'66	48	66		"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes 5.....		1'65	48	65+48		"	"	"	3 1/2 + aft	"	3 1/2	"	
UPPER DECK. Sheer-strake in Wells.....	75	1'82	48	48		"	1	"	4 - 1/2 length	1	4	"	
UPPER DECK. Sheer-strake in Bridge ...	75	1'65	✓	✓		"	7/8	"	3 in Bridge	7/8	3 1/2	"	
STRAKE BELOW Sheer-strake in Wells.....		1'65	48	48		"	"	"	3 7/8 + aft	"	"	"	
STRAKE BELOW Sheer-strake in Bridge ...		1'65	✓	✓		"	"	"	"	"	"	"	
POOP SIDE PLATING		1'40	✓	✓		Single	"	"	2 in Poop	3/4	2 5/8	"	
BRIDGE SIDE PLATING ...		1'69	✓	✓		Double	"	"	4 in Bridge	7/8	3 1/2	"	
FORECASTLE SIDE PLATING		1'42	✓	✓		Single	"	"	2 in 4 cl	3/4	2 5/8	"	

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

Extending to Upper Deck (Sec. 3 c) ☒

.. Deck next below ☒

As per Rule ☒ ☒ ☒ ☒ ☒

	Castings or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓	✓	✓	✓
STEM		Roll'd 10 x 2 3/4	G. Heilmann.	
STERN FRAME {	Propeller Post	✓	✓	✓
	Rudder	8 x 4 1/2	G. Landsch.	
RUDDER-A x D	566	✓		
Speed of Vessel	12 K.	✓		
RUDDER mainpiece at head ..	Forged Steel	1 1/2	Langley Fox + Mans Reckers!	11
" " heel ..	" "	8 3/8		8 1/4
" " how constructed	Keyed arms at each pintle			
" " double or single plate coupling, vertical or horizontal ..	Single plate 1-10			
" " " " " "	Vertical Coupling			

	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) (<i>Open Hearth</i>). <i>The Lamarkshire.</i>
STEEL.	<i>Steel Co. Cargo & Mail Ports, Societe Barham Steel & Iron Co., Birmingham Long etc., Skinningport Iron Works, Bolshon Puzhanov etc., David Colville Sons - he</i> <i>Steel Co. Scotland, Societe Anonyme d'Alusua - Gueorgiev</i>
	Has the Steel been tested as required by the Rules? <i>Yes.</i>

EQUIPMENT No. <u>43836</u>										LETTER <u>C+</u>		ANCHORS.	
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK		WEIGHT OF STOCK		TEST, PER CERTIFICATE		WEIGHT REQUIRED BY TABLE 53.		Description of Anchor.	Makers.	Where and when tested and Superintended.	
		Cwts.	lbs.	Cwts.	lbs.	Tons.	cwts.	qrs.	lbs.				
<u>87874</u>	1st Bower ...	<u>79</u>	<u>1</u>	<u>80</u>	<u>0</u>	<u>58</u>	<u>6</u>	<u>1</u>	<u>0</u>	<u>44</u>	<u>Hells (Cast-steel Head)</u>	<u>N. Hingley & Co. Ltd.</u>	<u>Nathuston 31.5.21 L. Wright</u>
<u>87873</u>	2nd „ ...	<u>76</u>	<u>1</u>	<u>25</u>	<u>0</u>	<u>57</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>44</u>	<u>ditto</u>	<u>ditto</u>	<u>ditto</u>
<u>87872</u>	3rd „ ...	<u>66</u>	<u>1</u>	<u>4</u>	<u>0</u>	<u>51</u>	<u>16</u>	<u>1</u>	<u>0</u>	<u>65 1/2</u>	<u>ditto</u>	<u>ditto</u>	<u>ditto</u>
	Collective weight	<u>222</u>	<u>0</u>	<u>1</u>	<u>0</u>					<u>219 1/2</u>			
<u>87886</u>	Stream	<u>22</u>	<u>3</u>	<u>0</u>	<u>0</u>	<u>22</u>	<u>18</u>	<u>3</u>	<u>0</u>	<u>22</u>	<u>Rodgers</u>	<u>ditto</u>	<u>Nathuston 7.8.21 L. Wright</u>

Number of Certificate.	Length and size supplied.		Test per Certificate. Stations—Break- tors.	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.		Supplied.	Per Rule.	Length.	Diam.					Length.	Inch.		Length.	Inch.
76818	Fathoms 150	2 1/4	106 1/2	Tons 497 1/2	Owts. grs. lbs. 446-3-2 1/2	300	2 1/4	Steel	H. Kingsley & Son & Wm. Johnston 2025 N. Green		TOWLINE... HAWSEYS & WARPS	Fathoms 130	Inch. 5 1/4	Tons 80	Fathoms 130	Inch. 5 1/4
76806	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
76835	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
76834	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Iron Steam Chain— as Steel Wire	120	4 1/2	59			120	5				"					

Steering Gear, Steam *Hastie & Co (Wilson Pine Type)* Steering Gear, Hand *Combined*

Boats *12 Life Boats* Steering Chains, Size and Test *Rel* Windlass *Clarke Chapman & Co.*

Ceiling in Holds, thickness and material *2 1/2 pine over timbers* Cargo Battens, thickness, material and spacing *2 in. W. Japan Ash & Green Ash*

Cargo Hatchways.—(Upper Deck) *Steel plates and angles as per Section* Thickness of Hatches *3"*

Size of No. 1 Hatchway (Forward) *22' 6" x 14' 0" x 2 1/2"* No. 2 *22' 6" x 14' 0" x 2 1/2"* No. 3 *21' 0" x 14' 0" x 2 1/2"* No. 4 *21' 0" x 14' 0" x 2 1/2"* No. 5 *18' 0" x 14' 0" x 2 1/2"* No. 6 *18' 0" x 14' 0" x 2 1/2"*

Number of Shifting Beams and/or Fore and Afters *4 in No 1 & 2, 3 in No 3 and 4*

FOR
SWAN, HUNTER & WIGHAM RICHARDSON, LTD
E. D. Hunter

Builder's Signature

GENERAL DECLARATION This vessel has been built in accordance with the approved plans, the Committee's letter of instruction and the Society's printed rules. The materials and workmanship employed during the construction are of good quality. The keelboard has been verified and the keelboard marks cut in on the vessel's sides. The double bottom tanks, fore and aft peak tanks, fresh water tanks between tunnels, weather decks, watertight doors and shell doors, tunnels and V.S. Bulkheads have been satisfactorily tested in accordance with rule requirements. The steering gear, secondary means of steering, winches and windlasses have been seen under working conditions.

For list of approved plans see Moe report No 78932 on the Sister Vessel of "Santhia"

5 Forging reports attached

On completion the vessel was placed in Dry Dock and the bottom and rudder cleaned, examined and re-painted.

The amount of Entry Fee £ 10 : 0 : 0 } Fees applied for,
Special Survey Fee.... £ 393 : 12 : 6 } 19 DEC 1925
Travelling Expenses, if any £ 13 : 0 : 0 } Received by me,
State whether the Vessel has been built under Special Survey Yes
Certificate to be sent to Newcastle Date of issue 23/12/25

Committee's Minute _____

Character assigned _____

TUES. 22 DEC 1925

10001

wish freeboard
Lloyd a & C. O.
J. D. C. O.

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Lloyd's Register
W477-0338 2/1
Foundation

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	<i>43, 3.14, including pins.</i>	<i>49-3-14, D.W.</i>	<i>7th 417</i>	<i>6th July 1925</i>
2nd "	<i>46.2.22</i>	<i>"</i>	<i>53-0-16, H.T.</i>	<i>7th 8, 16th "</i>
3rd "	<i>40.0.22</i>	<i>"</i>	<i>45-0-0, T.L.</i>	<i>7th 1, 25th March "</i>

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *44-4¹/₂ ft.*, R.Q.D. *✓* ft., Bridge *144-4¹/₂ at side* *147-4¹/₂ at Centre* ft., Forecastle *45-10¹/₂ ft.*
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *The Poop is not joined to the Bridge Deck.*

No. and Material of Decks (this information is to be given as it should appear in the Register Book) *2 Dks (all) (weather dk - black s. 3rd dk (stl) in hulls*

Official No. *148712* : Signal Letters _____ Is bottom of Vessel coated with cement *yes* if not give particulars of composition _____

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<i>110-3</i>	<i>356</i>	Fore peak tank,	<i>24-1¹/₂</i>	<i>108</i>
Double bottom, under Engines and Boilers,	<i>81-4¹/₂</i>	<i>404</i>	After peak tank,	<i>24-0</i>	<i>165</i>
Double bottom, if under Engines only,	<i>✓</i>		Deep tank, aft, <i>Fresh Water Tank aft</i>	<i>36-9</i>	<i>54</i>
Double bottom, if under Boilers only,	<i>✓</i>		Deep tank, forward, <i>Fwd Tank (7.61)</i>	<i>28-10¹/₂</i>	<i>140</i>
Double bottom, forward,	<i>152-3</i>	<i>532</i>	Other tanks, if fitted,		
Total capacity of double bottom		<i>1292</i>	(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. *5742*

Date *12.6.25*

Dates of Surveys held while building

1925
Feb. 10. 13. 18. 26. Mar. 2. 12. 24. Apr. 9. 21. 23. 28. May 4. 12. 14. June 3. 5. 11. July 2. 7. 13. 17. 20. 22. 24. 27. 31. Aug 4. 10. 26. 29. Sep. 4. 15. 16. 21. 23. 25. Oct. 2. 5. 22. 29. Nov. 12. 17. 18. 19. 20. 27. Dec. 3. 5. 7. 8. 9. 11.

Total No. of Visits *53*