

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office MON DEC 15, 1913

Date of completion of report 13 Dec. 1913 Port of SUNDERLAND
Survey held at SUNDERLAND Date, First Survey 19-5-13 Last Survey 7th Dec. 1913
On the (Name of Ship, Tonnage, or Tonnage Screw) S S "BERTRAND" Rig Schooner

TONNAGE under Tonnage Deck... Do. between Tonnage Dk. and 3rd and 4th Dk. } Total under Upper Dk. 3577.74 Do. of Poop EXPANSION HATCH 16 Do. of R. Q. Dk. } Do. of Bridge House 4.23 Do. of Forecastle 41.32 Do. of Houses on Dk. 82.75 Do. of excess of Hatchways 24.80 Do. above Crown of Engine Room 82.15 Gross Tonnage 3613.15 Less Crew Space 91.53 Less above Crown of Engine Room 82.15 TONNAGE FOR FEES 3439.47 Less Engine Room 1156.21 Less Navigation Spaces 83.28 Register Tonnage as cut on Beam 2282.13	CLASS +100A.1. Breadth (greatest moulded) 51.5 Depth, at middle of length from top of keel to top of upper deck beams at side 23.3 Transverse Number 74.8 Length on deck from fore part of stem to after part of stern post 360 Longitudinal Number 26938 Depth "d," at middle of length (See Secs. 2 & 13) 20.21 Proportions—Depths to Length—Upper Deck Beam at side to top of keel 15.43 " " Long Bridge Deck Beam at side to top of keel 11.86	Master ISAAC JENKINS Year of appointment 1897 Built at SUNDERLAND When built 1913 Launched 14-11-13 By whom built R THOMPSON & SONS L^d Owners TURNBULL BROS Managers (Where necessary to be entered in Reg. Book.) Residence CARDIFF Port belonging to CARDIFF
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LENGTH on Deck as per Rule 360	BREADTH—Moulded 51	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams 20	No. of Decks with flat laid ONE
		Do. do. do. do. Second Dk. Beams 11	No. of Tiers of Beams ONE

Dimensions of Ship per Register, Length 360 breadth 51.8 depth 20.9
Moulded depth, ft. 30 ins. 4 To Bridge Dk. Round of Upper Dk. Beam, Actual 12 1/2 ins.
Moulded depth, ft. 23 ins. 4 To Upper Dk.

FRAMING.				PILLARS.			
FRAME, Angles, or Bars amidships	Inches in Ship	Inches in Ship	Inches in Ship	PILLARS, In 'tween Deck, size and spacing	Inches in Ship	Inches in Ship	Inches in Ship
Do. in peaks	9 1/2	3 1/2	54	" " Hold	2 3/8	49	2 3/8
Do. in way of Double Bottoms at Solid Floors	9 1/2	3 1/2	58	" " Quarter 'tween Dks.,			
" " at intermdt. Bkts.	6 1/2	3 1/2	40	" " in Hold			
Spacing of Frames from centre to centre amidships	3 1/2	3 1/2	38				
" " from 1/2 length to Collision bulkhead	7	3 1/2	48				
" " " in peaks..	24 1/2		24 1/2				
REVERSED FRAME, Angles	24 1/2		24 1/2				
Do. in way of Double Bottoms at Solid Floors	24		24				
" " at intermdt. Bkts.	3 1/2	3 1/2	38				
FRAMING, depth of girder	7	3	48				
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	9 1/2		9 1/2				
" in way of Engine and Boiler Spaces	3 1/2	3 1/2	38				
" thickness at the ends of vessel	3 1/2	3 1/2	38				
" depth at 1/2 the half breadth, as per Rule	7	3	48				
" height extended at the Bilges	3 1/2	3 1/2	38				
FLOORS in Cell Double Bottoms	Two	36	Two				
" state if flanged (top & bottom)	NOT FLANGED						
" Spacing of Solid floors	3 1/2	3 1/2	38				
CENTRE GIRDER, in Dbl. bottom, dpth. & thknss.	3 1/2	3 1/2	38				
" " Angles, Top SINGLE	4 1/2	4 1/2	58				
" " Bottom DOUBLE	4 1/2	4 1/2	58				
" " to Floors	3 1/2	3 1/2	38				
" Brackets at intermdt. frmg., wdth & thknss	36	38	36				
SIDE GIRDERS, number on each side & thickness	Two	36	Two				
" state if flanged (top and bottom)	NOT FLANGED						
" Angles (top and bottom)	3 1/2	3 1/2	38				
" " to Floors	3	3	38				
MARGIN PLATE, depth (exclusive of flange) and thickness	32	44	32				
" Angle to Outside Plating	3 1/2	3 1/2	44				
" Floors	3 1/2	3 1/2	38				
" Brackets at intermdt. frmg., wdth & thknss	36	38	36				
Height of Outside Brackets above at bilge	23		23				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	58	48	58				
" in Engine and Boiler space	46	54	46				
" Remainder in Holds	38		38				
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9 1/2	3 1/2	56				
" In way of Long Bridge	9	3 1/2	52				
" Spacing	ON EVERY FRAME						
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8 1/2	3 1/2	50				
" Spacing	ON EVERY FRAME						
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9 1/2	3 1/2	56				
" Angles on upper edge	3 1/2	3 1/2	46				
" Spacing	ON EVERY FRAME						
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7	3	40				
" Angles on upper edge	ON EVERY FRAME						
" Spacing	ON EVERY FRAME						
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8 1/2	3 1/2	50				
" Angles on upper edge	ON EVERY FRAME						
" Spacing	ON EVERY FRAME						
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9 1/2	3 1/2	56				
" Angles on upper edge	3 1/2	3 1/2	46				
" Spacing	ON ALTERNATE FRAMES						

* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

WEB FRAMES. In Fore Body, No. and spacing
No. of Side Stringers
WEB FRAMES, In E. & B. Space, No. & spacing
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

FORGINGS or CASTINGS.
KEEL, Bar, depth and thickness
STEM, moulding and thickness
STERN POST for Rudder do. do.
RUDDER-Axle Table 22. Speed 9 knots
Main Piece, diameter at head
at heel

RUDDER, how constructed FORGED AND BUILT
Thickness of Plates or Single Plate 1.04
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
STEEL PLATES. BOLCHOW VAUGHAN, CONSETT, SOUTH DURHAM.
STEEL ANGLES. CARGO FLEET, CONSETT, DORMAN LONG, PALMERS.
IRON PLATES. NEWPORT ROLLING MILLS.
Has the Steel been tested as required by the Rules? YES

PLATING.
STRAKES.
AS IN SHIP.
PER RULE OR AS APPROVED.
EDGES.
RIVETING.
BUTTS.
IF LAPPED.

Upper Deck Butts, riveted for AND length amidship.
Stringer Plate Straps, single, double or overlapped for FULL length amidship.
Second Deck Butts, riveted for AND length amidship.
Stringer Plate Straps, single or overlapped for FULL length amidship.

FRAMES extend in one length from CENTRE LINE TO MARGIN PLATE AND THENCE TO GUNWALE
REVERSED FRAMES on floors and frames extend from CENTRE LINE TO MARGIN PLATE
State if ordinary or joggled ORDINARY
State if ordinary or joggled ORDINARY

MASTS, SPARS, &c.
LOWER MASTS.
Fore
Main
Mizen
Bowsprit
Topmasts, Yards and Remainder of Spars OF FITCH PINE.
Rigging, Material and Size, Shrouds 3/2 WIRE
Sails. Suit of Sails, and the following spare sails

EQUIPMENT No. 28768 LETTER W ANCHORS. TONNAGE U. K. OR PLATING No. FOR TRAWLERS

Number of Certificates. Anchors. WEIGHT, EX. STOCK. WEIGHT OF STOCK. TEST, PER CERTIFICATE. WEIGHT REQUIRED BY TABLE 31. Description of Anchor. Makers. Where and when tested and Superintendent.

17500 1st Bower ... 53 1 14 44 8 3 0 52 2 0 BYERS STOCKLESS
17517 2nd " ... 52 3 0 44 1 3 14 52 2 0
17510 3rd " ... 45 0 14 39 6 2 7 44 2 0
17526 Stream ... 14 2 14 3 3 14 16 3 1 21 14 0 0 COMMON
17527 Kedge ... 6 1 0 1 2 14 8 10 0 0

CHAIN CABLES.
Number of Certificates. 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.

6666 Length 270 Diam. 2 1/2 Tons 107 1/2 378 3 27 378 2 14 270 2 1/2 STAYLOR & SONS. SLD 10-13. A. GREEN. TOWLINE. Length 120 Cir. 4 1/2 Breaking Test of Steel Wire 120 Cir. 4 1/2 Length and size per Table 31. 120 Cir. 4 1/2

HAWERS AND WARPS.
Length and size supplied. Breaking Test of Steel Wire. Length and size per Table 31.

Boats Two 24 ft LIFEBOATS. ONE 18 ft CUTTER. ONE 18 ft GIG. Steering Gear, Steam YES Steering Gear, Hand YES
Pumps, Number ONE DOWNTON Diameter of Barrel 6 State whether they are in efficient working order YES
Windlass is STEAM BY EMERSON WALKER, THOMPSON BROS. Capstan YES
Engine Room Skylights. How constructed? STEEL PLATES AND ANGLES What arrangements for deadlights in bad weather? BULL'S EYES IN HINGED STEEL PLATES
Coal Bunker Openings. How constructed? " " " How are lids secured? SLEATS, BATTENS, WEDGES Height above deck? 18"
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. TWO IN EACH WELL P.S. FREEING PORTS IN AFTER WELL 1st 5-4x1-5 AND 1st 4-2x1-6 P.S.
Ceiling in Holds, thickness and material 2 1/2 WHITEWOOD (COMPLETE) Cargo Battens, thickness and material 7 x 2 W.W.
Cargo Hatchways. How formed? STEEL PLATES AND ANGLES Hatches, If strong and efficient? YES
State size No. 1 Hatch (Forward) 24-6 x 19-11 No. 2 Hatch 24-6 x 19-11 No. 3 Hatch 24-6 x 19-11 No. 4 Hatch 24-6 x 19-11
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch FOUR

Bulwarks, height above deck and description 4 FT, 36 STEEL PLATES WITH STAYS Main Rail, material and size STEEL RAIL ANGLE 6-3 x 3-4
The foregoing is a correct description.
Builder's Signature (here only) J. H. Thompson & Sons, Ltd. Surveyor's Signature W. A. Grier
Surveyor to Lloyd's Register of British and Foreign Shipping.

Correspondence. State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case) M 28-2-13
8-4-13, 17-4-13, E 23-8-13, M 5-12-13

Workmanship. Are the butts of plating planed or otherwise fitted? PLANED AND OVERLAPPED
Is the riveted work properly closed? YES
Are the liners between the frames and plates solid single pieces? YES
to plate, &c., conform well to each other? YES
Do the holes for riveting plate to frames, butt straps, or plate from the faying surfaces? YES
Are the rivet holes well and sufficiently countersunk in the plate and punched 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 OR OVERLAPPED? YES
Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? YES State results of tests SATISFACTORY
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.)

The material and workmanship are good

The vessel has been built in accordance with the approved plans, the Secretary's letters, as given above, and otherwise in compliance with the Rules of the Society.

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 £110 : 19 : 6
Travelling Expenses, if any £
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 TUE. DEC. 16. 1913
Character assigned 100 A.1
Lloyd's Assoc. J.D.
Hmc 12. 13

Surveyor to Lloyd's Register of British and Foreign Shipping. W. A. Grier

GENERAL REMARKS—(continued).

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PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 35 ft., R.Q.D. ☒ ft., Bridge 220.5 ft., Forecastle 35.0 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated NOT JOINED

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 D⁵ (PT ST⁵ & PT IR⁵)

Official No. 132896; Signal Letters

State if Machinery is fitted aft NO

How are the surfaces preserved from oxidation? Inside CEMENT AND PAINT

Outside PAINT

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors CELLULAR SYSTEM

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>110.25</u>	<u>322</u>	Fore peak tank,	<u>✓</u>	<u>✓</u>
Double bottom, under Engines and Boilers,	<u>✓</u>	<u>✓</u>	After peak tank,	<u>18</u>	<u>108</u>
Double bottom, if under Engines only,	<u>26.54</u>	<u>192</u>	Deep tank, aft,	<u>✓</u>	<u>✓</u>
Double bottom, if under Boilers only,	<u>✓</u>	<u>✓</u>	Deep tank, forward,	<u>✓</u>	<u>✓</u>
Double bottom, forward,	<u>153.125</u>	<u>501</u>	Other tanks, if fitted,	<u>✓</u>	<u>✓</u>
Total capacity of double bottom		<u>925</u>	(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. 5101

Date 10.6.13

No. 281 in builder's yard.

DATES of Surveys held while building

1913. May 19. 22. 26. 30. June 3. 9. 24. Jul 3. 9. 15. 18. 23. Aug 1. 8. 13. 16. 21. 27. Sep 2. 12. 17. 22. 27. Oct 2. 7. 9. 14. 17. 21. 22. 27. 29. 30. 31. Nov 2. 5. 11. 12. 13. 28. Dec 13. 9

Surveyor's Signature

Wagner

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Total No. of Visits 45

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