

3 Deck Rule

## IRON OR STEEL STEAMER.

Received at London Office TUES. 5 NOV 1907

Date of completion of report 2nd Nov 1907 State of Report is also sent on the Machinery of the Vessel  
Survey held at WEST HARTLEPOOL Port of WEST HARTLEPOOL  
On the S.S. Calcutta Date, First Survey 17th April, 1907 Last Survey 30th Oct. 1907  
Rig Schooner

TONNAGE under  
Tonnage Deck... 3298.62  
Do. between Tonnage Dk. and 3rd and 4th Dk. 1  
Total under Upper Dk. 3298.62  
Do. of Poop 10.49  
Do. of Bridge House 47.99  
Do. of Forecastle 47.40  
Do. of Houses on Dk. 47.13  
Do. of excess of Hatchways 94.59  
Do. above Crown of Engine Room 3577.22  
Less Crew Space 84.23  
Less above Crown of Engine Room 94.59  
TONNAGE FOR FEES... 3398.40  
Less Engine Room 1144.71  
Less Navigation Spaces 103.98

THREE DECKED VESSEL.

CLASS 100 A

FEET.

Half Breadth (moulded) 24.75  
Depth from upper part of Keel to top of Upper Deck Beams 26.71  
Girth of Half Midship Frame (as per Rule) 48.50  
deduct 7 feet 7.00  
1st Number 90.96  
Length on deck from after part of stem to fore part of stern post 346.66  
2nd Number 31532  
Proportions—Breadth to Length 7.0  
Depth to Length—Upper Deck to top of Keel 12.99

Master W. W. Chapman

Year of appointment (1) As Master in service of owner of present vessel: 1887  
(2) As Master of this vessel: 1907

Built at West Hartlepool

When built 1907 Launched 28th Aug.

By whom built Furness, Withy &amp; Co. Ltd

Owners Nelson, Donkin &amp; Co.

Managers

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

Residence London

Port belonging to London

Main Deck ditto  
Destined Voyage Mediterranean via Suez Surveyed while Building Afloat, or in Dry Dock

LENGTH on Deck Feet. Inches. BREADTH Feet. Inches. DEPTH, ACTUAL Feet. Inches. No. of Decks with flat laid One  
as per Rule 346 8 Moulded 49 6 Do. do. do. do. Main Dk. Beams 23 2 No. of Tiers of Beams One

Dimensions of Ship per Register, Length 348.5 breadth 49.7 depth 23.1. Moulded depth, ft. 25 ins. 8 1/2 To Upper Dk. Round of Upper Dk. Beam, Actual 12 ins.

## FRAMING.

	Inches in Ship	Inches in Ship	20ths in Ship	Inches per Rule	Inches per Rule	20ths per Rule
FRAME, Angles, or L or C Bars for 1/2 length amidships	11	3 1/2	15	11	3 1/2	15
Do. for 1/2 at each end	11	3 1/2	14	11	3 1/2	14
Do. in way of Double Bottoms at Solid Floors	11	3 1/2	14	11	3 1/2	14
" " at intermdt. Bkts.	24			24		
acing of Frames from centre to centre	24			24		
EVERSED FRAME, Angles	11			11		
EEP FRAMING, depth of girder	11			11		
LOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	42		9	42		9
" " in way of Engines and Boilers	24			24		
" " thickness at the ends of vessel	42		10	42		10
" " depth at 1/2 the half breadth, as per Rule	4	4	9	4	4	9
" " height extended at the Bilges	4 1/2	4 1/2	12	4 1/2	4 1/2	12
IDE GIRDERS, number on each side & thickness	2		9	2		9
" " state if flanged (top and bottom)	Yes			Yes		
" " Angles	3 1/2	3 1/2	8	3 1/2	3 1/2	8
MARGIN PLATE, depth (exclusive of flange) and thickness	33		9	33		9
" " Angles to Outside Plating	4	4	9	4	4	9
" " Floors	3 1/2	3 1/2	8	3 1/2	3 1/2	8
" " Height of Floors at the Bilges	6 7/8			6 7/8		
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	60		10	60		10
" " in Engine and Boiler space	2 1/2			2 1/2		
" " Remainder in Holds	2 1/2			2 1/2		
EAMS, Upper Deck, Single Angle, Bulb	9	3 1/2	11	9	3 1/2	11
" " Angle, Plate or Tee Bulb	3 1/2			3 1/2		
" " Angles on upper edge	24			24		
" " Spacing	24			24		
EAMS, Middle Deck, Single Angle, Bulb	7 1/2	3	9	7 1/2	3	9
" " Angle, Plate or Tee Bulb	7 1/2			7 1/2		
" " Angles on upper edge	24			24		
" " Spacing	24			24		
EAMS, Lower Deck, Single Angle, Bulb	7 1/2	3	9	7 1/2	3	9
" " Angle, Plate or Tee Bulb	7 1/2			7 1/2		
" " Angles on upper edge	24			24		
" " Spacing	24			24		
EAMS, Hold, or Orlop, Plate or Tee Bulb	6	3	9	6	3	9
" " Angle, Plate or Tee Bulb	6			6		
" " Angles on upper edge	24			24		
" " Spacing	24			24		
EAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	7 1/2	3	9	7 1/2	3	9
" " Angle, Plate or Tee Bulb	7 1/2			7 1/2		
" " Angles on upper edge	24			24		
" " Spacing	24			24		
LLARS, In 'tween Deck, size and spacing	4 3/4	48		4 3/4	48	
" " Hold	4 3/4	48		4 3/4	48	
" " Quarter 'tween Dks., in Hold	4 3/4	48		4 3/4	48	
WEB-FRAMES, In Fore Body, No. and spacing	18		8	18		8
" " No. of Side Stringers	18		8	18		8
WEB-FRAMES, In E. & B. Space, No. & spacing	18		8	18		8
" " No. of Side Stringers	18		8	18		8
WEB-FRAMES, In After Body, No. and spacing	18		8	18		8
" " No. of Side Stringers	18		8	18		8
BRACKET PLATES to Stringers between Web Frames, depth and thickness	18		8	18		8

## FORGINGS or CASTINGS.

	Inches in Ship	Inches per Rule
KEEL, Bar or Side Plates, depth and thickness	11 x 2 1/2	11 x 2 1/2
STEM, moulding and thickness	11 x 6 3/4	11 x 6 3/4
STERN-POST for Rudder do. do	11 x 6 3/4	11 x 6 3/4
" " for Propeller	11 x 6 3/4	11 x 6 3/4
MAIN PIECE of Rudder, diameter at head	9	9
" " do. at heel	6 3/4	6 3/4

RUDDER, how constructed Single plate.

Can the Rudder be unshipped afloat? Yes.

## KEELSONS &amp; STRINGERS.

	Inches in Ship	Inches in Ship	20ths in Ship	Inches per Rule	Inches per Rule	20ths per Rule
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate						
" Rider Plate						
" Bulb Plate to Intercoastal Keelson						
" Horizontal Plates on Floors						
" Angles						
SIDE KEELSON, Angles						
" Bulb or Plate above floors, for lng.						
" Intercoastal Plate for length						
" Attached to outside Plating with Angle						
BILGE KEELSON, Angles						
" Bulb or Plate above floors for lng.						
" Intercoastal Plate for length						
" Attached to outside Plating with Angle						
BILGE STRINGER Angles						
" Bulb Plate for length						
" Intercoastal Plate for length						
" Attached to outside Plating with Angle						
SIDE STRINGER Angles	6	4	12	6	4	12
" Bulb or Intercoastal Plate, for whole lng.	8			8		
" Attached to outside plating with Angle	3 1/2	3 1/2	8	3 1/2	3 1/2	8
Upper Deck Stringer Plates, br'dth & thickness	50	10		50	10	
" Angle on ditto	4 1/2 x 4 1/2	11		4 1/2 x 4 1/2	11	
" Tie Plates, outside Hatchways	8 7/8	8.7		8 7/8	8.7	
" Deck * Iron or Steel, for whole lng.	8 7/8	8.7		8 7/8	8.7	
" Wood Deck, Material & thickness						
Middle Deck Stringer Plate, br'dth & thickness						
" Angles on ditto, No.						
" Tie Plates outside Hatchways						
" Diagonal Tie Plates, No. of pairs						
" Deck * Iron or Steel, for lng.						
" Wood Deck, Material & thickness						
Lower Deck Stringer Plate, br'dth & thickness						
" Angles on ditto, No.						
" Tie Plates, outside Hatchways						
" Deck * Material and thickness						
Hold, or Orlop Stringer Plate, br'dth & thekn's						
" Angles on ditto, No.						
" Tie Plates outside Hatchways						
" Deck. Material and thickness						
Poop Deck Stringer Plate, breadth & thickness	34	8		34	8	
" Angle on ditto	4 x 4	8		4 x 4	8	
" Tie Plates						
" Deck. Material and thickness	Iron			Iron		
Bridge Deck Stringer Plate, br'dth & thickness	40	10		40	10	
" Angle on ditto	4 1/2 x 4 1/2	11		4 1/2 x 4 1/2	11	
" Tie Plates						
" Deck. Material and thickness	Iron			Iron		
Forecastle Deck Stringer Plate, b'dth & th'kns	40	10		40	10	
" Angle on ditto	4 x 4	8		4 x 4	8	
" Tie Plates						
" Deck. Material and thickness	2 1/2 p. pine			2 1/2 p. pine		

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

BULKHEADS.	Number.	Thickness.	STIFFENERS.		Single or Double Frames.	Height up.		
			Horizontal.	Vertical.				
	Vessel.	Per Rule.	Size.	Size.				
W. T. BULKHEADS	5	5	7-6	7-3 x 4 1/2	48	7-3 x 4 1/2	48	Double Deck
PARTITION			13-0	13-0		13-0		
LONGITUDINAL								

Are the outside Plates doubled two spaces of Frames in length? Diamond liners.

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



PLATING. RIVETING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. LOWER EDGES. BUTTS. Double or Treble and for what Length. Rivets. Straps. IF LAPPED. For what Length.

FLAT PLATE KEEL (If Bar Keel, state Riveting) GABBOARD OF A Strake... B... C... D... E... F... G... H... J... K... L... M... N... O... P... Q... R... S...

DOUBLING of Flat Plate Keel Length of Bilges... of Sheerstrakes... of Strake below POOP SIDES BRIDGE SIDES FORECASTLE SIDES

Manufacturer's name or trade mark of the Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c. South Durham; Cargo Fleet; Palmers; and Conssett. Open-Hearth process. Iron:- South Durham.

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

FRAMES extend in one length from tank margin plate to deck. REVERSED FRAMES on floors and frames extend from Built angle frames.

MASTS, SPARS, &c. LOWER MASTS... Fore... Main... Mizzen... Bowsprit... Topmasts... Riggers... Sails... Equipment No. 36020 LETTER 6 ANCHORS.

CHAIN CABLES. HAWSERS AND WARPS.

Boats 2 life and 2 others. Pumps, Number One fly wheel connected to steam engine in each compartment. Windlass is Cammerton Walker & Thompson Bros. Capstan. Engine Room Skylights. How constructed? Steel on trunk bulkheads. What arrangements for deadlights in bad weather? Bull's eyes in steel shutters. Coal Bunker Openings. How constructed? Steel coamings. How are lids secured? By hatch bars. Height above deck? 15". Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. On each side, 8 scuppers, and 8 ports 36 x 15". Ceiling in Holds, thickness and material 2 1/2 lb. pine. Cargo Battens, thickness and material 6 x 2 lb. pine. Cargo Hatchways. How formed? Of plating and angles. State size No. 1 Hatch (Forward) 24-0 x 16-0 x 47. No. 2 Hatch 28-0 x 16-0 x 47. No. 3 Hatch 8-0 x 16-0 x 24. No. 4 Hatch 28-0 x 16-0 x 49. Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 14 1/2 two deep web plates, 2 1/2 24 1/2 three deep web plates, and 3 fore & afters in each. No. of Breasthooks nine. Bulwarks, height above deck and description 3-6. Steel plating. Main Rail, material and size 6 x 3 1/2 x 1/2. Stays 8 x 5/8. Bulkheads. The above is a correct description. Builder's Signature (here only) For FURNESS, WITBY & CO., LIMITED. Surveyor's Signature J. Thomson. Surveyor to Lloyd's Register of British and Foreign Shipping.

Correspondence. State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case) 28th Dec. 1906. 8th Jan. 4th Mar. 1907. M. 18th March 1907 E.

Workmanship. Are the butts of plating planed or otherwise fitted? Planed. Is the riveted work properly closed? Yes. Are the liners between the frames and plates solid single pieces? Yes. Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Yes. Are the rivet holes well and sufficiently countersunk in the plate and punched from the facing 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. 23, par. 24)? Yes. State results of tests Satisfactory. Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? Yes. State results of tests Satisfactory.

General Remarks (State quality of workmanship, &c.) The workmanship throughout is good. This vessel is built in accordance with photo of approved midship section and profile forwarded to London on 2nd Nov. 1907, the accompanying approved tracings (5 in. H.), the Secretary's letters referred to above, and in general conformity with the Rules for the Class contemplated. The close ceiling is only fitted at bilges and on top of tank in way of hatchways. A letter from the Owners is forwarded herewith respecting the omission of the intermediate bulkhead in after hold. This vessel has left here for the Lyne to be dry docked on account of being in collision, and the Class recommended is subject to the bottom being favourably reported upon by Repairs Report forwarded herewith. Is a sister vessel to the "Mars," Appl. Report No. 13356. The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK. Length of Poop 24 ft., R.Q.D. or Break 1 ft., Bridge Dk. 100 ft., Forecastle 35 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 it should appear in the Register Book) 1 Dk. (pt. iron & pt. steel) 4 deep framing. Official No. ; Signal Letters. State if Machinery is fitted aft No. How are the surfaces preserved from oxidation? Inside By cement, boiled oil, and paint. Outside By paint.

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

Where Fitted. Length. Water Capacity. Where Fitted. Length. Water Capacity. Double bottom, aft. 108 336 Fore peak tank, 71 Double bottom, under Engines and Boilers, 40 124 After peak tank, 98 Double bottom, if under Engines only, Deep tank, aft, Deep tank, forward, Other tanks, if fitted, (If necessary, furnish further information by sketch.) Double bottom, forward, 154 421 Total capacity of double bottom 881 State whether the above have been tested as required by the Rules Yes.

Order for Special Survey No. 2042 Date 26 January 1907 No. 305 in builder's yard. DATES OF SURVEYS held while building 1907. Apr. 17, 19, 21, May, 7, 11, 12, 15, 17, 24, 27, 29, 31, June, 3, 5, 7, 11, 12, 17, 19, 21, 24, 27, July, 1, 2, 5, 5, 10, 12, 16, 18, 19, 22, 25, 29, 30, 31, Aug., 1, 2, 12, 13, 16, 20, 23, 25, 24, 26, 27, 28, 30, Sept., 1, 2, 3, 4, Oct., 2, 10, 14, 15, 16, 22, 25, 28, 29, 30. Total No. of Visits 62.

The amount of Entry Fee £ 109 : 19 : Fees applied for, 2. 11. 1907 Received by me, 4. 11. 1907 Travelling Expenses, if any £ Certificate to be sent to West Hartlepool.

State whether the Vessel has been built under Special Survey Yes. I am of opinion this Vessel should be Classed E 100A1 with notation in the Reg. Book "Intermediate Bulkhead in after hold dispensed with." J. Thomson Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute Character assigned FRI. 8 NOV 1907 100A1 Lloyd's a.s.b.O. + Lmb. 1007 J.P. © 2021 Lloyd's Register Foundation W812-0096