

# With or Without Disconnected Erections.

## STEEL STEAMER.

Received at London Office TUE SEP 19 1911

Date of completion of report 16th September State if Report is also sent on the Machinery of the Vessel Yes  
 Survey held at South Shields Port of Newcastle-on-Tyne No. 61042  
 On the Steel Screw Steamer - "TREVAGAN" Date, First Survey 21st Mar 1911 Last Survey 11th September 1911  
 CLASS 100 A1 Master Fred. Wien Rig Schooner  
 Tonnage under Tonnage Deck 3965.62 Year of appointment Aug 1908  
 Do. between Tonnage Dk. and 3rd and 4th Dk. -  
 Total under Upper Dk. -  
 Do. of Poop 17.50  
 Do. of R.Q.Dk. -  
 Do. of Bridge House -  
 Do. of Forecastle 44.20  
 Do. of Houses on Dk. 89.16  
 Do. of excess of Hatchways 22.23  
 Do. above Crown of Engine Room 45.99  
 Gross Tonnage 4184.70  
 Less Crew Space 99.26  
 Less above Crown of Engine Room 45.99  
 Tonnage for Fees 4039.45  
 Less Engine Room 1339.10  
 Less Navigation Spaces 71.74  
 Register Tonnage 2674.60  
 Destined Voyage Port Said If Surveyed while Building, Afloat, or in Dry Dock Building  
 Built at South Shields When built 1911 Launched July 26th 1911  
 By whom built John Readhead & Sons Ltd  
 Owners The Hain Steam Ship Coy. Ltd  
 Managers Ed. Hain & Son  
 Residence St. Ives  
 Port belonging to St. Ives

Register Tonnage as cut on Beam		2674.60		Destined Voyage		Port Said.		If Surveyed while Building, Afloat, or in Dry Dock.		Building.			
LENGTH on Deck as per Rule		Feet. 363 Inches. 0		BREADTH— Moulded		Feet. 50 Inches. 9 1/2		DEPTH, ACTUAL—Top of Floors, to top of Upper Dk. Beams		Feet. 25 Inches. 3 1/2		No. of Decks with flat laid No. of Tiers of Beams	
								do. do. do. do. Second Dk. Beams				one two	
Moulded depth, ft. 35 ins. 2 1/2 To Bridge Dk. Round of Upper } 12" ins. Moulded depth, ft. 27 ins. 8 1/2 To Upper Dk. Dk. Beam, Actual }													
Dimensions of Ship per Register, Length 363.0 breadth 51.1 depth 26.15													
FRAMING.													
Inches in Ship. Inches in Ship. Inches in Ship. Inches per Rule Or as Appro. Inches per Rule Or as Appro.													
FRAME, Angle, Bars amidships 8 1/2 3 1/2 50 8 1/2 3 1/2 50													
Do. in peaks 6 3 1/2 40 6 3 1/2 40													
Do. in way of Double Bottoms at Solid Floors 3 1/2 3 1/2 38 3 1/2 3 1/2 38													
" " at intermdt. Bkts. 5 1/2 3 1/2 44 5 1/2 3 1/2 44													
Spacing of Frames from centre to centre amidships 26 26													
" " from } length to Collision bulkhead 26 26													
" " in peaks 26 26													
REVERSED FRAME, Angles, IN PEAKS 4 x 3 1/2 x 40 3 1/2 3 1/2 38 3 1/2 3 1/2 38													
Do. in way of Double Bottoms at Solid Floors 3 1/2 3 1/2 38 3 1/2 3 1/2 38													
" " at intermdt. Bkts. NONE NONE													
FRAMING, depth of girder 8 1/2 & 7 in PEAKS 8 1/2 & 7 in PEAKS													
FLOORS, depth and thickness of Floor Plate at mid-line 32 x 58 32 x 58													
" in way of Engine and Boiler Space 41 x 50 41 x 50													
" thickness at the ends of vessel 36 36													
" depth at 1/2 the half breadth, as per Rule 64 64													
" height extended at the Bilges 41 x 38/36 41 x 38/36													
FLOORS & BRACKETS in Cell Dble Bottoms No No													
" " state if flanged (top & bottom) 52 1/2 26 in 41/40 26 45 1/2													
" " Spacing 41 x 50/40 41 x 50/40													
CENTRE GIRDER, in Dbl. bottom, dpth. & thickness 4 1/2 4 1/2 58/54 4 1/2 4 1/2 58/54													
" " Angles, Top SINGLE 4 1/2 4 1/2 58/54 4 1/2 4 1/2 58/54													
" " Bottom DOUBLE 4 1/2 4 1/2 58/54 4 1/2 4 1/2 58/54													
" " to Floors SINGLE 5 5 54 5 5 54													
SIDE GIRDERS, number on each side & thickness THREE 36/34 THREE 36/34													
" " state if flanged (top and bottom) FLANGED AT TOP ONLY													
" " Angles (top and bottom) 3 1/2 3 1/2 38 3 1/2 3 1/2 38													
" " to Floors 3 3 38 3 3 38													
MARGIN PLATE, depth (exclusive of flange) and thickness 40 x 44 40 x 44													
" " Angles to Outside Plating 3 1/2 3 1/2 44 3 1/2 3 1/2 44													
" " Floors SINGLE 5 5 50 5 5 50													
" " Height of Brackets above at bilge 3 1/2 3 1/2 38 3 1/2 3 1/2 38													
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake 42 x 48/40 42 x 48/40													
" " in Engine and Boiler space 14/6 8 46 14/6 8 46													
" " Remainder in Holds 34 42 6 38 42 6 38													
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel 8 1/2 3 1/2 50 8 1/2 3 1/2 50													
" " Angles on upper edge 8 1/2 3 1/2 50 8 1/2 3 1/2 50													
" " In way of Long Bridge 26 26													
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel 13 x 60 13 x 60													
" " Angles on upper edge 6 4 50 6 4 50													
" " Spacing AS PER PROFILE RIDER PLATE 13 x 60													
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel													
" " Angles on upper edge													
" " Spacing													
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel 6 1/2 3 40 6 1/2 3 40													
" " Angles on upper edge 26 26													
" " Spacing 26 26													
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel 8 1/2 3 46 8 1/2 3 46													
" " Angles on upper edge 26 26													
" " Spacing 26 26													
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel 8 1/2 3 46 8 1/2 3 46													
" " Angles on upper edge 26 26													
" " Spacing 26 26													
PILLARS.													
Butt & H.B. Hatch Ends.													
PILLARS, in between Deck, size and spacing 3 1/2 HATCH 3 1/2 HATCH													
" " Hold 3 1/4 52 3 1/4 52													
" " Quarter between Decks, " " 6 1/4 52 6 1/4 52													
" " in Hold ERECTIONS, " " 2 7/8 52 2 7/8 52													
KEELSONS & STRINGERS.													
Inches in Ship. Inches in Ship. Inches in Ship. Inches per Rule Or as Appro. Inches per Rule Or as Appro.													
CENTRE LINE KEELSON, Vertical Plates above 41 x 60 41 x 60													
" " Through Plate, or Intercoastal Plate 14 x 58 14 x 58													
" " Rider Plate 4 1/2 4 1/2 58 4 1/2 4 1/2 58													
" " Flat Plate Keel Angles DOUBLE 12 x 58 12 x 58													
" " Horizontal Plates on Floors 6 1/2 3 1/2 48 6 1/2 3 1/2 48													
" " Angles on Bulb Angles FOUR 46 (6 1/2 x 3 1/2 x 48) 46 (6 1/2 x 3 1/2 x 48)													
SIDE KEELSONS, Number 3 (as shown) 3 (as shown)													
" " Angles 6 1/2 x 3 1/2 x 48 6 1/2 x 3 1/2 x 48													
" " Plate above floors, for 58 BS. length 58 BS. length													
" " Intercoastal Plate, for 46 BS. length 46 BS. length													
" " Attached to outside Plating with Angle 3 1/2 3 1/2 42 3 1/2 3 1/2 42													
BILGE KEELSON, Angles 64 64													
" " Intercoastal Plate for length continuous full depth													
" " Attached to outside Plating with Angle and bracketed													
SIDE STRINGERS, Number 2 AT ENDS of 2 AT ENDS of													
" " Angle FORE & AFTER HOLDS 6 1/2 3 1/2 58 6 1/2 3 1/2 58													
" " Intercoastal Plate, for SAME length 42 42													
" " Attached to outside plating with Angle 3 1/2 3 1/2 42 3 1/2 3 1/2 42													
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge) 64 x 76/50 64 x 76/50													
" " " " br'dth & thickness (in way of Bridge) 64 44 64 44													
" " " " Angle (clear of Bridge) 3 1/2 x 3 1/2 42 3 1/2 x 3 1/2 42													
" " " " Tie Plate at sides of Hatchways													
" " Deck, Iron & Steel, for FULL lng. 42 6 36 IRON 42 6 36 IRON													
" " Thickness (clear of Bridge) 34 STEEL 34 STEEL													
" " (in way of Bridge) 34 STEEL 34 STEEL													
" " Wood Deck, Material & thickness (32 STEEL under Poop & Fore)													
Second Deck Stringer Plate, br'dth & thickness 60 x 70 60 x 70													
" " Angles on ditto, No. TWO TO SHELL 3 1/2 x 3 1/2 60 3 1/2 x 3 1/2 60													
" " Tie Plates outside Hatchways FACE ANGLE 11 x 3 1/2 x 64 BULB ANGLE													
" " Deck, Iron or Steel, for 8 lng. 12 x 4 x 4 x 60 CHANNELS													
" " Wood Deck, Material & thickness AT 30-4 HATCHWAYS													
Third Deck Stringer Plate, br'dth & thickness													
" " Angles on ditto, No.													
" " Tie Plates, outside Hatchways													
" " Deck, Material and thickness													
Fourth and Fifth Deck Stringer Plate, br'dth & thickness													
" " Angles on ditto, No.													
" " Tie Plates outside Hatchways													
" " Deck, Material & thickness													
Poop Deck Stringer Plate, breadth & thickness 33 34 33 34													
" " Angle on ditto 3 1/2 x 3 1/2 34 3 1/2 x 3 1/2 34													
" " Tie Plates 5/16 5/16													
" " Deck, Material and thickness IRON 5/16 5/16													
Bridge Deck Stringer Plate, br'dth & thickness 56 50 56 50													
" " Angle on ditto 4 1/2 x 4 1/2 56 4 1/2 x 4 1/2 56													
" " Tie Plates 40 40													
" " Deck, Material and thickness IRON 40 40													
Forecastle Deck Stringer Plate, br'dth & thickness 33 34 33 34													
" " Angle on ditto 3 1/2 x 3 1/2 34 3 1/2 x 3 1/2 34													
" " Tie Plates 2 1/2 POB 2 1/2 POB													
" " Deck, Material and thickness WOOD & STL 2 1/2 POB 2 1/2 POB													
* 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. WEB FRAMES, In After Body, No. and spacing. 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. 4th. RUDDER-A x D Table 22. Speed. Main-Piece, diameter at head. at heel.

BULKHEADS. Number. Thickness. STIFFENERS. Single or Double Frames. Height up.

PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES Ordinary or Joggled? BUTTS.

RIVETING. BUTTS. Double or Triple and for what Length. Rivets. Straps. IF LAPED.

FRAMES extend in one length from. REVERSED FRAMES on floors and frames extend from.

MASTS, SPARS, &c. Material. Total Length. DIAMETER AND THICKNESS. No. of Plates in round. ANGLES. Riveting.

EQUIPMENT No. 30486 LETTER J. ANCHORS. TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS.

Number of Certificate. 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.

CHAIN CABLES. 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. Test of Steel Wire. Length and size per Table 31.

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

Boats 2 Life 23' x 4' 3". Dip 18' x 5' 8" x 2' 3". Driggs 16' x 5' 4" x 2' 2". Steering Gear, Steam Donkin & Co. Steering Gear, Hand Donkin & Co. Pumps, Number One 5" Donkin & Co. One 1 1/2" Donkin & Co. One 1 1/2" Donkin & Co. Diameter of Barrel 6". State whether they are in efficient working order Yes.

Windlass is 12" Donkin & Co. One 1 1/2" Donkin & Co. One 1 1/2" Donkin & Co. Capstan 12" Donkin & Co.

Engine Room Skylights. How constructed? Steel plates angled. What arrangements for deadlights in bad weather? Bulls eyes & shutters.

Coal Bunker Openings. How constructed? Plate of angles. How are lids secured? Lugs & bolts. Height above deck? 18" U.D. 12".

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 12 Scuppers 15" & 8" Freeing Ports (36" x 12").

Ceiling in Holds, thickness and material 2 1/2" white wood. under hatchways. Cargo Batts, thickness and material 6" x 2" white wood.

Cargo Hatchways. How formed? Plate of angles. How are lids secured? Lugs & bolts. Height above deck? 18" U.D. 12".

State size No. 1 Hatch (Forward) 26' x 17' 11 1/2". No. 2 Hatch 30' 4" x 17' 11 1/2". No. 3 Hatch 30' 4" x 17' 11 1/2". No. 4 Hatch 30' 4" x 17' 11 1/2".

Number of Web Plates, Shifting Rooms and Fore and Afters to each Hatch Four to No. 1 and 4. and Five to No. 2 and 3 Hatches.

(20" deep at side, and 24" at Centre.) No. of Breasthooks (including deck) No. of Crutches. Deck floor.

Bulwarks, height above deck and description 4' 3" steel plates with stays. Main Rail, material and size Bull angle 6 1/2" x 3 1/2" x 40.

The foregoing is a correct description. Builder's Signature (here only) W.B. Macleod. Surveyor's Signature M. Macleod.

Builder 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).

20/6/10 M: 23/11/10 E: 3-2-11 M.

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? Joggled frames. 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? Very 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. 2)? Yes. State results of tests Good.

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 2)? Yes. State results of tests Good.

General Remarks (State quality of workmanship, &c.) This vessel has been built in accordance with the accompanying approved plans, the Secretary's letters of the above dates, and in other respects in general conformity with the Society's Rules. The materials and workmanship used in the construction are good throughout.

Approved plans (H.M. No. 1) and 2 Forging Certificates enclosed herewith.

A copy of midship section with amendments shown is forwarded for retention with Report.

This vessel is a sister ship to the same builders 1/2 "TREVORIAN" & 1/2 "TAEQUANO."

N.C. Reports Nos. 60239 and 60489.

with exception that the double bottom is constructed on the alternate floor system instead of floors on every frame, as in the 2 previous vessels.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

The amount of Entry Fee ..... £ 5: 0: 0 Fees applied for, SEP 18 1911

Special Survey Fee ..... £ 126: 0: 0 Received by me, 21.9.1911

Travelling Expenses, if any £ : : Certificate to be sent to NEWCASTLE ON TYNE Date of issue 22/9/11

State whether the Vessel has been built under Special Survey Yes.

I am of opinion this Vessel should be Classed 100A1.

With, or without Freeboard, as condition of Class Without Freeboard.

Surveyor to Lloyd's Register of British and Foreign Shipping. M. Macleod.

Committee's Minute FRI. SEP. 22. 1911

Character assigned 100A1

Lloyd's 100A1 + 2m.b.8.11



## GENERAL REMARKS—(continued).

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop 31 ft., R.Q.D. ☒ ft., Bridge 225 ft., Forecastle 32 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 should appear in the Register Book) 1 Dk (pl. Stl & pl. / m.) 2 th B.  
 Official No. 133211; Signal Letters. State if Machinery is fitted aft No  
 How are the surfaces preserved from oxidation? Inside Cement & paint Outside Paint.

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>119.16</u>	<u>346</u>	Fore peak tank,	<u>13.00</u>	<u>62</u>
Double bottom, under Engines and Boilers,	<u>23.83</u>	<u>91</u>	After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,	<u>158.16</u>	<u>485</u>	Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
	Total capacity of double bottom	<u>922</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. <u>Yes.</u>		

Order for Special Survey No. 4266

Date 5.5.11

No. 421 in builder's yard.

DATES of Surveys held while building

1911  
 Mar. 21. 29. Apr. 7. 12. 19. 27. 28. May. 4. 10. 11. 17. 22. 26. 30. Jun. 13. 20. 28. Jul. 5. 11. 18. 20. 22. Aug. 1. 5. 16. 22. 25. 29. Sep. 11.

Surveyor's Signature

*M. Macleod.*

Total No. of Visits 31

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