

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office
WED. DEC. 15 1920
TUE. 14 DEC. 1920

Date of completion of report 11th Decr 1920. Port of NEWCASTLE ON TYNE. No. 43930
Survey held at South Shields Date, First Survey December 16th 1919 Last Survey December 2nd 1920.

On the (State if Single, Twin, or Triple Screw) single screw "TREBARTHA" Rig Schooner

TONNAGE under
Tonnage Deck...
Do. between Tonnage Dk. and 3rd and 4th Dk.
Total under Upper Dk. 4326.91
Do. of Poop 94.03
Do. of R.Q. Dk. 25.38
Do. of Bridge House 21.01
Do. of Houses on Dk. 129.38
Do. of excess of Hatchways No. above Crown of Engine Room... 4596.71
Gross Tonnage 4596.71
Less Crew Space 94.03
Less above Crown of Engine Room... 4502.68
TONNAGE FOR FEES... 4502.68
Less Engine Room 1470.95
Less Navigation Spaces 129.64
Register Tonnage (as cut on Beam) 2847.13

CLASS 100A1 shelter D¹ FEET.
Breadth (greatest moulded) 51.77
Depth, at middle of length from top of keel to top of upper deck beams at side 28.50
Transverse Number 80.27
Length on deck from fore part of stem to after part of stern post 400
Longitudinal Number 32108
Depth "d," at middle of length (See Secs. 2 & 13) 24.92
Proportions—Depths to Length—Upper Deck Beam at side to top of keel 10.97
" " Long Bridge Deck Beam at side to top of keel

Master J. H. Pelham
Year of appointment (1) As Master in service of owner of present vessel—1920 (2) As Master of this vessel

Built at South Shields
When built 1920 Launched 31st Aug 1920
By whom built J. Readhead & Sons Ltd.
Owners J. Hain S.S. Co. Ltd.
Managers E. Hain & Son
Residence St. Ives
Port belonging to St. Ives

Destined Voyage Melbourne If Surveyed while Building, Afloat, or in Dry Dock Yes

LENGTH on 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 Decks with flat laid
400	0		51	9 1/4		25	11		Two
Moulded depth, ft. 36 ins. 5 1/2 To Upper Dk. Round of Upper Dk. Beam, Actual 12 ins.									
Moulded depth, ft. 28 ins. 6 To Upper Dk. Dk. Beam, Actual									
Dimensions of Ship per Register, Length 400.1 breadth 52.1 depth 25.9									
FRAMING.			Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
FRAME, Angles, or E or L Bars amidships			12	3 1/2	62	12	3 1/2	62	
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	42	3 1/2	3 1/2	42	
" " at intermdt. Bkts.			5 1/2	3 1/2	50	5 1/2	3 1/2	50	
Spacing of Frames from centre to centre amidships			28			28			
" " from 1/2 length to Collision bulkhead			28			28			
" " in peaks			26			26			
REVERSED FRAME, Angles, in peaks			4	3 1/2	40	4	3 1/2	40	
Do. in way of Double Bottoms at Solid Floors			3 1/2	3 1/2	42	3 1/2	3 1/2	42	
" " at intermdt. Bkts.			5 1/2	3 1/2	50	5 1/2	3 1/2	50	
FRAMING, depth of girder			Bulb angle frames						
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships			50			50			
" in way of Engine and Boiler Spaces			38			38			
" thickness at the ends of vessel									
" depth at 1/2 the half breadth, as per Rule									
" height extended at the Bilges									
FLOORS in Cell Double Bottoms			42			42			
" state if flanged (top & bottom)			no			no			
" Spacing of Solid floors			56			56			
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.			43	50		43	50		
" Angles, Top			3 1/2	3 1/2	50	3 1/2	3 1/2	50	
" Bottom			4 1/2	4 1/2	60	4 1/2	4 1/2	60	
" to Floors			5	5	54	5	5	54	
" Brackets at intermdt. frmg., wdth & thcknss			18	42		18	42		
SIDE GIRDERS, number on each side & thickness			3	40		3	40		
" state if flanged (top and bottom)			on top only						
" Angles (top and bottom)			3 1/2	3 1/2	40	3 1/2	3 1/2	40	
" to Floors			3	3	40	3	3	40	
MARGIN PLATE, depth (exclusive of flange) and thickness			25	48		35	48		
" Angle to Outside Plating			4	4	48	4	4	48	
" Floors			3 1/2	3 1/2	40	3 1/2	3 1/2	40	
" Brackets at intermdt. frmg., wdth & thcknss			21	42		18	42		
" Height of Outside Brackets above at bilge			49			48			
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake			50	50		50	50		
" in Engine and Boiler space			E. Space 28 and 50, B. Space 56						
" Remainder in Holds			44			44			
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel			8 1/2	3 1/2	52	8 1/2	3 1/2	52	
" In way of Long Bridge									
" Spacing			28			28			
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel									
" Spacing									
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									
" Angles on upper edge									
" Spacing									
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel			8 1/2	3 1/2	48	8 1/2	3 1/2	48	
" Angles on upper edge									
" Spacing			28			28			
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel									
" Angles on upper edge									
" Spacing									
PILLARS.			Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
PILLARS In 'tween Deck, size and spacing			in way of hatchways only, centre line bulkhead fitted						
" Hold									
" Quarter 'tween Dks.									
" in Hold									
KEELSONS & STRINGERS.			Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate									
" Rider Plate									
" Flat Plate Keel Angles									
" Horizontal Plates on Floors									
" Angles or Bulb Angles									
SIDE KEELSONS, Number									
" Angles or Bulb Angles									
" Plate above floors, for length									
" Intercoastal Plate, for length									
" Attached to outside Plating with Angle									
BILGE KEELSON, Angles									
" Intercoastal Plate, for length									
" Attached to outside Plating with Angle									
SIDE STRINGERS, Number			Three at ends of end holds only						
" Angle			6 1/2	3 1/2	60	6 1/2	3 1/2	60	
" Intercoastal Plate, for full length				35	44		35	44	
" Attached to outside plating with Angle			6	6	48	6	6	48	
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)			64	46		64	46		
" " " " br'dth & thickness (in way of Bridge)									
" " " " Angle (clear of Bridge)			3 1/2	3 1/2	48	3	3	48	
" " " " Tie Plate at sides of Hatchways			Plating increased						
" Deck, * Iron or Steel, for full lng.									
" " Thickness (clear of Bridge)				36			36		
" " " (in way of Bridge)									
" Wood Deck, Material & thickness			none						
Second Deck Stringer Plate, br'dth & thickness									
" Angles on ditto, No.									
" Tie Plates outside Hatchways									
" Deck, * Iron or Steel, for lng.									
" Wood Deck, Material & thickness									
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, breadth & thickness									
" Angles on ditto, No.									
" Tie Plates outside Hatchways									
" Deck, Material & thickness									
Poop Deck Stringer Plate, breadth & thickness									
" Angle on ditto									
" Tie Plates									
" Deck, Material and thickness									
Bridge Deck Stringer Plate, br'dth & thickness			56	56		56	56		
" Angle on ditto			5	5	58	5	5	58	
" Tie Plates			Increased at sides of hatchways						
" Deck, Material and thickness			Steel			44			
Forecastle Deck Stringer Plate, br'dth & thickness									
" Angle on ditto									
" Tie Plates									
" Deck, Material and thickness									

EQUIPMENT No. 34790				ANCHORS.				TONNAGE U.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.				
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.						
25847	1st Bower ...	62	0	14	-	-	-	49	12	2	0	60	0	0	Bryce's Stockless	-	S 17/8/20 L. Claffey
25889	2nd " ...	60	3	21	-	-	-	48	17	2	0	60	0	0	"	-	S 25/8/20 "do"
25890	3rd " ...	60	3	14	-	-	-	48	17	2	0	50	2	0	"	-	"do" "do"
	4th " ...																
	Collective weight.	183	3	21								170	2	0			
54708	Stream	16	1	24	4	2	10	17	16	1	0	16	1	0	Rodgers	-	T 7/6/20 W. Drysdale
54706	Kedge	7	1	0	1	3	14	9	9	1	14	7	0	0	"do"	-	T 5/6/20 "do"
Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.																	
1st Bower 39 cwt 2 qrs 0 lbs D.D.W. N° 3726 27/7/20 also hammer drop & bend tests. 2nd " 38 " 3 " 21 " D.D.W. N° 3651 13/7/20 " " " " 3rd " 39 " 1 " 0 " D.D.W. N° 3753 10/8/20 " " " " 4th "																	
CHAIN CABLES.																	
HAWSERS 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.				
	Fathoms.	Inches.	Yds.	Tons.	Cwts.	qrs.	lbs.	Fathoms.	Inches.		Fathoms.	Inches.	Tons.				
54599	186	2 1/4	868	120 1/2	43 1/2	2 1/2	270	2 1/4	Steel twisted Dudley's Ltd T 31/5/20 Drysdale	TOWLINE	120	4 1/4	47				
54806	90	"	"	218 3/8	64 5/8	3 0	270	2 1/4	" " " " T 28/6/20 "do"	HAWSERS & WARPS	2-90	3	18				
	90	4 3/4	47	"	"	"	90	4 3/4	Steel wires certified by Flood Haggis & Co		2-90	7	Manilla 2-90				
											2-45	14	Coin				
Boats 2 lifeboats @ 22'-0", 2 @ 21'-0" and one gig Pumps, Number One Downer tone to fore peak Windlass is Emerson Walker's Engine Room Skylights.—How constructed? Steel plates tangles Coal Bunker Openings.—How constructed? Steel plates tangles How are lids secured? Cleats & battens Height above deck? 18" Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 6 scuppers fore freeing port 20"x19" each side Ceiling in Holds, thickness and material 2 1/2" white wood under hatchways Cargo Battens, thickness and material 6"x2 white wood Cargo Hatchways.—How formed? Steel plates tangles Hatches, If strong and efficient? Yes State size No. 1 Hatch (Forward) 28'-0"x19'-11 1/2" No. 2 Hatch 30'-4"x19'-11 1/2" No. 3 Hatch 18'-8"x14'-0" No. 4 Hatch 24'-19'-11 1/2" Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 4 webbs in N° 1 and 5 hatchways, 5 in N° 2 and 4 and 3 in N° 3 hatchway. No free fasten Bulwarks, height above deck and description Main Rail, material and size. The foregoing is a correct description of the vessel. Builder's Signature J.H. Readhead Sons, Limited. Surveyor's Signature J. Macdonald. Correspondence.—State dates and initials of letters respecting this case. Reference should be made in any correspondence connected with the case. M 18/2/19, 23/8/19 23/1/20, E 19/5/20 Workmanship. Are the butts of plating planed or otherwise fitted? Planed & overlapped Is the riveted work properly closed? Yes Are the liners between the frames and plates solid single pieces? Joggled framing 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 or lapped? Yes Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Yes State results of tests Good Have all the girders 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 as mentioned above and in other respects in compliance with the Requirements of the Rules. The materials & workmanship are good. The bulkheads & tunnel have been tested and found to be satisfactory. The approved plans (4 in number) are enclosed, these should be returned for reference in dealing with the duplicate vessel at present under construction. (J.H. Readhead) (J.H. Readhead) (J.H. Readhead) Sister Vessel S.S. Lewnam Rye Rpt N° 73682 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 Fees applied for 14 DEC 1920 Special Survey Fee £ 137 : 11 : 6 Received by me, 15/12/1920 Ch. 22 Travelling Expenses, if any £ - : - : - Certificate to be sent to NEWCASTLE-ON-TYNE Date of issue 22/1/20 State whether the Vessel has been built under Special Survey Yes I am of opinion this Vessel should be Classed P 100A1 "Shelter deck" Lloyd's A+C.P. With, or without Freeboard, as condition of Class With freeboard. Committee's Minute TUE 21 DEC 1920 Character assigned 100A1 shelter deck with fld. Lloyd's A+C.P. + L.M.B. 12.20 © 2020 Lloyd's Foundation																	

GENERAL REMARKS—(continued).

[Faint handwritten notes and calculations, including "18.5", "19.5", "20.5", "21.5", "22.5", "23.5", "24.5", "25.5", "26.5", "27.5", "28.5", "29.5", "30.5", "31.5", "32.5", "33.5", "34.5", "35.5", "36.5", "37.5", "38.5", "39.5", "40.5", "41.5", "42.5", "43.5", "44.5", "45.5", "46.5", "47.5", "48.5", "49.5", "50.5", "51.5", "52.5", "53.5", "54.5", "55.5", "56.5", "57.5", "58.5", "59.5", "60.5", "61.5", "62.5", "63.5", "64.5", "65.5", "66.5", "67.5", "68.5", "69.5", "70.5", "71.5", "72.5", "73.5", "74.5", "75.5", "76.5", "77.5", "78.5", "79.5", "80.5", "81.5", "82.5", "83.5", "84.5", "85.5", "86.5", "87.5", "88.5", "89.5", "90.5", "91.5", "92.5", "93.5", "94.5", "95.5", "96.5", "97.5", "98.5", "99.5", "100.5"]

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ft., Bridge ☒ ft., Forecastle ☒ ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated. (*Shelter Deck*)

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) *100 (Stl) Shelter deck (Stl)*

Official No. *142579*; 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 *yes*

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	130.66	383	Fore peak tank,	20	76
Double bottom, under Engines and Boilers,	44.33	194	After peak tank,	24	156
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	177.33	642	Other tanks, if fitted,		
	Total capacity of double bottom	1219	(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. *887*

Date *28.2.20.*

No. *463* in builder's yard.

DATES OF SURVEYS held while building

1919. Dec. 16. 24. 1920. Jan. 7. 15. 23. Feb. 4. 13. 20. 27. Mar. 10. 17. 26. Apr. 8. 19. 29. May. 12. 20. Jun. 2. 17. July. 12. 15. 19. 23. 30. Aug. 9. 19. 25. 31. Sept. 9. 15. 23. Oct. 8. 12. 29. Nov. 9. 22. 23. 29. Dec. 2.

Total No. of Visits *40.*

Surveyor's Signature

J. Macdonald

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