

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office TUE 15 JAN 1924

Date of completion of report January 14th 1924 Port of Sunderland
 Survey held at Sunderland Date, First Survey 16th March 1923 Last Survey 12th January 1924 No. 28715
 On the (State if Single, Twin, or Triple Screw) SINGLE SCREW "PENHALE" Rig Schooner

TONNAGE under 3721.86
Tonnage Deck ...
 Do. between Tonnage Dk. and 3rd and 4th Dk. ...
Total under Upper Dk. ...
 Do. of Poop 96.09
 Do. of R.Q.Dk. ...
 Do. of Bridge House 31.21
 Do. of Forecastle 16.07
 Do. of Houses on Dk. 132.98
 Do. of excess of Hatchways 49.06
 Do. above Crown of Engine Room 23.80
Gross Tonnage 4071.07
 Less Crew Space 182.68
 Less above Crown of Engine Room ...
TONNAGE FOR FEES ...
 Less Engine Room 1302.74
 Less Navigation Spaces 134.37

CLASS 100 A1
Breadth (greatest moulded) 51.16
Depth, at middle of length from top of keel to top of upper deck beams at side 26.08
Longitudinal Transverse Number (L x D) 9496
Length on deck from fore part of stem to after part of stern post 364.12
Longitudinal Number L x (B + D) 28124
Depth "d", at middle of length (See Secs. 2 & 13) 21.87
Proportions—Depths to Length—Upper Deck Beam at side to top of keel 13.96
 " " Long Bridge Deck Beam at side to top of keel 10.99

Master ...
Year of appointment ...
Built at Sunderland
When built 1924 **Launched** Nov 22nd 1923
By whom built Sir John Priestman & Co
Owners R. B. Chellaw & Co, Nav 6th
Managers J. Shearman
Residence Cardiff
Port belonging to Cardiff

Register Tonnage 2451.28 **Destined Voyage** Cardiff for orders If Surveyed while Building, Afloat, or in Dry Dock yes, both

LENGTH on Deck as per Rule 364 1/2 **BREADTH** Moulded 51 2 **DEPTH, ACTUAL**—Top of Floors to top of Upper Dk. Beams 23 9/2
 Do. do. do. do. Second Dk. Beams 23 9/2
 Moulded depth, ft. 33 ins. 1 1/2 To Bridge Dk. Round of Upper Dk. Beam, Actual 12 1/2 ins.
 Moulded depth, ft. 26 ins. 1 To Upper Dk. Dk. Beam, Actual

FRAMING.						PILLARS.					
	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.		Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	
FRAME, Angles, or E or L Bars amidships	10 1/2	3 1/2	50	10 1/2	3 1/2	50	PILLARS In 'tween Deck, size and spacing	2 1/4 x 2 1/2	4 x 4	4 x 50 angles	48
Do. in peaks	6 1/2	3 1/2	42	6 1/2	3 1/2	42	" " Hold	"	"	Centre line bhd	and 50
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	37 1/2	3 1/2	3 1/2	37 1/2	" Quarter 'tween Dks.,	"	"	wide spaced as per plan	1
" " " at intermdt. Bkts.	7 1/2	3 1/2	42	7 1/2	3 1/2	42	" " in Hold	masky space.	"	"	"
Spacing of Frames from centre to centre amidships	"	25	"	25	"	"	KEELSONS & STRINGERS.				
" " " from 1/2 length to Collision bulkhead	"	25	"	25	"	"	CENTRE LINE KEELSON , Vertical Plate above floors, Through Plate, or Intercoastal Plate	"	"	"	"
" " " in peaks	"	24	"	24	"	"	" Rider Plate	"	"	"	"
REVERSED FRAME, Angles	3 1/2	3 1/2	37 1/2	3 1/2	3 1/2	37 1/2	" Flat Plate Keel Angles	"	"	"	"
Do. in way of Double Bottoms at Solid Floors	7	3	42	7	3	42	" Horizontal Plates on Floors	"	"	"	"
" " " at intermdt. Bkts.	"	"	"	"	"	"	" Angles or Bulb Angles	"	"	"	"
FRAMING , depth of girder	10 1/2	"	10 1/2	"	"	"	SIDE KEELSONS , Number	"	"	"	"
FLOORS , depth and thickness of Floor Plate at mid-line for 1/2 length amidships	E 36	x	B 46	E 36	B 46	"	" Angles or Bulb Angles	"	"	"	"
" in way of Engine and Boiler Spaces	"	"	"	"	"	"	" Plate above floors, for length	"	"	"	"
" thickness at the ends of vessel	"	"	"	"	"	"	" Intercoastal Plate, for length	"	"	"	"
" depth at 1/2 the half breadth, as per Rule	"	"	"	"	"	"	" Attached to outside Plating with Angle	"	"	"	"
" height extended at the Bilges	"	"	"	"	"	"	BILGE KEELSON , Angles	"	"	"	"
FLOORS in Cell. Double Bottoms	"	36	"	36	"	"	" Intercoastal Plate for length	"	"	"	"
" state if flanged (top & bottom)	no	"	no	"	"	"	" Attached to outside Plating with Angle	"	"	"	"
" Spacing of Solid floors	75 and 25	"	75 and 25	"	"	"	SIDE STRINGERS , Number 3	"	"	"	"
CENTRE GIRDER , in Dbl. bottom, dpth. & thcknss.	40 1/2	"	48	40	"	48	" Panting forward Angle	6	4	51	6 3/2 51
" " Angles, Top	5	5	47	5	5	47	" Intercoastal Plate, for length	"	"	42	" 42
" " Bottom	5	5	53	5	5	53	" Attached to outside plating with Angle	3 1/2	3 1/2	42	3 1/2 42
" " to Floors	3 1/2	3 1/2	37 1/2	3 1/2	3 1/2	37 1/2	Upper Deck Stringer Plate , br'dth & thickness (clear of Bridge)	53	86	53	86
" Brackets at intermdt. frmg., wdth & thcknss	44	x	36	44	x	36	" " " (br'dth & thickness) (in way of Bridge)	53	60	53	37
SIDE GIRDERS , number on each side & thickness	one	36	one	36	"	"	" " " Angle (clear of Bridge)	6 x 6	86	6 x 6	86
" " state if flanged (top and bottom)	no	"	no	"	"	"	" Tie Plate at sides of Hatchways	"	"	"	"
" " Angles (top and bottom)	3 1/2	3 1/2	37 1/2	3 1/2	3 1/2	37 1/2	" Deck * Iron or Steel, for full lng.	"	"	"	"
" " to Floors	3	3	34	3	3	34	" Thickness (clear of Bridge)	6 1/4	6	38	6 1/4 6 38
MARGIN PLATE , depth (exclusive of flange) and thickness	32 1/2	"	45	31	"	45	" " (in way of Bridge)	33	32	33	32
" " Angle to Outside Plating	3 1/2	3 1/2	47	3 1/2	3 1/2	47	" Wood Deck. Material & thickness	"	"	"	"
" " Floors	3 1/2	3 1/2	37 1/2	3 1/2	3 1/2	37 1/2	Second Deck Stringer Plate , br'dth & thickness	"	"	"	"
" Brackets at intermdt. frmg., wdth & thcknss	54	"	36	54	"	36	" Angles on ditto, No.	"	"	"	"
" Height of Outside Brackets above at bilge	6	10	"	6	10	"	" Tie Plates outside Hatchways	"	"	"	"
INNER BOTTOM PLATING , breadth and thickness of Middle Line Strake	74	"	47	49	"	47	" Deck * Iron or Steel, for lng.	"	"	"	"
" " in Engine and Boiler space	E 54	B 54	E 47	B 54	"	5	" Wood Deck. Material & thickness	"	"	"	"
" " Remainder in Holds	40	10	37 1/2	40	10	35	Third Deck Stringer Plate , br'dth & thickness	"	"	"	"
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	6 1/2	3 1/2	35	6 1/2	3 1/2	35	" Angles on ditto, No.	"	"	"	"
" In way of Long Bridge	6 1/2	3 1/2	35	6 1/2	3 1/2	35	" Tie Plates outside Hatchways	"	"	"	"
" Spacing	25	"	25	"	"	"	" Deck * Material and thickness	"	"	"	"
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	"	"	"	"	"	"	Fourth and Fifth Deck Stringer Plate , breadth & thickness	"	"	"	"
" Spacing	"	"	"	"	"	"	" Angles on ditto, No.	"	"	"	"
BEAMS, Third and Fourth Deck, Single Angle Bulb Angle, Plate, Tee Bulb, or Channel	"	"	"	"	"	"	" Tie Plates outside Hatchways	"	"	"	"
" Angles on upper edge	"	"	"	"	"	"	" Deck. Material & thickness	"	"	"	"
" Spacing	"	"	"	"	"	"	Poop Deck Stringer Plate , breadth & thickness	"	"	"	"
BEAMS, Poop Deck, Angle, Bulb Angle, Plate Tee Bulb, or Channel	6	3	38	6	3	38	" Angle on ditto	3 1/2 x 3 1/2	34	3 1/2 x 3 1/2	34
" Angles on upper edge	"	"	"	"	"	"	" Tie Plates	3 1/4 x	30	3 1/4 x	30
" Spacing	48	50	48	50	"	"	" Deck. Material and thickness	sheathed with 2 1/2 P.P.	"	"	"
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate Tee Bulb, or Channel	6	3	40	6	3	40	Bridge Deck Stringer Plate , br'dth & thickness	53 x	48	53 x	48
" Angles on upper edge	"	"	"	"	"	"	" Angle on ditto	5 x 5	48	5 x 5	48
" Spacing	25	24	25	24	"	"	" Tie Plates	"	"	"	"
BEAMS, Forecastle Deck, Angle, Bulb Angle Plate, Tee Bulb, or Channel	6 1/2	3 1/2	38	6 1/2	3 1/2	35	" Deck. Material and thickness	"	34	"	34
" Angles on upper edge	"	"	"	"	"	"	Forecastle Deck Stringer Plate , b'dth & th'kns	"	33	"	33
" Spacing	25	24	25	24	"	"	" Angle on ditto	3 1/2 x 3 1/2	40	3 1/2 x 3 1/2	40
							" Tie Plates	"	"	"	"
							" Deck. Material and thickness	Steel	33	"	33

[illegible]

EQUIPMENT No. 29257		LETTER W		ANCHORS.		TONNAGE U. DK. 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.	Cwts.	qrs.				lbs.
27764	1st Bower	53	1	0	Stockless			44	7	2	0	52	2	0	Byers improved.	not stated	Sld. 14 th 12-23.
27693	2nd "	52	2	0	"			43	18	3	0	52	2	0	"	"	" 31- 8-23
27655	3rd "	44	3	0	"			39	1	3	14	44	2	0	"	"	" 3- 8-23
	4th "																
	Collective weight.	150	2	0								149	2	0			
39015	Stream	14	1	22	3	2	16	16	1	1	0	14	0	0	Ord 7 W Iron	R. Dykes & Sons	Bradley Heath 16-10-23
21687	Kedge	6	0	21	1	2	7	8	10	0	0	not reg. by rule	"	"	"	S. Taylor & Sons	L. Paul.
Particulars of Drop Test of Cast Steel Anchors, viz.:-		1st Bower 33.2.21 No 244 L.R. RW 18.7.23.															
Weight, Surveyor's Initials, Number of Certificate, Date of Test.		2nd " 33.1.0 " 203 L.R. MR 24.5.23.															
		3rd " 28.0.21 " 5170 L.R. AB 28.1.23.															
		4th " 45 " 8844 F.S.D. " 270 " 27.4.23															

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.	
	Length.	Diam.	Stations.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.	Length.	Diam.					Length.	Cir.		Length.	Cir.
35430	270	2 1/2	76 1/2	107 1/2	583.2.14	573.3.0	270	2 1/2	Stud	R. Dykes & Sons	Bradley Heath 16/10/23 L. Paul.	TOWLINE	270	4 1/2	39	120	4 1/2		
Iron. Stream Chain or Steel Wire	90	Cir. 4 1/2	39				90	Cir. 4 1/2	Galv	R. Webster & Co.		HAWSERS & WARPS	2-90	2 1/2	12 1/2	4-90	2 1/2		

Boats 1-27 ft. 1.28 ft lifeboats 2-16 ft dinghies Steering Gear, Steam Hastie, brake gear fitted. Steering Gear, Hand Auxiliary were Pumps, Number one to fore peak flat. Diameter of Barrel 4 1/2" ropes tackle operated from which Windlass is Steam. Clarke Chapman Capstan State whether they are in efficient working order yes

Engine Room Skylights. How constructed? Steel plates + angles What arrangements for deadlights in bad weather? deadlights Coal Bunker Openings. How constructed? Steel plates + angles How are lids secured? Vanpauline battens + cleats Height above deck? 2'-6" Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 9 scuppers, 12-4'-0" x 1'-4'-6" 3 ports each side of vessel. Ceiling in Holds, thickness and material 2 1/2" Pine on grounds Cargo Battens, thickness and material 2" Pine Cargo Hatchways. How formed? Steel plates and angles Hatches, If strong and efficient? yes State size No. 1 Hatch (Forward) 25'-0" x 18'-0" No. 2 Hatch 31'-3" x 18'-0" No. 3 Hatch 10'-5" x 16'-0" No. 4 Hatch 29'-2" x 18'-0" Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 4 to No. 1 and 5, 5 to No. 2 and 4, 16 to No. 3. No. of Breasthooks 3 + dks No. of Crutches deep floors Bulwarks, height above deck and description 3'-6" x 26" HL 6' x 40" BA Stays Main Rail, material and size HL 6 1/2' x 3 1/2' x 34" BA. The foregoing is a correct description. Surveyor's Signature W. R. Collings. Builder's Signature (here only) J. R. R. Collings. Surveyor to Lloyd's Register of Shipping.

Correspondence. State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)

M. 8. 22; 21. 3. 22; 27. 4. 22; 11. 5. 22; 12. 5. 22; 25. 6. 22; 22. 5. 22; 8. 8. 22.

Workmanship. Are the butts of plating planed or otherwise fitted? overlapped and planed. Is the riveted work properly closed? yes Are the liners between the frames and plates solid single pieces? jogged 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 faying 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 staggered? 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.) This vessel has been built in accordance with the approved plans, in conformity with the rules and secretaries letters. The materials & workmanship are satisfactory. The Owners sanction has been received by the Builders for the construction of the vessel under the requirements of the revised rules. 14 Approved plans, midships section & profile & dk plans as built, and 14 forging certificates are herewith attached.

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.

Freeboard Fee £10.0.0 The amount of Entry Fee £8. Special Survey Fee £278.11 Travelling Expenses, if any £ State whether the Vessel has been built under Special Survey yes I am of opinion this Vessel should be Classed H-100 A1 With, or without Freeboard, as condition of Class without

Fees applied for, 10 Jan 1924 Received by me, 1924

Certificate to be sent to SUNDERLAND Date of issue 11/2/24

W. R. Collings. Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI JAN 18 1924 Character assigned + 100 A1

Lloyd's Assoc. + Lmb. 1.24

TUE 29 JAN. 1924

© 2020 Lloyd's Register Foundation

GENERAL REMARKS—(continued).

BULKHEADS	NUMBER		THICKNESS	STIFFENERS				SINGLE OR DOUBLE FRAME	HEIGHT UP
	VESSEL	RULE		HORIZONTAL SIZE	SACING	VERTICAL SIZE	SACING		
	6	6							
Nº 9			60' 46.32	Semi box beam + tunnel recess		9 x 3½ x 44 BA	24	Single	Upp. Deck
Nº 38			45' 38.630			11 x 3½ x 52 BA 11 x 3½ x 48 BA + 9 x 3½ x 40 BA	28 25½	Single	" "
Nº 68			44' 38.630			10 x 3½ x 50 BA 6 x 3 x 34 BA	24 25½	"	" "
Nº 90			44' 6.32			10 x 3½ x 50 BA	24	"	" "
Nº 137			46' 40.630			11 x 3½ x 48 BA 11 x 3½ x 56 BA	24½ 25½	"	" "
COLLISION			44' 6.32	Semi box beam and W.I. flat		9 x 3½ x 40 BA 6½ x 3 x 34 BA	24	"	" "
LONGITUDINAL CENTRE LINE			.30			9 x 3½ x 56 BA 9 x 3½ x 42 BA 10 x 3½ x 46 BA 7 x 3 x 36 BA 6 x 3 x 36 BA	50 " " " "	"	" "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 31.25 ft., R.Q.D. ✓ ft., Bridge 102.08 ft., Forecastle 31.0 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 should appear in the Register Book) one dk (ste) ✓

Official No. 146925; Signal Letters

State if Machinery is fitted aft installed amidships ✓

How are the surfaces preserved from oxidation? Inside Paint and cement ✓ Outside Paint ✓

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

Where Fitted.	Length.		Water Capacity.		Where Fitted.	Length.		Water Capacity.
	Feet.	Tons.				Feet.	Tons.	
Double bottom, aft,	114.58	359			Fore peak tank,	20.5	113	
Double bottom, under Engines and Boilers,					After peak tank,	16.0	115	
Double bottom, if under Engines only,	22.91	88			Deep tank, aft,			
Double bottom, if under Boilers only,	16.66	54			Deep tank, forward,			
Double bottom, forward,	160.41	545			Other tanks, if fitted,			
Total capacity of double bottom	314.56	992			(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. 5544

Date 22.3.23

No. 286 in builder's yard.

DATES OF SURVEYS held while building

1923 Mar. 1, 6, 27, 29, Apr. 15, 17, 24, 27, 30, May 1, 4, 8, 10, 15, 17, 23, 25, 29, 30, June 2, 5, 12, 13, 18, 20, 22, July 2, 3, 5, 10, 11, 18, 23, 25, 31, Aug. 2, 8, 14, 15, 18, 21, 22, 24, 28, 29, 31, Sep. 3, 6, 10, 12, 13, 24, 25, 27, Oct. 2, 4, 9, 12, 16, 18, 19, 22, 24, 26, 30, Nov. 1, 5, 6, 8, 13, 16, 19, 21, 22, 28, Dec. 3, 5, 7, 10, 17, 18, 27, 28, 31, 1924 Jan. 4, 8, 12

Total No. of Visits 91

Surveyor's Signature

W. P. Collins

© 2020

Lloyd's Register Foundation