

With or Without Disconnected Erections,

STEEL STEAMER.

Received at London Office **MON APR 7 1924**

Date of completion of report **5 April 1924** Port of **Sunderland** No. **28782**
 Survey held at **Sunderland** Date, First Survey **16 May 1923** Last Survey **1 April 1924**

On the (State if Single, Twin, or Triple Screw) **SINGLE SCREW** "COATHLAND" Rig **2 masted schooner**

TONNAGE under Tonnage Deck 3453.74	CLASS F 100 A1	FEET.	Master
Do. between Tonnage Dk. and 3rd and 4th Dk.	Breadth (greatest moulded) 50.25		Year of appointment (1) As Master in service of owner of present vessel - 181 (2) As Master of this vessel - 191
Total under Upper Dk.	Depth, at middle of length from top of keel to top of upper deck beams at side 24.91		Built at Sunderland
Do. of Poop 97.51	Transverse Number 9095		When built 1924 Launched March 6th 1924
Do. of R.C. Dk. 4.42	Length on deck from fore part of stem to after part of stern post 365.0		By whom built Robt Thompson & Sons Ltd.
Do. of Bridge House 17.00	Longitudinal Number 27433		Owners Rowland Marwood & S. S. Co. Ltd.
Do. of Forecastle 16.91	Depth "d," at middle of length (See Secs. 2 & 13) 21.87		Managers Headlam & Rowland.
Do. of Hous on Dk. 128.77	Proportions—Depth to Length—Upper Deck Beam at side to top of keel 14.64		Residence Whitby
Do. of excess of Hatchways 31.60	Long Bridge Deck Beam at side to top of keel 11.08		Port belonging to Whitby
Do. above Crown of Engine Room 40.85			
Gross Tonnage 3820.86			
Less Crew Space 180.34			
Less above Crown of Engine Room 70.85			
TONNAGE FOR FEES 355.1			
Less Engine Room 1222.68			
Less Navigation Spaces 138.14			
Register Tonnage 2273.14	Destined Voyage	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
365	0		50	3		22	7		one
									No. of Tiers of Beams
									one

Dimensions of Ship per Register, Length **364.8** breadth **50.5** depth **22.55** Moulded depth, ft. **32** ins. **11** To Bridge Dk. Round of Upper Dk. Beam, Actual **12** ins.

FRAMING.				PILLARS.				KEELSONS & STRINGERS.			
	Inches in Ship.	Inches in Ship.	Inches in Ship.		Inches in Ship.	Inches in Ship.	Inches in Ship.		Inches in Ship.	Inches in Ship.	Inches in Ship.
FRAME, Angles Bars amidships	11	3 1/2	46	11	3 1/2	46		PILLARS In "tween Deck, size and spacing	6x6x50	48x51	6x6x50
Do. in peaks	7	3	32	7	3	32		" " " " " "	2 1/4 dia	48	2 1/4 dia
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	36	3 1/2	3 1/2	36		" " " " " "	4 3/8 where practicable		
" " " " at intermdt. Bkts.	8	3 1/2	46	8	3 1/2	46		" " " " " "	6x6x50	48x51	6x6x50
" " " " from #	25 1/2			25 1/2				" " " " " "	as per approved plan		
" " " " length to Collision bulkhead	24			24				KEELSONS & STRINGERS.			
" " " " in peaks	24			24				CENTRE LINE KEELSON, Vertical Plate above			
ERSED FRAME, Angles								floors, Through Plate, or Intercoastal Plate			
in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	36	3 1/2	3 1/2	36		" Rider Plate			
" " " " at intermdt. Bkts.	7 1/2	3	46	7 1/2	3	46		" Flat Plate Keel Angles			
" " " " from #	11			11				" Horizontal Plates on Floors			
ORS, depth of girder								" Angles or Bulb Angles			
ORS, depth and thickness of Floor Plate								SIDE KEELSONS, Number			
at mid-line for # length amidships	E36	B46	E36	B46				" 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			
ORS in Cell. Double Bottoms								" Intercoastal Plate for length			
state if flanged (top & bottom)	76 1/2	25 1/2	24	76 1/2	25 1/2	24		" Attached to outside Plating with Angle			
Spacing of Solid floors	40	x	48	40	x	48		SIDE STRINGERS, Number			
TRE GIRDER, in Dbl. bottom, dth. & thcknss.	3	3	46	3	3	46		" Angle	6	4	50
" " Angles, Top	4	4	52	4	4	52		" Intercoastal Plate, for length	3	3	42
" " " Bottom	3 1/2	3 1/2	36	3 1/2	3 1/2	36		" Attached to outside plating with Angle	3	3	42
" " " to Floors	30	x	36	30	x	36		Upper Deck Stringer Plate, br'dth & thickness	52 1/2	70	52 1/2
Brackets at intermdt. frmg., wdth & thcknss	one	36	one	36				" " " " br'dth & thickness	52 1/2	37	52 1/2
E GIRDERS, number on each side & thickness								" " " " (in way of Bridge)	6x6	80	6x6
state if flanged (top and bottom)	no		no					" " " " Angle (clear of Bridge)	1x20		1x20
" " Angles (top and bottom)	3 1/2	3 1/2	36	3 1/2	3 1/2	36		" Deck * Iron or Steel, for full lng.	74	6	32
" " " to Floors	3	3	34	3	3	34		" " " " Thickness (clear of Bridge)	64	6	33
RGIN PLATE, depth (exclusive of flange)	30	x	44	30	x	44		" " " " (in way of Bridge)			
and thickness	3 1/2	3 1/2	46	3 1/2	3 1/2	46		" Wood Deck. Material & thickness			
" " Angle to Outside Plating	3 1/2	3 1/2	36	3 1/2	3 1/2	36		Second Deck Stringer Plate, br'dth & thickness			
" " " Floors	30	x	36	30	x	36		" Angles on ditto, No.			
Brackets at intermdt. frmg., wdth & thcknss	60			60				" Tie Plates outside Hatchways			
ER BOTTOM PLATING, breadth and thickness of Middle Line Strake	72	x	44	72	x	44		" Deck * Iron or Steel, for lng.			
" " " in Engine and Boiler space	E46	B54	E46	B54				" Wood Deck. Material & thickness			
" " " Remainder in Holds	40	6	34	40	6	34		Third Deck Stringer Plate, br'dth & thickness			
AMS, Upper Deck, Single Angle, Bulb	10	3 1/2	44	10	3 1/2	44		" Angles on ditto, No.			
" " Angle, Plate, Tee Bulb, or Channel	9 1/2	3 1/2	48	9 1/2	3 1/2	48		" Tie Plates, outside Hatchways			
" " In way of Long Bridge Bulk angle	every frame		every frame					" Deck * Material and thickness			
" " Spacing	every frame		every frame					Fourth and Fifth Deck Stringer Plate, breadth & thickness			
AMS, Second Deck, Single Angle, Bulb								" Angles on ditto, No.			
" " Angle, Plate, Tee Bulb, or Channel								" Tie Plates outside Hatchways			
" " Spacing								" Deck. Material & thickness			
AMS, Third and Fourth Deck, Single Angle, Bulb								Poop Deck Stringer Plate, breadth & thickness	33	x	34
" " Angle, Plate, Tee Bulb, or Channel								" Angle on ditto	3 1/2	x	3 1/2
" " Angles on upper edge								" Tie Plates			
" " Spacing								" Deck. Material and thickness	Steel	30	
AMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8 1/2	3	40	8 1/2	3	40		Bridge Deck Stringer Plate, br'dth & thickness	52 1/2	51	52 1/2
" " Angles on upper edge								" Angle on ditto	5x5	51	5x5
" " Spacing	all frames		all frames					" Tie Plates	67.57	40	67.57
AMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3	35	8	3	35		" Deck. Material and thickness	Steel	37	6
" " Angles on upper edge	6	3	34	6	3	34		Forecastle Deck Stringer Plate, br'dth & th'kns	33	34	33
" " Spacing	every frame		every frame					" Angle on ditto	3 1/2	x	3 1/2
AMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3	36	8	3	36		" Tie Plates			
" " Angles on upper edge	6 1/2	3	34	6 1/2	3	34		" Deck. Material and thickness	Steel	34 and 37	34 x 37
" " Spacing	every frame		every frame								

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WEB FRAMES.				Inches in Ship.				Inches per Rule.				FORGINGS or CASTINGS.				Inches in Ship.				Inches per Rule, Or as Approved.			
WEB-FRAMES, In Fore Body, No. and spacing				Framing increased forward				KEEL, Bar, depth and thickness				8 3/4 x 23/8				8 3/4 x 23/8							
" " " brdth. & thickness				in conjunction with				STEM, moulding and thickness				8 3/4 x 6 5/8				8 3/4 x 6 5/8							
" " " No. of Side Stringers				Side Stringers in line.				STERN-POST for Rudder do. do.				9 3/4 x 6 5/8				9 3/4 x 6 5/8							
WEB-FRAMES, In E. & B. Space, No. & spacing				Framing increased				" for Propeller				not exceeding				118.89 x 3.19 = 379.25							
" " " brdth. & thickness				in thickness in line.				" Main-Piece, diameter at head				9				9							
WEB-FRAMES, In After Body, No. and spacing								" at heel				6 3/4				6 3/4							
" " " brdth. & thickness																							
" " " No. of Side Stringers																							
" " " Size of Face Angles to Web-Frames																							
BRACKET PLATES to Stringers between Web Frames, depth and thickness																							
BULKHEADS.				STIFFENERS.				Single or Double Frames.				Height up, state deck.				RUDDER, how constructed							
Number, Thickness.				Horizontal, Vertical.												Forged, arms shrunk on							
Vessel, Per Rule.				Size, Spacing.												Thickness of Plates or Single Plate							
6 6 30 46 32 30				5 3/8 8 3/4 8 3/4 4 3/4				SINGLE UPPER								1.04							
AFTER PEAK				W.T. BULKHEADS												Can the Rudder be unshipped afloat?							
12 40				38-26				11 3/4 x 46 30								yes							
12 68				38-26				10 1/2 x 3 1/2 x 46 30															
12 91				44-26																			
12 134				39-26				12 x 3 1/2 x 50															
" COLLISION "				43 5/8 28 1/2 26				5 3/8 9 1/2 x 3 1/2 x 46 24															
PARTITION "								8 1/2 x 3 x 46															
LONGITUDINAL "								6 x 3 x 34															
								4 x 3 x 30 above W.T.F.															
Are the outside Plates doubled two spaces of Frames in length?				Frames joggled																			
Are the Hatch Valves and Watertight Doors in efficient working order?				yes																			
PLATING.				RIVETING.																			
STRAKES.				AS IN SHIP.				PER RULE OR AS APPROVED.				EDGES.				BUTTS.							
				AMIDSHIP.				AMIDSHIP.				Ordinary or joggled?				Double or Treble and for what Length.							
				Breadth, Thickness.				Breadth, Thickness.				Single or Double.				RIVETS.							
				Inches, Inches.				Inches, Inches.				Inches, Inches.				Diam. Spacing or to cr.							
				Inches, Inches.				Inches, Inches.				Inches, Inches.				Inches, Inches.							
FLAT PLATE KEEL				47 68				47 68				56 54 28 3 3/8				3R FL 7/8 3 1/8							
GARBOARD OF A Strake				64 54 48 44				54															
State actual thickness in wa. of Double Bottom.				64 54 44 44				54															
B "				64 54 44 44				54															
C "				60 54 44 44				54															
D "				58 54 48 44				54															
E "				56 54 44 44				54															
F "				67 54 42 42				54															
G "				67 54 42 42				54															
H "				66 54 42 42				54															
J "				50 54 42 42				50 54															
UPPER DECK KSHEER				51 57 57 57				57															
BRIDGE LSHEER				49 57 57 57				49 57															
BRIDGE MSHEER																							
N "																							
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V "																							
W "																							
THICKNESS OF SHEER STRAKE				50 76 42 42				50 76				56 6 1 3 3/8				4R 3/4 L 3R ends 1 4							
CLEAR OF LONG BRIDGE				66 68 42 42				66 68				56 6 1 3 3/8				3R FL 7/8 3 1/8							
DO. OF STRAKE BELOW																							
DBLE. of Flat Plate Keel																							
" Sheerstrakes				increased in thickness at bridge ends to 1.14																			
Length and thickness.																							
POOP SIDES				36				36				Single 3 3/4 3				Single 3/4 2 5/8							
SHORT BRIDGE SIDES				38				38				Single 3 3/4 3				Single 3/4 2 5/8							
FORECASTLE SIDES																							
Upper Deck				Butts, HR riveted for 3/4 length amidship.																			
Stringer Plate				Straps, single, double or overlapped for full length amidship.																			
Second Deck				Butts, riveted for length amidship.																			
Stringer Plate				Straps, single or overlapped for length amidship.																			
Butts of Side Stringers																							
Tie Plates																							
Inner Bottom Plating, riveting of Edges				Single Butts 3R 2R + 1R.																			
Centre Girder Butts, Treble				riveted. Keelson Butts, riveted.																			
Frames, riveted through Plates with				7/8 in. Rivets, about 5 1/4 x 4 1/2 apart.																			
Rivets, state whether Iron or Steel				Steel																			
FRAMES extend in one length from				C. Girder to margin thence to Upper, Side & floor dks. State if ordinary or joggled																			
REVERSED FRAMES on floors and frames extend from				Centre girder to bank margins. State if ordinary or joggled																			
MASTS, SPARS, &c.																							
Material.				Total Length.				DIAMETER AND THICKNESS.				No. of Plates in round.				ANGLES.							
								At Partners, Heel, Hounds, & Head.								Number, Size.							
																Seams, Butts.							
Fore				Steel 41'-0"				19 1/2 x 33 19 1/2 x 33 15 1/2 x 29				2				Single Treble sole							
Main				44'-0"				20 1/2 x 34 19 1/2 x 34 16 1/2 x 30				2				Single Treble sole							
Mizen																							
Bowsprit																							
Topmasts, Yards and Remainder of Spars				Pine, 37'-0" x 12" 6 1/2"																			
Rigging, Material and Size, Shrouds				Galv Steel wire 4 1/2" cir.																			
Stays				Galv Steel wire 3 1/2 x 3 1/2																			
Sails.				Suit of																			

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 33.37 ft., R.Q.D. ☒ ft., Bridge 216.75 ft., Forecastle 36.0 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 should appear in the Register Book). 1 dk. (Stl)
 Official No. 137084; Signal Letters _____ State if Machinery is fitted aft Installed amidships
 How are the surfaces preserved from oxidation? Inside paint, cement throughout 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. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>112-4 1/2</u>	<u>363</u>	Fore peak tank,	<u>20.4</u>	<u>168</u>
Double bottom, under Engines and Boilers,	<u>40-4 1/2</u>	<u>150</u>	After peak tank,	<u>18.0</u>	<u>144</u>
Double bottom, if under Engines only,	—	—	Deep tank, aft,	—	—
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	—	—
Double bottom, forward,	<u>157-3</u>	<u>501</u>	Other tanks, if fitted,	—	—
	Total capacity of double bottom	<u>1014</u>	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks. 310-3

State whether the above have been tested as required by the Rules. yes

Order for Special Survey No. 5545

Date 24.8.23

No. 320 in builder's yard.

DATES of Surveys held while building

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

Total No. of Visits 10

Surveyor's Signature

W.P. Collings

Dated

330j (334798)