

STEEL STEAMER or MOTORSHIP.

Received at London Office

34 JUN 1925

State if Report has been sent on the Freeboard of the Vessel yesState if Report is sent on the Machinery of the Vessel yesDate of completion of report 23rd June 1925 Port of Sunderland No. 29090
Survey held at Sunderland Date First Survey 28th Oct. 1924 Last Survey 13th June 1925On the (State if Machinery fitted Aft and of Single, Twin or Triple Screw) SINGLE SCREW SANDSEND 40863
State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full Scantling State Type of Erections Pop Bridge & File

TONNAGE under 3212.56 CLASS F100 A1 State if with freeboard as condition of Class no Built at Sunderland
Do. of space or spaces between Tonnage Dk. and Upper Dk. Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 347.41
Total Breadth (greatest moulded) B 49.40 Builders Wm Pickersgill & Sons Ltd
Gross Tonnage 3612.19 Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 24.90 Owners Rowland & Marwood S.S. Co. Ltd
Register Tonnage 2146.02 1st Longitudinal Number (L x D) = 8650.51 Managers Headlam & Rowland
2nd Numeral L x (B + D) = 25916.79 (Where necessary to be entered in Reg. Book.)
REGISTERED DIMENSIONS. FEET.
Length 348.00 Framing Depth "d," at middle of length. See Sec. 3 (1d) with increased Tank Side Bkt. 21.34 Residence 43 Flowergate, Whitby.
Breadth 50.00 Proportions—Depth to Length—Uppermost continuous deck to top of keel 13.95 Port of Registry Whitby.
Depth 22.90 Do. Long Bridge to top of keel 10.55 If surveyed while building, afloat, or in dry dock
Draught Moulded 20'-10" Building & in dry dock.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	36	✓	Bracket Floors, Frame	1 9 1/2 3 1/2 50	✓
" " from 1/2 length to Collision bulkhead	24	✓	" " Reversed Frame	1 9 3 50	✓
" " in peaks	24	✓	" " Vertical Struts	1 9 3 50	✓
DE FRAMING.			Centre Girder, depth and thickness amidships	36 x 48	✓
Frame Amidships, Angle, [<u>45</u>]	12 x 3 1/2 x 3 1/2 x 45/50	✓	" " top Angles <u>Single</u>	5 5 45	✓
" " Extends up to	<u>upper dk</u>	✓	" " bottom Angles <u>Single</u>	5 5 52	✓
Reversed Frame Amidships, Angle	- - -	✓	Side Girders, No. each side and thickness	ONE 36	✓
" " Extends up to	- - -	✓	Margin Plate depth (excl. of flange) and thickness	30 1/2 x 48	✓
Depth of Framing Girder	12	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	5 5 40	✓
Frames in Uppermost Continuous 'tween Decks, Angle, [or []	- - -	✓	" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	5 5 40	✓
" " Second 'tween Decks, Angle, [or []	- - -	✓	" " Gussets, spacing and scantling abaft 1/4 len. from stem	6 x 6 x 44 27 1/2	✓
" " Third " " " "	- - -	✓	" " Gussets, spacing and scantling forward 1/4 len. from stem	6 x 6 x 44 27 1/2	✓
Framing in Peaks, Angle or []	6 1/2 3 40	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	5 8 1/2 5'-9"	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 4 3/8	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	no	✓	Breadth and thickness of Middle Line Strake	44 1/2 x 45	✓
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	<u>Int. stringers. ✓</u> <u>Frame modulus increased</u>	✓	Thickness of remainder in Holds	44 6 35	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<u>Single framing to double.</u> <u>add intercostals.</u> <u>midship rule thickness of shell plating maintained.</u>	✓	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	<u>yes</u>	✓
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, [or []	11 3 1/2 52	✓
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [or []	11 3 1/2 44	✓
Middle Line Keelson, on Floors, Angles, [or []			Spacing	36	✓
" " Through Plate or Intercostal Plate			Second Deck, amidships, Angle, [or []		
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, [or []		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercostal Plate			Fourth Deck, amidships, Angle, [or []		
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, [or []	9 3 1/2 40 19ft span	✓
Solid Floors, thickness and spacing	36 @ 72	✓	Spacing	7 3 36 20ft "	✓
" " Are Frame and Reversed Frame joggled?	<u>no</u>	✓	Bridge Deck, Angle, [or []	48 and 36 respectively	✓
Bracket Floors, breadth and thickness at middle line	30 x 40	✓	Spacing	9 3 42 9 x 3 1/2 x 42	✓
" " breadth and thickness at margin plate	30 x 40	✓	Forecastle Deck, Angle, [or []	10 3 1/2 45 18-6 span	✓
			Spacing	8 3 40 10-0 "	✓

W79-0177-112

PILLARS AND DECKS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....	ONE	/
" <i>Icbe</i> in between Decks, Size and Spacing.....	.26 C.L. bhd. <i>5x3x40] Stuffs</i>	/
" <i>Bridge</i> " " " "	and <i>2 3/4 dia 54x48</i>	/
" <i>Poop tween decks</i> in Holds " "	{ .26 H.C.L. bhd. <i>5x3x40] Stuffs @ 72</i> <i>6x3x3x45]</i> " "	/
" " " "	<i>2 3/4 @ 36x48</i>	/
" " " "	<i>8x3 1/2 x 44 2", 8 1/2 x 3 1/2 x 44 B.P.</i>	/
Centre Line Bulkhead. Stiffeners and Spacing.....	<i>9x3 1/2 x 48. "</i> <i>8 1/2 x 3 x 42, 3 3/8</i> <i>5 1/2 x 3 x 30</i>	/
Plating, thickness of <i>.30</i>	<i>6x3x38 @ 36</i> <i>5x3x42 @ 36</i>	/
STRINGERS AND DECKS. Uppermost Continuous Deck. Stringer Plate, breadth and thickness in Wells	<i>5 1/2 x 83</i> ✓ <i>52 wide</i>	/
" " " " in way of Bridge	<i>5 1/2 x 86</i> ✓ <i>52 "</i>	/
" Angle in Wells	<i>6 6 83</i> ✓	/
Thickness of Plating abreast Deck openings } in way of Wells	<i>.70 - .50</i> ✓	/
Thickness of Plating abreast Deck openings } in way of Bridge	<i>.34</i> ✓	/
Thickness of Plating within line of openings...	<i>.39 and .40</i>	/
If Sheathed, material and thickness	-	/
Second Deck. Stringer Plate, breadth and thickness in Wells...	-	/

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	SINGLE OR DOUBLE.	RIVETS.	No. of Rows of RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.						Diam.	Spacing cr. to cr.		Diam.
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	44	.67	.61	.61		Double	7/8	3 1/2	Three	7/8	3 1/8	Lapped.	
„ DBLG. (if any)	-	-	-	-		-	-	-	-	-	-	-	
BOTTOM PLATING, No. of Strakes 4	63 1/2	.63	.54	.57		Double	7/8	3 1/2	Three	7/8	3 1/8	Lapped.	
BILGE PLATING, No. of Strakes ONE	7 1/2	.63	.43	.53		"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes 3	66	.63	.42	.54		"	"	"	"	"	"	"	
UPPER DECK, Sheer- strake in Wells.....	49	.86	.42	.42		"	1	4	Five	1	4 1/2	"	
UPPER DECK, Sheer- strake in Bridge ...	49	.63	-	-		"	7/8	3 1/2	Three	7/8	3 1/8	"	
STRAKE BELOW Sheer- strake in Wells.....	49	.71	.42	.42		"	1	4	Four	7/8	3 1/2	"	
STRAKE BELOW Sheer- strake in Bridge ...	49	.63	-	-		"	7/8	3 1/2	Three	7/8	3 1/8	"	
POOP SIDE PLATING36		Single	3/4	3	Single	3/4	2 5/8	"	
BRIDGE SIDE PLATING53				Double	7/8	3 1/2	Three	7/8	3 1/8	"	
FOREC'TLE SIDE PLATING			.38			Single	3/4	3	Single	3/4	2 5/8	"	

WATERTIGHT BULKHEADS.

			Plating Thickness.	STIFFENERS.			
				VERTICAL.		HORIZONTAL.	
				Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks			✓	-	-	-	-
"	"	Second "	✓	-	-	-	-
"	"	Third "	✓	-	-	-	-
"	"	Holds	✓	44'-26"	12×3½×3½	30" @ 30"	-
COLLISION " (in Hold)			✓	46'-30"	9½×3×50"	@ 24" S.B.B. & W.T.F.	
AFTER PEAK "			✓	32'-30"	6½×3×46"	@ 24" S.B.B. ONE	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM	✓ Rolled bar.	$8\frac{5}{8} \times 2\frac{7}{8}$	✓	
STERN FRAME {	Propeller Post	✓ Forging	$9\frac{3}{4} \times 6\frac{1}{4}$	T.S. Foster
	Rudder	✓ " "	$8\frac{3}{4} \times 6\frac{1}{4}$	Woods Ltd.
RUDDER—A × D		$116.0 \times 3.24 = 375.8$	✓	
Speed of Vessel		$9\frac{1}{2}$ knots	✓	
RUDDER mainpiece at head	✓ Forging	$8\frac{1}{8}$ dia	T.S. Foster	
" " heel	✓ " "	$6\frac{1}{16}$	Woods Ltd.	
✓ " how constructed	✓	Built 4 arms	shrunken on.	✓
✓ " double or single plate	✓	Single	1.04	✓
✓ " coupling, vertical or horizontal	✓	Horizontal.		✓

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth process.*
Dorman Long & Co. Ltd. South Durham S. & B. & Co. Ltd. Bolchow Vaughan & Co. Ltd. Cargo Fleet & Co. Ltd.
Pease & Partners & Co. Ltd. Frodingham S. & B. & Co. Ltd. Phoenix Abteilung Wiessdorfer Rohren.
 Has the Steel been tested as required by the Rules? *yes.*

EQUIPMENT No. 27283-87										LETTER V		ANCHORS.			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				
87396	1st Bower ...	49	0	0	stockless			41	15	0	0	✓ 48 3/4	Hartshorne, C.S. Head	N. Hingley Sons	Netherton 7-3-25.
87395	2nd „ ...	48	3	7	"			41	13	1	21	✓ 48 3/4	" " "	" " "	" " "
87394	3rd „ ...	41	3	14	"			37	0	3	21	✓ 41 1/2	" " "	" " "	" " "
	Collective weight.	139	2	21								✓ 139 1/2			H. Green
87408	Stream	13	0	9	3	2	5	14	17	0	21	✓ 13	Ordinary. T.W.S.	N. Hingley Sons	Netherton 5-3-25, H. Green

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.				Length and size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and size supplied.		Breaking Test of Steel Wire.	Length and size per Table 53.	
	Length.	Diam.	Statutory.	Break-ing.	Supplied.	Per Rule.			Length.	Diam.					Length.	Cir.		Length.	Cir.
75914	135	2	72	100 3/4	273 3/5						Stud	N. Hingley	Netherton 13-3-25	TOWLINE...	120	1 1/4	33	120	1 1/4
75990	135	2	72	100 3/4	275 3/14						link	H. Green	H. Green	HAWSERS & WARPS	2-90	3 1/4	22	4-90	2 1/2
	270				549 2/19	538 3/4			270	2					2-90	2 1/2	12 1/2		
Lean Stream Chain-Steel Wire	90	4 1/2		39					90	4 1/2	Gale	Syne Wire Rope							

Steering Gear, Steam *J. Lynn & Co. Ltd.* Steering Gear, Hand *Moore Eng. & Pipe Works*
 Boats *2-22 Life + 2-18 ft cutters* Steering Chains, Size and Test *1 1/4" dia. 18-15-0-0* Windlass *Emerson Walker*
 Ceiling in Holds, thickness and material *none except over bilges* Cargo Battens, thickness, material and spacing *2" W.P. spaced 9"*
under hatchways.
 Cargo Hatchways.-(Upper Deck) *Steel plates & angles.* Thickness of Hatches *3"*
 Size of No. 1 Hatchway (Forward) *29'3" x 20'0"* No. 2 *30'0" x 20'0"* No. 3 *15'0" x 20'0"* No. 4 *30'0" x 20'0"* No. 5 *30'0" x 20'0"* No. 6 ✓
 Number of Shifting Beams and/or Fore and Afters *4 to No. 1, 2, 4 & 5 and 2 to No. 3.*

FOR W. PICKERING & SONS LTD
 Builder's Signature *W. J. Pickering*

GENERAL DECLARATION *This vessel has been built in accordance with the approved plans and instructions, as well as the printed rules.*
The material & workmanship are satisfactory.
The freeboards have been verified and the freeboard marks cut in on the vessels sides. The weather decks, bulkheads, peak tanks, double bottom tanks, tunnel, W.D. doors, & pumps have been tested with satisfactory results.
The approved plans. (RinW) Midship section. Profile & decks. Stern frame. Rudder, Panting. Bulkheads, Tunnel, Engine & Boiler casings, Bunkers, Pumping. Upper & Bridge deck hatches, Centre line bulkhead, 3 Forging & Cast steel reports. also profile & decks as built.

The amount of Entry Fee £ *7* : : : Fees applied for,
 Special Survey Fee.... £ *255* : *12* : : *15 June 1925*
Freeboard Fee 9 : 0 : 0 Received by me,
Travelling Expenses, if any £ : : : 255

I am of opinion the Vessel should be Classed *100 A.1.*

State whether the Vessel has been built under Special Survey *yes*

Signature *W. P. Hollings*
 Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *SUNDERLAND.* Date of issue *30/6/25.*

Committee's Minute
 Character assigned

TUES. 30 JUN 1925

Lloyd's as b. P.

+ L.M. 6.25
C.L.



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Lloyd's Register Foundation

2/2 7710-6LM

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

On completion the vessel was placed on Messrs Austin's Pontoon cleaned, examined, & bottom repainted.

Particulars of Drop Test of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower 31.1.14. KH, 3052, 12.8.24.
2nd „ 31.2.14. KH, 3073, 29.8.24.
3rd „ 26.0.1, KH, 3076, 29.8.24.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 32.7 ft., R.Q.D. ✓ ft., Bridge 105.0 ft., Forecastle 29.7 (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 1 dk. (scl)

Official No. 137089 : Signal Letters Is bottom of Vessel coated with cement if not g particulars of composition Portland Cement in Boiler room & B. tank. fillets elsewhere.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Cap Tons
Double bottom, aft,	117.0	305.75	Fore peak tank,	17.68	59
Double bottom, under Engines and Boilers,	36.0	128.00	After peak tank,	20.0	132
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	✓	
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	✓	
Double bottom, forward,	155.3	459.00	Other tanks, if fitted,	✓	
Total capacity of double bottom		892.75	(If necessary, furnish further information by sketch.)		
* The wells are not to be included in the lengths of the tanks.					

Order for Special Survey No. 5586

Date 8.9.24

Dates of Surveys held while building

1924. Oct. 28.30 Nov. 17.19.20.24. Dec. 2.4.5.16.18.23.29.1925. Jan. 6.7.12.16.20.22.26.28.29.30. Feb. 2.4.6.12.16.18.23.26.26.27. Mar. 2.4.6.11.13.16.17.18.26.27.31. Apr. 2.8.9.15.17.21.23.25.27.29.30. May. 4.5.7.12.13.18.22.26.27. June. 2.5.9.11.12.13

Total No. of Visits 7