

STEEL STEAMER or MOTORSHIP.

Received at London Office 6 SEP 1927

State if Report has been sent on the Freeboard of the Vessel *Yes*State if Report is sent on the Machinery of the Vessel *Yes*Date of completion of report *August 1927*Port of *Sunderland*No. *29509*Survey held at *Sunderland*Date First Survey *2nd February 1927* Last Survey *3rd September 1927*On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Single Screw TIDESLEIGH*State Type (Full scantling, complete superstructure with or without Tonnage Openings) *complete superstructure with tonnage openings*Type of Erections *Forecastle on shelter deck*TONNAGE under Tonnage Deck... *4810.47*CLASS ** 100 A1*State if with freeboard as condition of Class *Yes*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 420.0*Launched *19/7/27* Yard No. *327*

Total

Breadth (greatest moulded) *B 55.0*Builders *R Thompson & Sons Ltd*Gross Tonnage *5205.22*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 36.37*Owners *Tatem Steam Navigation Co Ltd*Register Tonnage *3122.26*1st Longitudinal Number (L x D) *= 15275*

Managers

(Where necessary to be entered in Reg. Book.)

REGISTERED DIMENSIONS.

FEET.

Length *420.7*Framing Depth "d," at middle of length. See Sec. 3 (1d) *24.50*Breadth *55.3*Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.54*Depth *25.7*Do. Long Bridge to top of keel *—*Draught Moulded *24.9 1/4*Residence *Cambrian Buildings Cardiff*Port of Registry *London*

If surveyed while building, afloat, or in dry dock

Building and afloat

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.
AMES, Spacing amidships	28		Bracket Floors, Frame	2A, N.B.S. 6 x 3 1/2 x 37	6 x 3 1/2 x 35 BA
" " from 1/2 length to Collision bulkhead	27		" " Reversed Frame	2A, N.B.S. 6 x 3 x 30	5 1/2 x 3 x 30 BA
" " in peaks	24		" " Vertical Struts	BA, N.B.S. 10 x 3 1/2 x 3 1/2	10 x 3 1/2 x 3 1/2 BA
E FRAMING.			Centre Girder, depth and thickness amidships	4 1/2 x 56	
Frame Amidships, Angle, E or C	12 x 3 1/2 x 54		" " top Angles	3 1/2 x 3 1/2 x 54	
" " Extends up to	2nd Deck		" " bottom Angles	4 1/2 x 4 1/2 x 61	
Reversed Frame Amidships, Angle	N.B.S. Bull Angles		Side Girders, No. each side and thickness	one .41	
" " Extends up to	framing		Margin Plate depth (excl. of flange) and thickness	60 x .50	
Depth of Framing Girder	12		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6 x 6 x .45	
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	7 x 3 1/2 x 41		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	6 x 6 x .45	
" " Second 'tween Decks, Angle, E or C	— — —		" " Gussets, spacing and scantling abaft 1/2 len. from stem	— — —	
" " Third " " " "	— — —		" " Gussets, spacing and scantling forward 1/2 len. from stem	— — —	
Framing in Peaks, Angle, E or C	7 1/2 x 3 1/2 x 38		Tank Side Brackets, height above base line at toe of Frame and thickness	84 x .48	
Number and Spacing of Rivets through Frame and Shell Plating amidships	7/8 6 1/4		INNER BOTTOM PLATING.		
Is Frame Joggled	Yes		Breadth and thickness of Middle Line Strake	84 x .49	
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	Int. stringers, frame modulus increased		Thickness of remainder in Holds	42 .40	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Single framing + 1/2 in. plate additional intercostal & midship sheer thickness maintained		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?	Yes	
DOUBLE BOTTOM.			BEAMS.		
Frames, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships	N.B.S. 9 x 3 1/2 x 45	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, E or C	— — —	
Margin Line Keelson, on Floors, Angles, E or C			Spacing	28	
" " Through Plate or Intercostal Plate			Second Deck, amidships, Angle, E or C	N.B.S. 11 x 3 1/2 x 45	
" " Foundation Plate on Floors			Spacing	28	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, E or C		
Keelsons, No. each side			Spacing		
" thickness of Intercostal Plate			Fourth Deck, amidships, Angle, E or C		
" Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, E or C		
Floors, thickness and spacing	41-84, 28, 27, 24		Spacing		
" Are Frame and Reversed Frame joggled?	Yes		Bridge Deck, Angle, E or C		
Top Floors, breadth and thickness at middle line	33 x 41		Spacing		
" breadth and thickness at margin plate	7 1/2 x 41		Forecastle Deck, Angle, E or C	N.B.S. 8 x 3 x 40	
" extended to ship's side			Spacing	N.B.S. 7 x 3 x 32	

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PILLARS AND DECKS.

	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.
PILLARS , No. of Rows.....			<i>one</i>						
" in 'tween Decks, Size and Spacing.....		<i>2 7/8</i>	<i>56</i>						
" " " " " "									
" in Holds " "			<i>Centre Line Bulkhead</i>						
" " " " " "									
Centre Line Bulkhead.									
Stiffeners and Spacing.....	<i>NBS BA</i>	<i>12 x 3 1/2 x 45</i>							
	<i>B.A. OLD SEA</i>	<i>7 x 3 x 47</i>	<i>7 x 3 x 44 BA</i>	<i>NBS</i>					
Plating, thickness of		<i>30</i>							
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells.....		<i>59 1/2</i>	<i>x .62</i>						
" " " " " " in way of Bridge.....									
" Angle in Wells		<i>6 x 6 x .62</i>							
Thickness of Plating abreast Deck openings in way of Wells		<i>47 to .40</i>							
Thickness of Plating abreast Deck openings in way of Bridge									
Thickness of Plating within line of openings.....		<i>.40</i>							
If Sheathed, material and thickness									
Second Deck.									
Stringer Plate, breadth and thickness in Wells.....		<i>59 1/2</i>	<i>x .39</i>						
Stringer Plate, breadth and thickness in way of Bridge.....									
Thickness of Plating abreast Deck openings in way of Wells									
Thickness of Plating abreast Deck openings in way of Bridge									
Thickness of Plating within line of openings.....									
If Sheathed, material and thickness									
Third Deck.									
Stringer Plate, breadth and thickness.....									
If Plated, state thickness.....									
Fourth Deck.									
Stringer Plate, breadth and thickness.....									
If Plated, state thickness									
Poop Deck.									
Stringer Plate, breadth and thickness									
Plating, Sheathing, material and thickness									
Bridge Deck.									
Stringer Plate, breadth and thickness.....									
Plating, Sheathing, material and thickness									
Forecastle Deck.									
Stringer Plate, breadth and thickness.....		<i>35 x .36</i>							
Plating, Sheathing, material and thickness		<i>.34</i>							

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if Joggled? NO		RIVETS.		No. of Rows of Rivets.	STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	RIVETS.	Diam.	Spacing cr. to cr.		
	Inches.	Inches.	Inches.	Inches.				Inches.	Inches.		
FLAT PLATE KEEL	<i>52</i>	<i>.78</i>	<i>.68</i>	<i>.68</i>		<i>Double</i>	<i>1"</i>	<i>4"</i>	<i>Four</i>	<i>1"</i>	<i>Lapped</i>
" DBLG. (if any)											
BOTTOM PLATING, No. of Strakes	<i>72</i>	<i>.54</i>	<i>.50</i>	<i>.50</i>		<i>Double</i>	<i>7/8</i>	<i>3 1/2</i>	<i>Three</i>	<i>7/8</i>	<i>Lapped</i>
BILGE PLATING, No. of Strakes	<i>77 1/4</i>	<i>.54</i>	<i>.50</i>	<i>.50</i>		<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>
SIDE PLATING, No. of Strakes	<i>70 1/2</i>	<i>.54</i>	<i>.46</i>	<i>.46</i>		<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>
UPPER DECK, Sheer-strake in Wells.....											
UPPER DECK, Sheer-strake in Bridge	<i>70 1/2</i>	<i>.67</i>	<i>.46</i>	<i>.46</i>		<i>Double</i>	<i>7/8</i>	<i>3 1/2</i>	<i>Four</i>	<i>7/8</i>	<i>Lapped</i>
STRAKE BELOW Sheer-strake in Wells.....											
STRAKE BELOW Sheer-strake in Bridge	<i>70 1/2</i>	<i>.64</i>	<i>.46</i>	<i>.46</i>		<i>Double</i>	<i>7/8</i>	<i>3 1/2</i>	<i>Four</i>	<i>7/8</i>	<i>Lapped</i>
POOP SIDE PLATING											
BRIDGE SIDE PLATING											
FORECASTLE SIDE PLATING			<i>.42</i>			<i>Single</i>	<i>3/4</i>	<i>3</i>	<i>One</i>	<i>3/4</i>	<i>Lapped</i>

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c)..... *One* " Deck next below..... *Six*As per Rule *Seven*

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks					
" " Second " 					
" " Third " 					
" " Holds	<i>45-26</i>	<i>NBS</i>	<i>12 x 3 1/2 x 45 BA</i>	<i>5 x 30</i>	
COLLISION " (in Hold)	<i>53-29</i>	<i>11 x 3 1/2 x 52 BA</i>	<i>7 x 3 1/2 x 24 BA</i>	<i>5 x 30</i>	<i>2</i>
AFTER PEAK " " 	<i>48-30</i>	<i>9 x 3 1/2 x 48 BA</i>	<i>7 x 3 1/2 x 24 BA</i>	<i>5 x 30</i>	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar		<i>Flat plate keel</i>		
STEM		<i>Roller steel 9 1/2 x 2 1/8</i>		
STERN FRAME { Propeller Post		<i>Steel Forging 10 1/2 x 8</i>	<i>T. S. Fisher & Son Ltd</i>	
{ Rudder		<i>9 x 8</i>	<i>Longley Forging</i>	
RUDDER—A x D.....		<i>135.34 x 3.7 = 500.75</i>		
Speed of Vessel.....		<i>10 1/2 knots</i>		
RUDDER mainpiece at head		<i>Steel 10 1/2</i>		
" " heel		<i>Forging 8</i>		
" how constructed		<i>Welds struck on</i>		
" double or single plate		<i>Single plate 1.06</i>		
" coupling, vertical or horizontal		<i>Horizontal</i>		

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)..... *Open hearth process*STEEL. *South Durham Ltd. Bolton Longley & Co. Harman Longley & Co. Longley Forging Co. Ltd.*Has the Steel been tested as required by the Rules? *Yes*

CHAIN CABLES.

HAWSERS AND WARPS.

Builder's Signature

Certificate to be sent to Sunderland Date of issue 21/9/27

The Surveyors are requested not to write on or below the Committed's Minute.

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.)

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

1st Bower 41-2-17 CA MB 3144 29/6/27
2nd „ 40-3-22 „ MB 3143 29/6/27
3rd „ 33-0-26 „ H.H. 4662 14/6/27

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle 33.58 ft.

(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated Complete Superstructure with Tonnage opening

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 2 dks (Hul)

Official No. 149886 ; Signal Letters Is bottom of Vessel coated with cement if not give

particulars of composition Cement in Tank under Boilers, elsewhere cement fills at butts & seams

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	112-0	407	Fore peak tank,	22-0	210
Double bottom, under Engines and Boilers,			After peak tank,	20-0	147
Double bottom, if under Engines only,	25-8	135	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	200-9	880	Other tanks, if fitted,		
	Total capacity of double bottom	1422	(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. 5615

Date 28.12.26.

Dates of Surveys held while building

1927 Feb. 2. 5. 10. 12. 15. 18. 22. 24. Mch. 3. 17. 18. 21. 22. 23. 24. 25. 29. 30. 31.
Apr. 1. 5. 6. 7. 11. 12. 13. 14. 20. 21. 22. 25. 26. 27. 28. 29. May 3. 4. 5. 6. 9. 11.
13. 16. 17. 18. 19. 20. 23. 25. 30. 31. June 3. 8. 10. 14. 15. 16. 20. 21. 24. 28. 29. July
1. 4. 6. 9. 13. 15. 19. 24. Aug. 3. 9. 11. 15. 16. 19. 22. 24. 26. 29. 30. Sept. 1. 2. 3.

Total No. of Visits 84