

## STEEL STEAMER or MOTORSHIP.

23 SEP 1927

Received at London Office

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

22 SEP 1927

Port of

Newcastle-on-Tyne

No.

81827

Survey held at

Helmum-on-Tyne

Date First Survey

10 January

Last Survey

19 September 1927

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

SCL Screw Steamer "TRELAWNY"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

Complete Superstructure with Tonnage Openings

State Type of Erections

Forecastle above superstructure deck

TONNAGE under Tonnage Deck

4378.76

CLASS +100 A1

State if with freeboard as condition of Class

with

Built at

Helmum-on-Tyne

Do. of space, or spaces between Tonnage Dk. and Upper Dk.

Total

4378.76

Gross Tonnage

4689.13

Register Tonnage

2876.34

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

L 405.0

Breadth (greatest moulded)

B 54.5

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 27.17

1st Longitudinal Number (L x D)

= 14446

2nd Numeral L x (B + D)

= 36717

Framing Depth "d," at middle of length. See Sec. 3 (1d)

24.13

Proportions—Depth to Length—Uppermost continuous deck to top of keel

11.2

Do. Long Bridge to top of keel

Draught Moulded

Launched

15 Aug 1927

Yard No. 546

Builders

R. W. Hawthorn, Leslie &amp; Co. Ltd.

Owners

Hain Steamship Co. Ltd

Managers

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

Residence

Port of Registry

London

If surveyed while building, afloat, or in dry dock

all three

## 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.
SPACING, Amidships	31"	x	Bracket Floors, Frame	BA 9 1/2 3 1/2 44	x
" from 1/2 length to Collision bulkhead	27"	x	" " Reversed Frame	BA 9 3 44	x
" in peaks	24"	x	" " Vertical Struts	Flanged B&C 41	x
FRAMING.			Centre Girder, depth and thickness amidships	42 1/2 x 55	x
Frame Amidships, Angle, [ or ] channel	12 x 4 1/2 x 4 x 40	x	" " top Angles	double 3 1/2 x 3 1/2 x 53	x
" " Extends up to	2nd Dk	x	" " bottom Angles	4 x 4 x 59	x
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	one @ 41	x
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	39" x 53	x
Depth of Framing Girder	12"	x	" " Vertical Angle to Tank side	5 x 5 x 43	x
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ] BA	6 3 1/2 30	x	" " Bracket abaft 1/2 len. from stem	3 1/2 x 3 1/2 x 43 double	x
" " Second 'tween Decks, Angle, [ or ]	-		" " Vertical Angle to Tank side	3 1/2 x 3 1/2 x 43 double	x
" " Third " " "	-		" " Bracket forward 1/2 len. from stem	3 1/2 x 3 1/2 x 43 every frame	x
Framing in Peaks, Angle or [ BA	7 1/2 x 3 x 34	x	" " Gussets, spacing and scantling abaft 1/2 len. from stem	3 1/2 3 1/2 43 double every frame	x
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	6 dia 7/8 rivets	x	" " Gussets, spacing and scantling forward 1/2 len. from stem	3 1/2 3 1/2 48	x
State if Frame Joggled	Yes	x	Tank Side Brackets, height above base line at toe of Frame and thickness	5'8" x 48	x
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	3 side stringers reverse frames on each frame to deck		INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	amidships thickness 7 bottom plating additional intercostal double bottom frames		Breadth and thickness of Middle Line Strake	64" x 50	x
DOUBLE BOTTOM.			Thickness of remainder in Holds	43	x
Frames, Depth and thickness at mid-line in Holds			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	x
Height of Brackets at side above base line at toe of frame			BEAMS.		
Middle Line Keelson, on Floors, Angles, [ or ]			Uppermost Continuous Deck, amidships in Wells, Angle, [ or ]	BA 9 x 3 x 55	x
" " Through Plate or Intercostal Plate			" " in way of Bridge, Angle, [ or ]	✓	
" " Foundation Plate on Floors			Spacing	every frame	x
" " Flat Plate Keel Angles			Second Deck, amidships, Angle, [ or ] channel	10 x 5 1/2 x 3 1/2 x 57 1/2	x
Keelsons, No. each side			Spacing	every frame	x
" thickness of Intercostal Plate			Third Deck, amidships, Angle, [ or ]	✓	
" Angles			Spacing		
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, [ or ]	✓	
Mid Floors, thickness and spacing	41 (31" space way 3rd frame)		Spacing		
" Are Frame and Reversed Frame joggled?	Yes		Poop Deck, Angle, [ or ]	✓	
Bracket Floors, breadth and thickness at middle line	32" x 41		Spacing		
" breadth and thickness at margin plate	32" x 41		Bridge Deck, Angle, [ or ]	✓	
	Sublen in hull		Spacing		
			Forecastle Deck, Angle, [ or ] BA	9 3 40	x
			Spacing	alternate frames	x



# 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.
<b>PILLARS, No. of Rows.....</b>					Stringer Plate, breadth and thickness in way of Bridge .....				
„ in 'tween Decks, Size and Spacing.....	39	16	2 3/4		Thickness of Plating abreast Deck openings in way of Wells .....	36	30		
„ „ „ „ „					Thickness of Plating abreast Deck openings in way of Bridge .....				
„ in Holds „ „					Thickness of Plating within line of openings...	34	30		
„ „ „ „ „					If Sheathed, material and thickness .....				
<b>Centre Line Bulkhead.</b>					<b>Third Deck.</b>				
Stiffeners and Spacing.....	11	3 1/2	54	5' 2" spacing	Stringer Plate, breadth and thickness.....				
Plating, thickness of .....	30	16	26	16	If Plated, state thickness.....				
<b>STRINGERS AND DECKS.</b>					<b>Fourth Deck.</b>				
<b>Uppermost Continuous Deck.</b>					Stringer Plate, breadth and thickness.....				
Stringer Plate, breadth and thickness in Wells	58	59			If Plated, state thickness .....				
„ „ „ „ in way of Bridge					<b>Poop Deck.</b>				
„ Angle in Wells .....	6	6	59		Stringer Plate, breadth and thickness .....				
Thickness of Plating abreast Deck openings in way of Wells .....	46				Plating, Sheathing, material and thickness ...				
Thickness of Plating abreast Deck openings in way of Bridge .....					<b>Bridge Deck.</b>				
Thickness of Plating within line of openings...	7	34			Stringer Plate, breadth and thickness.....				
If Sheathed, material and thickness .....					Plating, Sheathing, material and thickness ...				
<b>Second Deck.</b>					<b>Forecastle Deck.</b>				
Stringer Plate, breadth and thickness in Wells...	75 1/2	38			Stringer Plate, breadth and thickness.....	35	36		
					Plating, Sheathing, material and thickness ...	34	55	with 3 1/2 sheathing	

## SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.				EDGES.				
	AMIDSHIPS.		FORWARD.	AFT.	State if joggled?			BUTTS.	
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.	SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	STRAPPED OR LAPPED.
						Diam. Inches.	Spacing cr. to cr. Inches.		
FLAT PLATE KEEL .....	57	77	69	69	double	7/8	3 1/2"	4	lapped
„ DBLG. (if any)									
BOTTOM PLATING, No. of Strakes .....	4	59	59	49				3	7/8 3 1/2
BILGE PLATING, No. of Strakes .....		59	46	46				3	
SIDE PLATING, No. of Strakes .....		59	46	46				3	
UPPER DECK, Sheer-strake in Wells.....	50	67	50	50				4	3 1/2
UPPER DECK, Sheer-strake in Bridge ...									3 1/2
STRAKE BELOW Sheer-strake in Wells.....		63	46	46				4	3 1/2
STRAKE BELOW Sheer-strake in Bridge ...									
POOP SIDE PLATING .....									
BRIDGE SIDE PLATING ...									
FORECASTLE SIDE PLATING				42	single	3/4	3"	2	3/4 2 5/8

## WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel—</b>	six
Extending to Upper Deck (Sec. 3 c) .....	one (collision only)
„ Deck next below .....	five
As per Rule .....	as above.

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKHEAD, Upper tween decks</b>					
„ „ Second „					
„ „ Third „					
„ „ Holds	63 Bkd.	26-38	11-3 1/2	61	30"
<b>COLLISION</b> „ (in Hold) .....		48-29	10-3 1/2	45	24
<b>AFTER PEAK</b> „ „ .....		30-46	8-3	50	30"

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar .....</b>				
<b>STEM .....</b>	Polled Steel	9 1/2 x 2 3/8	Lanarkshire Stl. Co.	
<b>STERN FRAME</b>	Propeller Post .....	Forged Steel	10 1/2 x 7 3/8	Milton Eng. Co.
	Rudder „ .....	Steel	9 x 7 3/8	
<b>RUDDER—A x D.....</b>		48 1/4 x 9		
<b>Speed of Vessel.....</b>		10 1/2		
<b>RUDDER</b> mainpiece at head ..	Forged	10"	Milton Eng. Co.	
„ „ heel ..		7 1/2		
„ how constructed .....		Arms shrunk & keyed		
„ double or single plate coupling, vertical or horizontal.....	Single	1-08"		

<b>STEEL.</b>	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	Cargo Fleet, 5 Durham
	Dorman Long, Pease & Partners, Bolton & Partners, Consett.	
	open hearted process	
	Has the Steel been tested as required by the Rules?	Yes.







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	39.3.26, with pin	40.0.14,	K.H. Stumldorf	17.12.25
	2nd "	40.0.5,	" "	40.0.21	" " 27.7.26
	3rd "	33.2.10	" "	33.2.24	" " 11.12.23

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 30.5 ft. *on superstructure*  
(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 (stl) + superstructure dk (stl)

Official No. 149899; Signal Letters \_\_\_\_\_ Is bottom of Vessel coated with cement yes if not give particulars of composition \_\_\_\_\_

PARTICULARS OF WATER BALLAST.—					
Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Cap. Tons.
Double bottom, aft,	126.6	362	Fore peak tank,		110
Double bottom, under Engines and Boilers,	46.5	214	After peak tank,		166
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	179.9	623	Other tanks, if fitted,		
	Total capacity of double bottom	1199	(If necessary, furnish further information by sketch.)		
*The wells are not to be included in the lengths of the tanks.					
383.0					

Order for Special Survey No. 5199

Date 26.3.27

Dates of Surveys held while building { 1927. JAN. 10. 14. 25. 31. FEB. 2. 9. 16. 23. MAR. 2. 4. 7. 9. 11. 15. 28. APRIL. 5. 21. 27. 28. MAY. 2. 5. 17. 20. 23. 27. 31. JUNE. 7. 28. 30. JULY. 5. 12. 13. 15. 20. 21. 26. 27. 28. AUG. 3. 4. 5. 8. 11. 22. 26. 29. SEPT. 2. 6. 7. 9. 13. 14. 19.

Total No. of Visits 53

