

23 AUG 1930
27 AUG 1930

Rpt. 1.

STEEL STEAMER or MOTORSHIP.

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

Port of *Liverpool*

No. *97487*

Survey held at *Birkenhead*

Date First Survey *1st December 1929*

Last Survey *31st July*

1930

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

Twin Screw Steam Steamer "CLAUGHTON"

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

Full Scantling

State Type of Erections

TONNAGE under Tonnage Deck

484.46

CLASS *100 A.1. Ferry purposes River service*

State if with freeboard as condition of Class

yes

Built at *Birkenhead*

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 *150.00*

Breadth (greatest moulded)

B *40.91*

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

D *11.75*

Total

484.46

Gross Tonnage

486.99

Register Tonnage

179.34

1st Longitudinal Number (L x D)

1762.5

2nd Numeral L x (B + D)

7899

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

10.58

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

12.76

Do. Long Bridge to top of keel

Draught Moulded

7.42

Managers

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

Residence *Birkenhead*

Port of Registry *Liverpool*

If surveyed while building, afloat, or in dry dock

yes

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	<i>24</i>		Bracket Floors, Frame		
" " from $\frac{3}{4}$ length to Collision bulkhead	<i>"</i>		" " Reversed Frame		
" " in peaks	<i>"</i>		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, <i>Bottom</i> $3\frac{1}{2}$ 3 $.30$	<i>4\frac{1}{2} 3 $.34$</i>	<i>4x3x.32</i>	" " top Angles		
" " Extends up to <i>Upper Dk</i>	<i>2\frac{1}{2} $2\frac{1}{2}$ $.30$</i>		" " bottom Angles		
Reversed Frame Amidships, Angle	<i>Across Floors</i>		Side Girders, No. each side and thickness		
" " Extends up to	<i>4\frac{1}{2}</i>		Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder	<i>4\frac{1}{2}</i>		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	<i>✓</i>		" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem		
" " Second 'tween Decks, Angle, [or]	<i>✓</i>		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem		
" " Third " " "	<i>✓</i>		" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem		
Framing in Peaks, Angle <i>EF</i>	<i>4</i> 3 $.30$	<i>+ .04</i>	Tank Side Brackets, height above base line at toe of Frame and thickness		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>3/4</i> <i>48x5/4</i>		INNER BOTTOM PLATING.		
State if Frame Joggled	<i>yes</i>		Breadth and thickness of Middle Line Strake		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>Side Stringer Flat</i>		Thickness of remainder in Holds		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>✓</i>		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?		
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	<i>ES. 40</i> <i>14</i> $.30$ <i>B.S. 45</i>		Uppermost Continuous Deck, amidships in <i>Well</i> , Angle, <i>EF</i>	<i>5x3x.36 Angle @ 24" spacing</i> <i>6x3x.34 B.A. @ 48"</i>	
Height of Brackets at side above base line at toe of frame	<i>✓</i>		" " in way of Bridge, Angle, [or]		
Middle Line Keelson, on Floors, Angles, <i>EF</i> <i>Bottom</i>	<i>3x3x.30</i> <i>B.S. 40</i> <i>.34/</i> <i>B.S. 44</i>		Spacing		
" " Through Plate <i>EF</i>	<i>12x</i> <i>1/24</i> <i>B.S. 40</i>		Second Deck, amidships, Angle, <i>EF</i>	<i>4</i> 3 $.30$	<i>4x2 1/2 x .30</i>
" " Foundation Plate on Floors	<i>12x</i> <i>1/24</i> <i>B.S. 40</i>		Spacing	<i>48"</i>	
" " Flat Plate Keel Angles <i>Double</i>	<i>4</i> 3 $.30$	<i>3x3x.30</i>	Third Deck, amidships, Angle, [or]		
Side Keelsons, No. each side	<i>One</i>		Spacing		
" " thickness of Intercostal Plate	<i>24</i> <i>B.S. 34</i> <i>5x3x.40 B.S. 50.</i>		Fourth Deck, amidships, Angle, [or]		
" " Angles <i>Bottom</i>	<i>3x2 1/2 x .25.</i> <i>3x3x.40 E.S.</i>		Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, [or]		
Solid Floors, thickness and spacing	<i>✓</i>		Spacing		
" " Are Frame and Reversed Frame joggled?	<i>✓</i>		Bridge Deck, Angle, [or]		
Bracket Floors, breadth and thickness at middle line	<i>✓</i>		Spacing		
" " breadth and thickness at margin plate	<i>✓</i>		Forecastle Deck, Angle, [or]		
			Spacing		

PIILARS 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.....	one		Lie B. Plates	.24	
" Upper & Prom. Deck			Stringer Plate, breadth and thickness in way of Bridge		
" in Tween Decks, Size and Spacing.....	2 1/4 to suit Accomn.		Thickness of Plating abreast Deck openings in way of Wells	6 x 3 x .30	
" " " " "			Thickness of Plating abreast Deck openings in way of Bridge	✓	
" in Holds " "	2 7/8 - 48		Thickness of Plating within line of openings...	✓	
" " " " "			If Sheathed, material and thickness	Leak... 5 x 2 1/2	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....	4 x 3 x .30 - 24		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of	3/16		If Plated, state thickness.....	✓	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Walls	3 1/4 x 40		If Plated, state thickness	✓	
" " " " in way of Bridge	✓		Poop Deck.		
" Angle in Wells	4 1/4 3 1/4		Stringer Plate, breadth and thickness	✓	
Thickness of Plating abreast Deck openings in way of Wells	.25		Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings in way of Bridge	✓		Bridge Deck.		
Thickness of Plating within line of openings...	✓		Stringer Plate, breadth and thickness.....	✓	
If Sheathed, material and thickness	5 x 3 Teak or fir raft sheathed with 10x1 1/2 Teak free length of 96 feet.		Plating, Sheathing, material and thickness ...	✓	
Prom Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Walls...	12 .20		Stringer Plate, breadth and thickness.....	✓	
			Plating, Sheathing, material and thickness ...	✓	

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.		
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	37	.46	.44	.50		Double	3/4	3	3R-2R	3/4	2 7/8	Lapped	
“ DBLG. (if any)													
BOTTOM PLATING, No. of Strakes ... 3	A 6 3/4 B 5 7/4 C 5 7/4	.32	.30	.30		Single	"	"	2R	"	"	"	
BILGE PLATING, No. of Strakes ... 1	6 2 3/4	.32	.30	.30		"	"	"	2R	"	"	"	
SIDE PLATING, No. of Strakes ... 2	E 4 1 F 4 1	.32	.30	.30		"	"	"	2R	"	"	"	
UPPER DECK, Sheer-strake in Wells.....	G 4 1/2	.45	.32	.34		Double	"	"	3R-2R	"	"	"	
UPPER DECK, Sheer-strake in Bridge ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
STRAKE BELOW Sheer-strake in Wells.....	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
STRAKE BELOW Sheer-strake in Bridge ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
POOP SIDE PLATING	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
BRIDGE SIDE PLATING ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
FOREC'TLE SIDE PLATING	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		STIFFENERS.		Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
Extending to Upper Deck (Sec. 3 c)	Deck next below	VERTICAL.	HORIZONTAL.				
As per Rule		Scantlings, Spacing.	Scantlings, Spacing.				
MIDSHIP BULKHD, Upper tween decks	FR. 9	34/30	5x3x.36 7x3x.34 BA 6 1/2 x 3x.40 = 30				
" " Second	FR. 31	36/30	5 1/2 x 3x.30 7x3 1/2 x.40 = 30 5 1/2 x 3x.32				
" " Third	FR. 50	34/24	7x3 1/2 x.40 BA 5x3x.52 = 30				
" " Hold	FR. 61	34/24	5x3x.34 3x3x.25 = 24/32				
COLLISION	(in Hold) FR. 67	34/24	5x3x.30 3x3x.25 = 24				
AFTER PEAK	FR. 5	34/30	5 1/2 x 3x.30 BA 5x3x.36 = 24				

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *S. M. open hearth.*
Baldwins Rd.; Fordingham Iron Steel Co.; Downman Long Co. Ltd.; Pense & Partners; Consett Iron Co.
Round Oak Steel Works.

Has the Steel been tested as required by the Rules?

yes.

[illegible]

Steering Gear, Steam *John Harvie No. 2d.*

Boats *One*

Ceiling in Holds, thickness and material *✓*

Cargo Hatchways.—(Upper Deck) *✓*

Size of No. 1 Hatchway (Forward) *✓* No. 2 *✓* No. 3 *✓* No. 4 *✓* No. 5 *✓* No. 6 *✓*

Number of Shifting Beams and/or Fore and Afters *✓*

Steering Gear, Hand *Liller's relieving tackle.*

Steering Chains, Size and Test *13/16" shot link chain; 7-18-00*

Cargo Battens, thickness, material and spacing *✓*

Thickness of Hatches *✓*

GAMMELL LAIRD AND COMPANY LIMITED.

Builder's Signature *J. W. Laird*

The amount of Entry Fee £ 3 : 0 : 0 } Fees applied for,
Special Survey Fee.... £ 48 : 14 : 0 } 21 AUG 1930
Travelling Expenses, if any, £ 2 : 10 : 0 } Received by me,
2-9-30
State whether the Vessel has been built under Special Survey Yes
Certificate to be sent to H.M. S. Liverpool Date of issue 3/9/30
Signature E. H. Dean
Surveyor to Lloyd's Register of Shipping.

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.)

This vessel is sister to the T.S.S. *Hinderton* L.R. report no 89497, also to the S.S. *Thurston* L.R. report no. 97394.

Plan of *Imperial* Section (as built) is forwarded herewith. One *forepeak* report (Stemframe + Rudder mainframe) is forwarded herewith.

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

1st Bower
2nd "
3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle ☒ ft. (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 DECK (pt. stl. & tank S.)

Official No. *1242*; Signal Letters *1242*
particulars of composition

Is bottom of Vessel coated with cement *yes.* if not give

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fore peak tank,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, under Engines and Boilers,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	After peak tank,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, if under Engines only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, aft,	8'-0"	54.5
Double bottom, if under Boilers only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, forward,	12'-0"	34.5
Double bottom, forward,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Other tanks, if fitted,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Total capacity of double bottom		<input checked="" type="checkbox"/>	(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. *1242*

Date *19th Dec. 1929*

Dates of Surveys held while building

Dec: 4. 12. 20. Jan: 3. 14. 17. 22. 29. 31. Feb: 5. 12. 17. 21. 24. 27
Mar: 12. 13. 17. 20. 27. Apr: 3. 8. 9. 15. 30. May: 5. 7. 8. 9. 12. 13. 15. 16. 31. 30
June 6. 12. 19. 26. 30. July 3. 22. 28. 29. 31

Total No. of Visits *45*