

STEEL STEAMER or ~~MOTORSHIP~~

15 AUG 1936

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

3rd August. 1936.

Port of **GREENOCK**

No. 2020H

Survey held at **PORT GLASGOW**

Date First Survey

10th OCTOBER 1935

Last Survey 29th JULY 1936

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

**SINGLE SCREW STEAMER "TREWELLARD"**

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

**COMPLETE SUPERSTRUCTURE WITH TONNAGE OPENINGS**State Type of Erections **FORECASTLE ON UPPER DECK**TONNAGE under Tonnage Deck... **4644.27**CLASS **+100 A.I.**  
WITH FREEBOARDState if with freeboard as condition of Class **YES**Built at **PORT GLASGOW**

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 425**Launched **JUNE 16th 1936** Yard No. **883**

Total

Breadth (greatest moulded) **B 56**Builders **LITHGOWS LTD**Gross Tonnage **5200.74**Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) **D 35.75**  
TO UPPER DECK **36.75**Owners **THE HAIN STEAMSHIP CO LTD**Net Tonnage **3076.13**1st Longitudinal Number (L x D) **= 15193.75**Managers **✓**

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

36 ST. MARY'S AVE

Residence **LONDON, E.C.3**

REGISTERED DIMENSIONS. FEET.

Length **432.3**Framing Depth "d." at middle of length. See Sec. 3 (1d) **23.75**Breadth **56.25**Proportions—Depth to Length—Uppermost continuous deck to top of keel **11.56**Depth **24.85**Do. Long Bridge to top of keel **✓**Draught Moulded **24.7 1/4**Port of Registry **LONDON**

If surveyed while building, afloat, or in dry dock

**BUILDING, AFLOAT & 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.
<b>FRAMES, Spacing amidships</b> .....	31	✓	<b>Bracket Floors, Frame</b> .....	B.A. 6 3/2 .42	✓
" " from 3/8 length to Collision bulkhead.....	27	✓	" " Reversed Frame .....	B.A. 5 1/2 3 .42	✓
" " in peaks.....	24	✓	" " Vertical Struts .....	B.A. 5 1/2 3 .42	✓
<b>FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	48 x .49 .43	✓
<b>Frame Amidships, Angle, E or F</b> .....	12 3/2 .55	✓	" " top Angles .....	3 1/2 3 1/2 .48	✓
" " Extends up to .....	2nd DECK	✓	" " bottom Angles .....	4 4 .54	✓
<b>Reversed Frame Amidships, Angle</b> .....	B.A. FRAMING	✓	<b>Side Girders, No. each side and thickness</b> .....	ONE @ .38	✓
" " Extends up to .....			<b>Margin Plate</b> depth (excl. of flange) and thickness .....	44 1/2 x .54	App° 40 1/2
<b>Depth of Framing Girder</b> .....	12"	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem .....	T.BAR 6 1/2 x 6 1/2 x .54	App° 6 1/2 x 6 1/2 x 44 T.BAR.
<b>Frames in Uppermost Continuous 'tween Decks, Angle, E or F</b> .....	6 3/2 .35	✓	" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem .....	Do	Do
" " <b>Second 'tween Decks, Angle, E or F</b> .....	4 1/2 EVERY FRAME.	✓	" " Gussets, spacing and scantling abaft 1/4 len. from stem .....	.42 CONTINUOUS	FITTED WITH 4 x 3 1/2 x .42 BACK BARS.
" " <b>Third " " " "</b> .....			" " Gussets, spacing and scantling forward 1/4 len. from stem .....	.42 CONTINUOUS	
<b>Framing in Peaks, Angle or F</b> .....	7 1/2 3 .36	✓	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	75 x .44	✓
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b> .....	6 1/2 DIA IN SIDE FRAMES 7/8 DIA 7/8 DIA IN BOTTOM FRAMES	✓	<b>INNER BOTTOM PLATING.</b>		
<b>State if Frame Joggled</b> .....	YES.	✓	Breadth and thickness of Middle Line Strake .....	79 x .50	✓
<b>STRENGTHENING ARRANGEMENTS (Sec. 7), state system and particulars</b> .....	DEEP FRAMING, 3 SIDE STRINGERS, INCREASED SHELL RIVETING, NO SHELL CONNECTIONS ON STRINGERS ABAFT COLL. BND, INCREASED SHELL RIVETING, EXTRA INTERCOSTALS, & AS APPROVED	AS APPROVED	Thickness of remainder in Holds .....	.44	✓
<b>STRENGTHENING OF BOTTOM FORWARD. State Particulars</b> .....			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. ALSO 10% INCREASE OVER BOILER ROOM SCANTLINGS.	✓
<b>SINGLE BOTTOM.</b>			<b>BEAMS.</b>		
<b>Floors, Depth and thickness at mid-line in Holds</b> .....			<b>Uppermost Continuous Deck, amidships in Welle, Angle, E or F</b> .....	9 3/2 .49	✓
Height of Brackets at side above base line at toe of frame .....			" " in way of Bridge, Angle, E or F .....		✓
<b>Middle Line Keelson, on Floors, Angles, E or F</b> .....			Spacing .....	31"	✓
" " Through Plate or Intercostal Plate .....			<b>Second Deck, amidships, Angle, E or F</b> .....	11 1/2 3 1/2 .53	✓
" " Foundation Plate on Floors .....			Spacing .....	31"	✓
" " Flat Plate Keel Angles .....			<b>Third Deck, amidships, Angle, E or F</b> .....		✓
<b>Side Keelsons, No. each side</b> .....			Spacing .....		✓
" " thickness of Intercostal Plate .....			<b>Fourth Deck, amidships, Angle, E or F</b> .....		✓
" " Angles .....			Spacing .....		✓
<b>DOUBLE BOTTOM.</b>			<b>Peep Deck, Angle, E or F</b> .....		✓
<b>Solid Floors, thickness and spacing</b> .....	.42 EVERY 3rd FRAME	✓	Spacing .....		✓
" " Are Frame and Reversed Frame joggled? .....	YES	✓	<b>Bridge Deck, Angle, E or F</b> .....		✓
<b>Bracket Floors, breadth and thickness at middle line</b> .....	32 1/4 x .42	✓	Spacing .....		✓
" " breadth and thickness at margin plate .....	32 1/4 x .42	✓	<b>Forecastle Deck, Angle, E or F</b> .....	6 1/2 3 .36	✓
			Spacing .....	27 1/2 x 24	✓

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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.
<b>PILLARS, No. of Rows.....</b>	CENTRE LINE BULKHEAD WITH		Stringer Plate, breadth and thickness in way of Bridge .....	
„ in 'tween Decks, Size and Spacing ....	REINFORCED HATCH SIDE		Thickness of Plating abreast Deck openings in way of Walls .....	41-35 App <sup>d</sup> . 36-30
„ „ „ „ „	GIRDERS & HATCH END BEAMS		Thickness of Plating abreast Deck openings in way of Bridge .....	
„ in Holds „ „	EXTRA GIRDER UNDER UPPER DECK EXTENDING IN WAY OF ENGINE & BOILER SPACE FITTED BY OWNERS REQUEST.		Thickness of Plating within line of openings...	39-35 App <sup>d</sup> . 34-30
„ „ „ „			If Sheathed, material and thickness .....	NOT SHEATHED
<b>Centre Line Bulkhead.</b>	10 x 3 1/2 x 54 BA TO		<b>Third Deck.</b>	
Stiffeners and Spacing.....	11 x 3 3/4 x 58 BA SPACED 62" APART.		Stringer Plate, breadth and thickness.....	
Plating, thickness of .....	30		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	66 x .65 - .47	App <sup>d</sup> . 66 x .60 - .42	If Plated, state thickness .....	
„ „ „ „ in way of Bridge			<b>Poop Deck.</b>	
„ Angle in Wells .....	6 6 .60		Stringer Plate, breadth and thickness .....	
Thickness of Plating abreast Deck openings in way of Walls .....	60 - .50	App <sup>d</sup> . 55 - .45	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...	45 - .43	App <sup>d</sup> . 40 - .38	Stringer Plate, breadth and thickness.....	
If Sheathed, material and thickness .....	NOT SHEATHED EXCEPT OVER ACCOMMODATION AFT. 5 x 2 1/2" PP.		Plating, Sheathing, material and thickness .....	
<b>Second Deck.</b>			<b>Forecastle Deck.</b>	
Stringer Plate, breadth and thickness in Wells...	72 x .45	App <sup>d</sup> . 72 x .40	Stringer Plate, breadth and thickness.....	35 x .41 App <sup>d</sup> . 36
			Plating, Sheathing, material and thickness .....	PLATING .37 App <sup>d</sup> . 32. NOT SHEATHED

## SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <i>No.</i>			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 .....	52	.78	.68	.68	✓	2R.	7/8	3 3/8	4R-3R. ✓	1"	3 1/2	LAPPED	
" DBLG. (if any)	Bottom PLATING OF 3 STRAKES FROM 1/2 LEN FWD TO COLLISION BULKHEAD .66 THICK ✓												
BOTTOM PLATING, No. of Strakes .....	FOUR.	.60	.50	.50	✓	2R	7/8	3 3/4	3R ✓	7/8	3 1/8	LAPPED	
BILGE PLATING, No. of Strakes .....	ONE	.60	.50	.50	✓	2R	"	"	3R ✓	"	"	"	
SIDE PLATING, No. of Strakes .....	FOUR.	.60	.46	.46	✓	2R	"	"	3R. ✓	"	"	"	
UPPER DECK, Sheer-strake in Wells .....	58	.69	.46	.46	APPR. 3/8 ✓	2R	"	"	4R-3R ✓	"	3 1/2" 3 1/8	"	
UPPER DECK, Sheer-strake in Bridge ...													
STRAKE BELOW Sheer-strake in Wells .....	58	.64	.46	.46	APPR. 1/4 ✓	2R	"	"	3R AND WELDED FOR 1/2 LENGTH. ✓	7/8	3 1/8	"	
STRAKE BELOW Sheer-strake in Bridge ...													
POOP SIDE PLATING .....	SHELL PLATING IN WAY OF PANTING STRINGERS .58 IN LIEU OF NO SHELL CONNECTION.												
BRIDGE SIDE PLATING ...													
FORE'C'TLE SIDE PLATING			.40		✓	1R	3/4	3"	1R ✓	3/4	2 5/8	LAPPED	

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	7
Extending to Upper Deck (Sec. 3 c)	1
„ Deck next below	6
As per Rule	7

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> .....		<b>FLAT PLATE KEEL</b>		
<b>STEM</b> .....	Rolled	10" 2 1/2"		
<b>STERN FRAME</b> {	Propeller Post .....	STEEL 13" 10 3/4"	THE STEEL COMPANY	RULE 10 1/2" x 8" (STREAMLINED).
	Rudder .....	CASTING, 15" 23 1/2" x 10"	SCOTLAND	
<b>Speed of Vessel</b> .....		10 1/2" KNOTS.		
<b>RUDDER—Type</b> .....		DOUBLE PLATE STREAMLINED.		
" A x D .....		616	as ordered See letter	
" Diam. of head .....	FORGING		BURMEISTERS & WAIN COPENHAGEN.	
" Mainpiece at top pintle .....	STEEL CASTING	10 1/2" x 10"	STROMMENS VERSTER STROMMENS.	
" " heel ...		6 x 10		
" how constructed .....		COMPLETE CAST STEEL FRAME		
" double or single plate .....		WITH DOUBLE PLATES 46" THICK.		
" coupling, vertical or .....		HORIZONTAL COUPLING.		
" horizontal .....				

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks						
"	"	Second	"			
"	"	Third	"			
"	"	Holds ..... 95	39-26 12, 3/4 x 50 BA	30"	✓	
COLLISION		"	(in Hold) ..... 54-26 10, 3/4 x 48 BA	24"	Two SEMI-BOX BEAMS. 4 W.T. FLAT	
AFTER PEAK		"	" ..... 48-30 6 x 3 x 38 BA	21"	Two SEMI-BOX BEAMS. 4 RECESS TAB	

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) (OPEN HEARTH)  
COLVILLES LTD, THE STEEL CO OF SCOTLAND, CONSETT.

Has the Steel been tested as required by the Rules? YES



EQUIPMENT No 40052.75										LETTER at	ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.			
35721	1st Bower ...	68	2	7	Stockless			53	1	3	14	68	BYERS IMPROVED PER W. L. BYERS & CO. LTD. SUNDERLAND 14/3/36 J.H. BUTLER
35715	2nd „ ...	68	1	21	✓	—	—	52	18	3	0	68	„ „ „ „ 12/2/36 „
35713	3rd „ ...	58	3	0	✓	—	—	47	12	2	0	58 1/2	„ „ „ „ 11/2/36 „
	Collective weight.	195	3	0								194 1/2	
48080	Stream .....	19	0	21	4	3	21	20	1	3	14	19	ORD Fg. WROT IRON NOT STATED. CRADLEY HEATH 5/2/36 W.Y. NORMAN.

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.	Statury.	Break-ing.	Supplied.		Per Rule.		Length.	Diam.					Length.	Cir.		Length.	Cir.	Length.	Cir.
36481	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.	STUD LINK	NOT STATED	CARDIFF 30/36	L. WRIGHT	Fathoms.	Ins.	Tons.	Fathoms.	Ins.		
	270	2 5/16	96 1/4	134 3/4	723.1.21	720.3.0	270	2 5/16	120	4 3/4											
															TOWLINE...		130	5	70.9	120	4 3/4
															HAWSERS & WARPS		2090	3	25.7	2090	2 3/4
Iron Stream Chain Steel Wire	90	5							90	5					40100	2 3/4	21.1	2090	2 1/2		

Steering Gear, Steam By DONKINS L<sup>TD</sup>. NEWCASTLE Steering Gear, Hand FITTED AFT ON TOP OF DECK HOUSE AFT  
Boats 2: 22' LIFEBOATS } Steering Chains, Size and Test STEERING GEAR AFT. TELE MOTOR CONTROL. Windlass STEAM By EMERSON, WALKER.  
Ceiling in Holds, thickness and material 2 1/2" W.P. UNDER HATCHES ONLY. Cargo Battens, thickness, material and spacing 6" 2" W.P. SPACED 8" APART  
Cargo Hatchways.—(Upper Deck) COAMINGS 4 1/2" HIG. H. FITTED WITH T. B. PATENT WEBB Thickness of Hatches 3" SOLID W. PINE.  
Size of No. 1 Hatchway (Forward) 31' 6" x 20' No. 2 31' x 20' No. 3 Coal: 12' 11" x 20' No. 4 31' x 20' No. 5 31' x 20' No. 6 ✓  
Number of Shifting Beams and/or Fore and Afters Nos. 1, 2, 4 + 5 = 5 WEBS: No. 3 CARGO HATCH = ONE: No. 3 COAL HATCH = TWO.

Builder's Signature

RA LITTONS LIMITED

*[Signature]*

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel No.  
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo ✓ The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel has been built in accordance with the approved plans & in general conformity with the Society's rules for the class contemplated.

The materials & workmanship are of good quality.

All the double bottom tanks & fore & after peak tanks have been tested as required by the rules & found satisfactory.

The weather decks & watertight bulkheads & tunnel were hose tested & found satisfactory.

The freeboard has been verified & the marks cut in on the vessel's sides.

Classification certificates are required in duplicate.

The amount of Entry Fee ..... £ 9 : 0 : 0  
L.R. 9.  
Special Survey Fee.... £ 330 : 0 : 0  
FREEBOARD 16 : 0 : 0  
Travelling Expenses, if any £ : :  
Fees applied for, 3<sup>RD</sup> AUGUST 1936  
Received by me, 12.8.1936

(Special notations, where part of class, to be stated.)

I am of opinion the Vessel should be Classed **+100.A1.**  
WITH FREEBOARD

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

Signature

*[Signature: Kenneth Inglis]*

Surveyor to Lloyd's Register of Shipping.

In Duplicate Certificate to be sent to GREENOCK OFFICE Date of issue 13/8/36

Committee's Minute GLASGOW 4 = AUG 1936

Character assigned **+ 100 A1.**

With freeboard

7.36

Lloyds At CP

+ L.M.C. 7.36 To

Exhaust Turbine driving steam compressor.



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Lloyd's Register Foundation

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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 a sister vessel of the S. S. Tregenthen Messrs Littlewoods Ltd 1884 now building.

The approved plans, plans of vessel as built, & fitting reports as per attached sheet are herewith forwarded.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. CRUISER STERN; D.F;

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	WEIGHT & PINS.	
	1st Bower	44-1-21 : J.D. : 989 : 31/1/36.
	2nd "	44-0-21 : J.D. : 987 : 31/1/36.
	3rd "	37-2-21 : J.D. : 990 : 31/1/36.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle <sup>ON SHELTER DK.</sup> 34' 4" ft.  
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

No. and Material of Decks 1 DK AND SHELTER DK

Official No. 164,680. Signal Letters \_\_\_\_\_ Is bottom of vessel coated with cement YES. if not give particulars of composition ☒

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.		Water Capacity.	Where Fitted.	*Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	131' 9"	500		Fore peak tank,		110	
Double bottom, under Engines and Boilers,				After peak tank,		177	
Double bottom, if under Engines only,	28' 6"	152		Deep tank, aft,			
Double bottom, if under Boilers only, <u>DRY TANK. W.T. Comp.</u>	15' 6"			Deep tank, forward,			
Double bottom, forward,	194' 0"	869		Other tanks, if fitted,			
	Total capacity of double bottom	1521		(If necessary, furnish further information by sketch.)			

\* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 3341.

Date 28<sup>th</sup> October 1935

Dates of Surveys held while building

(1935) Oct. 10. 30. Nov. 1. 11. 18. 20. 24. 28. Dec. 3. 10. 12. 13. 14. 19. 23. 24. 29. 30. (1936) Jan. 10. 13. 16. 22. 30. 31. Feb. 3. 5. 4. 13. 14. 17. 18. 20. 24. 25. Mar. 3. 4. 10. 12. 14. 18. 23. 31. Apr. 3. 4. 9. 14. 15. 20. 21. 23. 28. 29. May 5. 11. 13. 15. 18. 19. 22. 28. 29. June 1. 4. 9. 10. 11. 12. 13. 15. 16. 22. 26. July 13. 15. 22. 24. 27. 29.

Total No. of Visits 48.