

STEEL STEAMER or MOTORSHIP.

Received at London Office 16 JUL 1936

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

Survey held at

On the (State if Machinery fitted Aft and

State Type (Full scantling, Complete Superstructure with or without Tonnage Opening)

TONNAGE under Tonnage Deck

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

Total

Gross Tonnage

Register Tonnage

REGISTERED DIMENSIONS.

Length

Breadth

Depth

5 July 1936

Port of

Date First Survey

Last Survey

S.S. ST. HELENA

Single Screw

No. 31859

1936

Complete Superstructure with Tonnage Opening State Type of Erections C.S.S.

CLASS +100 A1

State if with freeboard as condition of Class

Built at Sunderland

Launched 8 April 1936 Yard No. 573

Builders Messrs J.L. Thompson & Sons Ltd.

Owners St. Quentin Shipping Co.

Managers

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

Residence

Port of Registry NEWPORT.

If surveyed while building, afloat, or 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	30		Bracket Floors, Frame		
" " from $\frac{3}{8}$ length to Collision bulkhead	27		" " Reversed Frame		
" " in peaks	FP 21 AP 24		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	41 $\frac{1}{2}$ 52	
Frame Amidships, Angle, [or]	12 x 3 $\frac{1}{2}$ x 3 $\frac{1}{2}$ x 48		" " top Angles	3 $\frac{1}{2}$ x 3 $\frac{1}{2}$ x 46	
" " Extends up to	2 nd Deck		" " bottom Angles	4 x 4 x 50	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness		
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	36 50	
Depth of Framing Girder	12		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	6 x 3 $\frac{1}{2}$ x 42	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	7 x 3 $\frac{1}{2}$ x 34 alt.		" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem	6 x 6 x 42	
" " Second 'tween Decks, Angle, [or]			" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	13 40 with 2" R. Continuous	
" " Third " " "	FP 7 3 $\frac{1}{2}$ 38		" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem	13 40 " " "	
Framing in Peaks, Angle, [or]	FP 7 3 38		Tank Side Brackets, height above base line at toe of Frame and thickness	41 $\frac{1}{2}$ 41	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	$\frac{7}{8}$ 54		INNER BOTTOM PLATING.	(53)	
State if Frame Joggled	Yes		Breadth and thickness of Middle Line Strake	53 50	51 $\frac{1}{2}$ aff ^d
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Inclad 3 stringers 35 x 34 Beams 9 x 3 $\frac{1}{2}$ x 44 BA. In Hold side shell thickness 3 face bars 10 x 3 $\frac{1}{2}$ x 44 BA. Frames 12 x 3 $\frac{1}{2}$ x 32 x 59/60 cl. 4 Girders each side Frame battens 3 x 5 x 42 Bottom shell 62 from 1/2 l to collision bulkhead.		Thickness of remainder in Holds	40	
STRENGTHENING OF BOTTOM FORWARD. State Particulars			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.	
SINGLE BOTTOM.			BEAMS, fitted Longitudinally.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, [or]		
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [or]		
Middle Line Keelson, on Floors, Angles, [or]			Spacing		
" " 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. framed Longitudinally			Poop Deck, Angle, [or]		
Solid Floors, thickness and spacing	42 100 ft.		Spacing		
" " Are Frame and Reversed Frame joggled?	Yes.		Bridge Deck, Angle, [or]		
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate			Forecastle Deck, Angle, [or]		
			Spacing		

W1153-0054 1/3

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.....	✓		Stringer Plate, breadth and thickness in way of Bridge <i>Scarp</i>	70½ - 41	
" in 'tween Decks, Size and Spacing.....	✓		Thickness of Plating abreast Deck openings in way of Wells <i>Latches</i>	44	
" " " " " ".....	✓		Thickness of Plating abreast Deck openings in way of Bridge <i>Scarp</i>	34	
" in Holds " " " ".....	✓		Thickness of Plating within line of openings.....	33 - 30	
" " " " " ".....	✓		If Sheathed, material and thickness.....	✓	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....	10 x 3½ x 438A 4 as app'd 5" apart		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of.....	30 (held)		If Plated, state thickness.....	✓	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	6½ - 54 - 42		If Plated, state thickness.....	✓	
" " " " in way of Bridge.....	✓		Poop Deck.		
" Angle in Wells	6 x 6 - 58		Stringer Plate, breadth and thickness.....	✓	
Thickness of Plating abreast Deck openings in way of Wells <i>Latches</i>	49		Plating, Sheathing, material and thickness	✓	
Thickness of Plating abreast Deck openings in way of Bridge <i>Scarp</i>	40		Bridge Deck.		
Thickness of Plating <u>within</u> line of openings.....	38 - 33		Stringer Plate, breadth and thickness.....	✓	
If Sheathed, material and thickness.....	✓		Plating, Sheathing, material and thickness	✓	
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells	70½ - 44 - 34		Stringer Plate, breadth and thickness.....	✓	
			Plating, Sheathing, material and thickness	✓	

[illegible]

Total No. of W.T. BULKHEADS in Vessel—						Casting or Forging. Scantlings. Maker's Name. Any departure from approved plans to be noted.			
Extending to Upper Deck (Sec. 8 c)						KEEL, Bar { <i>cast steel</i> 9" x 2 1/2" <i>Lana & Co. Steel Co.</i>			
" Deck next below						STEM { <i>cast steel</i> 9" x 2 1/2" <i>Boylston & Son</i>			
As per Rule						STERN FRAME { Propeller Post <i>8" x 15" ^{1/2} lap joint</i> { Rudder <i>✓</i> <i>Redburn & Co. Steel Fabricators</i>			
STIFFENERS.						Speed of Vessel 10 1/4 knots			
VERTICAL.						RUDDER—Type			
SCANTLINGS.						" A x D 329			
SPACING.						" Diam. of head 8 1/4"			
SCANTLINGS.						" Mainpiece at top pintle 11 3/4"			
SPACING.						" " heel 8 3/4"			
MIDSHIP BULKHEAD, Upper tween decks ✓						" how constructed <i>all welded, 4 arms.</i>			
" " Second ✓						" double single plate coupling, vertical or horizontal <i>46"</i>			
" " Third ✓						" <i>Horizontal</i>			
" " Holds <i>longer</i> 37-26 10-3 1/2 x 40 B.A. 30" ✓									
COLLISION " (in Hold) 52-32 10-3 1/2 x 45 B.A. 26" <i>d. bk. plate stringer</i>									
AFTER PEAK " 47-30 7-3 x 33 B.A. 24" <i>bulkhead 10 1/2 x 3 1/2" + stringer</i>									
STEEL.						Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) <i>Open Hearth</i> <i>Barnett, South Durham, Loman Long, Skinningrove, Colville, Cargo Fleet.</i>			
Has the Steel been tested as required by the Rules? <i>Yes</i>									

EQUIPMENT No 35992 ✓										LETTER Z		ANCHORS.			
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintend.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.			
35846	1st Bower ...	64	0	0				50	10	0	0	63 ³ / ₄	Bygo Improved Stock	W. L. Bygo	Sld. 17. 4-36 J.H. Butler
35777	2nd " ...	63	3	7				50	10	0	0	63 ³ / ₄	do.	do.	Sld. 12. 3-36 J.H. Butler
35795	3rd " ...	54	3	0				45	4	1	14	54 ¹ / ₂	do.	do.	Sld. 18. 3-36 J.H. Butler
	Collective weight.	182	7	7								182			

16 JUL 1976

FRAMING.			AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.		RIVETS IN BRACKET TO BULKHEADS.	
			In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.	
			Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam.	Spang.	Number.	Diameter.
Framing of L, L or C			✓															
Frames in Bridge 'tween Decks ...			✓															
Frames from Uppermost Continuous Deck No. 1			✓															
" 2			✓															
" 3			✓															
" 4			✓															
" 5			✓															
" 6			✓															
" 7			✓															
" 8			✓															
" 9			✓															
" 10			✓															
" 11			✓															
" 12			✓															
" 13			✓															
" 14			✓															
" 15			✓															
" 16			✓															
Spacing of Longitudinal Frames			✓															
Double Bottoms																		
Tank Top Longitudinals			5 1/2	3	34										3/4	5 1/4	6 rivets each side of bulkhead	
Bottom			6	3 1/2	34										7/8	6 1/8	6 " " " "	
Spacing of Longitudinals			30															
Amidships			30															
At Ends...			30															
Transverses.																		
In Bridge																		
'tween Decks																		
Depth and Thickness			✓															
Face Angles			✓															
Lugs to Shell*			✓															
In Upper 'tween Decks.																		
Depth and Thickness			✓															
Face Angles			✓															
Lugs to Shell*			✓															
In Hold.																		
Depth and Thickness			✓															

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

EQUIPMENT No 35332 ✓											LETTER	Z	ANCHORS.			
Number of Certificate.	Anchor.	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.	Cwts.				
35846	1st Bower ...	64	0	0	/			50	10	0	0	63 3/4	Bygo Improved Stock	W. L. Bygo	Sld.	17. 4. 36 J. H. Butler
35777	2nd „ ...	63	3	7		50	10	0	0	63 3/4	do.	do.	Sld.	12. 3. 36 J. H. Butler		
35795	3rd „ ...	54	3	0		45	4	1	14	54 1/2	do.	do.	Sld.	18. 3. 36 J. H. Butler		
	Collective weight.	182	2	7						182						
49185	Stream	17	2	24	4	2	6	18	16	1	0	17 1/2	Forged wt. iron anchor	✓	Cradley Heath	20. 4. 36 S. F. Paul

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.	Statu-tory.	Break-ing.	Supplied.	Per Rule.			Length.	Diam.					Length.	Ins.		Length.	Ins.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Owts.			Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
88005	270	1 15/16	94 1/2	132 3/10	546.0.0	682 1/4			270	2 1/16	TAYCO	S. Taylor & Son, Tottenham	8.5.36 J.A. Kelly	HAWSERS & WARPS	2090	2 3/4	15.2	2090	2 3/4
						Ordinary Cable													
		Or.								Or.									
Iron Stream Chain or Steel Wire	90	4 3/4		47.0					90	4 3/4									

Steering Gear, Steam John Lynn & Co. Ltd.

Steering Gear, Hand Auxiliary Block & Tackle

Boats 2-270" lifeboats

Steering Chains, Size and Test Telemotor Gear

Windlass Emerson Walker

Ceiling in Holds, thickness and material

2 1/2" W.P. under hatches

Cargo Battens, thickness, material and spacing

6" x 2" W.P. spaced 9"

Cargo Hatchways. (Upper Deck)

Steel plates and angles "Reith" Patent

Thickness of Hatches

2 3/8"

Size of No. 1 Hatchway (Forward)

27'0" x 25'0"

No. 2 25'0" x 25'0"

No. 3 25'0" x 25'0"

No. 4 12'0" x 25'0"

No. 5 16'25" x 25'

No. 6 27'6" x 25'0"

Number of Shifting Beams and for Fore and Afters

1 at No. 4, 4 at remainder of hatches.

FOR JOSEPH L. THOMPSON & SONS, LIMITED.

Builder's Signature

J. L. Thompson. (Manager.)

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

Yes

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo

No.

The positions in which oil is carried as fuel or cargo should

be indicated, together with the flash point.

Fuel oil carried in Nos. 1, 2, 3, 5 & 6 double bottom tanks.

The vessel has been built in accordance with the approved plans, the Secretary's letters, and the Society's Rules.

The material and workmanship are good.

The freeboard marks have been verified and cut in on the vessel's sides.

The double bottom tanks, fore and after peaks, have been tested in accordance with the Rules.

The tunnel, deck, bulkhead, hand pump and watertight door have been tested and found good.

The windlass, and steering gear have been tried under working conditions.

The auxiliary steering gear has been rigged and worked.

The following forging certificates are enclosed :- Sternframe, Rudder, Rudder Arms, Stem Piece, Quadrant and Liller.

The amount of Entry Fee £ 8

Fees applied for,

13 JULY 1936

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

Special Survey Fee.... £290. 13

Sunderland

Travelling Expenses, if any £

Received by me,

17.7.1936

I am of opinion the Vessel should be Classed

+100A1 with freeboard

State whether the Vessel has been built under Special Survey

Yes.

Signature

W.L. Butler

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to SUNDERLAND.

Date of issue

FRI. 24 JUL 1936

Committee's Minute

Character assigned

+100A1

with Free board

Lloyds A.C.C.

Rudder Electrically welded

+Lure 7.36:

Fitted for oil fuel 7.36

7.36 above 150° F.

J.D. C.L.

write N.Y.C.

Bunker



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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.)

Plans as built are in course of preparation and will be forwarded in due course.

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

Longitudinal framing at bottom and decks.
Cruiser Stern.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	37-2-19	J.D.	994	12-2-36
	2nd "	37-0-15	J.D.	970	14-1-36
	3rd "	31-0-5	J.D.	873	25-10-35

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 or Forecastle are joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks 1 Deck (Steel) and Shelter Deck (Steel)

Official No. 162140 ; Signal Letters Is bottom of vessel coated with cement if not give particulars of composition Cement in way of feed tank and in peaks

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	140.0	339	Fore peak tank,	21.0	137.0
Double bottom, under Engines and Boilers,	35.0	142	After peak tank,	18.0	100.0
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	164.0	525	Other tanks, if fitted,		
	Total capacity of double bottom	1006	(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. 5790

Date 4/11/35

Dates of Surveys held while building

1935. Jan. 19, 21, 25, 26. Feb. 13, 17, 23, 30. 1936. Jan. 6, 10, 13, 14, 15, 16, 17, 21, 22, 23, 29, 30. Feb. 3, 5, 6, 10, 11, 13, 14, 17, 18, 19, 20, 21, 25, 26, 27. Mar. 3, 4, 5, 6, 13, 17, 18, 19, 20, 23, 24, 26, 27, 30, 31. Apr. 1, 2, 3, 6, 7, 8, 9, 16, 18, 20, 22, 23, 24, 27, 29, 30. May, 1, 5, 8, 14, 15, 18, 19, 20, 25. June, 5, 12, 18, 23, 26, 29. July, 3, 4, 6, 7, 8, 10, 11.

Total No. of Visits 88