

Rpt. 1.

STEEL STEAMER or MOTORSHIP.

APR - 6 1938

Received at London Office

WRECK
SECTION
852

State if Report has been sent on the Freeboard of the Vessel No

State if Report is sent on the Machinery of the Vessel No

Date of completion of report 5 April 1938

Port of Barrow

No. 12690.852

Survey held at Workington

Date First Survey 24 November, 1929 Last Survey 2 April 1938

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

Steel Single Sc. Motor Ship

"SODALITY"

Machinery Aft

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

Full Scantling

State Type of Erections Ice, Bridge & R.Q. Sk.

TONNAGE under Tonnage Deck

CLASS + 100 A1.

State if with freeboard as condition of Class No

Built at Workington

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 188.16

Launched 2nd April 1928 Yard No. 244

Total

Breadth (greatest moulded)

B 30.00

Builders R. Williamson & Sons

Gross Tonnage

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

D 14.58

Owners Frederick T. Everard & Sons Ltd

Register Tonnage

1st Longitudinal Number (L x D)

= 2743

Managers

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

REGISTERED DIMENSIONS.

OVERALL

length

breadth

depth

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

U.S.K. 11.83 R.Q. Sk. 16.33

Residence

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

12.9

Port of Registry LONDON

Draught Moulded

9.86

If surveyed while building, afloat, or in dry dock

While Building

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	22			✓	Solid	3	3	.32	✓
" " from 1/3 length to Collision bulkhead	22			✓	& Bracket Floors, Frame	3	3	.30	✓
" " in peaks	22			✓	" " Reversed Frame				
DE FRAMING.					" " Vertical Struts				
Frame Amidships, Angle, E or F	U.S.K. 5 1/2 3 .34			✓	Centre Girder, depth and thickness amidships	33	38		✓
" " " " " "	R.Q. Sk. 6 3 .38			✓	" " top Angles Single, double	3	3	.36	✓
" " " " " "	Extends up to upper & R.Q. Decks			✓	" " bottom Angles double	3 1/2	3 1/2	.40	✓
REINFORCED FRAMES. 5 IN WAY UPPER DK 7 x 3 .35, 5 IN WAY R.Q. SK 8 x 3 .40				✓	Side Girders, No. each side and thickness		.30		✓
Reversed Frame Amidships, Angle				✓	Margin Plate depth (excl. of flange) and thickness	33 1/2	32		✓
" " " " " "	Extends up to			✓	" " Vertical Angle to Tank side	3	3	.30	✓
Depth of Framing Girder	5 1/2 x 6			✓	" " Bracket abaft 1/4 len. from stem				
Frames in Uppermost Continuous 'tween Decks, Angle, E or F				✓	" " Vertical Angle to Tank side				
" " Second 'tween Decks, Angle, E or F				✓	" " Bracket forward 1/4 len. from stem				
" " Third " " " "				✓	" " Gussets, spacing and scantling abaft 1/4 len. from stem				
Framing in Peaks, Angle E	5 3 .38			✓	" " Gussets, spacing and scantling forward 1/4 len. from stem				
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 @ 5 1/2			✓	Tank Side Brackets, height above base line at toe of Frame and thickness	4 1/2	30		✓
State if Frame Joggled	No.			✓	INNER BOTTOM PLATING.				
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	Fore Peak Tank Top forward of boll. Bhd. 2 webs in fore peak Tank and 1 Side Stringer in Hold as per Appd. plans. Double frames in bottom forward of 1/2 length. Side Girders as per Appd. plan. Bottom plating & Riveting increased as per Rule			✓	Breadth and thickness of Middle Line Strake	40	34		✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars				✓	Thickness of remainder in Holds		.30		✓
DOUBLE BOTTOM. MACHINERY SPACE.					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		✓
Frames, Depth and thickness at mid-line	16 1/2 x .42			✓	BEAMS.				
" " " " " "				✓	Uppermost Continuous Deck, amidships in Wells, Angle, E or F	6	3	.33	✓
Height of Floor at side above base line at toe of frame	33			✓	" " " " " " in way of Bridge, Angle, E or F				✓
Middle Line Keelson, on Floors, Angle, E or F	5 1/2 x 3 .52			✓	" " " " " " Spacing		22		✓
" " " " " "	.46			✓	R.Q. Sk. Second Deck, amidships, Angle, E or F	6	3	.32	✓
" " " " " "				✓	" " " " " " Spacing		22		✓
" " " " " "				✓	Third Deck, amidships, Angle, E or F				
" " " " " "	3 1/2 3 1/2 .44			✓	" " " " " " Spacing				
" " " " " "				✓	Fourth Deck, amidships, Angle, E or F				
" " " " " "				✓	" " " " " " Spacing				
" " " " " "	.42			✓	Poop Deck, Angle, E or F				
" " " " " "	4 1/2 3 .44			✓	" " " " " " Spacing				
" " " " " "	.34			✓	Bridge Deck, Angle, E or F Long. Beams	3 1/2	3	.34	✓
DOUBLE BOTTOM.					" " " " " " Spacing		29		✓
Solid Floors, thickness and spacing	.30 - 5 to 6 Spaces apart coinciding with reinforced Side frames.			✓	Forecastle Deck, Angle, E or F	6	3	.40	✓
" " " " " "	No.			✓	" " " " " " Spacing		44		✓
Bracket Floors, breadth and thickness at middle line	.30 These floors have 16" clear Space in each bay			✓					
" " " " " "	30 x .30 @ C.G. Side Girders & Margin.			✓					

PILLARS AND DECKS.

[illegible]

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.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.						SINGLE OR DOUBLE.	Diam.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL	42	.46 ✓	.44 ✓	.44 ✓		Double	3/4	6 parts per ft. space	✓ Three	3/4	2 5/8	✓
„ DBLG. (if any) ✓												
BOTTOM PLATING, No. of Strakes THREE.	57/45	.40 ✓	.34 ✓	.34 ✓	Rule .38. amidships ✓	Double	do	do	✓ Three	do	do	✓ do
BILGE PLATING, No. of Strakes ONE.	41	.38 ✓	.34 ✓	.34 ✓		do	do	do	✓ Two	do	do	✓ do
SIDE PLATING, No. of Strakes ONE.	53	.38 ✓	.34 ✓	.34 ✓		Single	do	do	✓ Two	do	do	✓ do
UPPER DECK, Sheer-strake in Wells.....	45	.48 ✓	.34 ✓	.34 ✓	increased at Break & in way of Bridge to .66 ✓	Double	7/8 3/4	5 x 6 pairs per ft. space	✓ Four to Two	7/8 3/4	3 x 2 3/8	✓ do
UPPER DECK, Sheer-strake in Bridge ...	54	.42 ✓	.34 ✓	.34 ✓	increased to .56 at Bridge. ✓	do	do	do.	✓ Three to Two	do	do	✓ do
STRAKE BELOW Sheer-strake in Wells.....	48	.42 ✓	.34 ✓	✓		Single & Double	3/4	6 pairs per ft. space	✓ Three to Two	3/4	2 3/8	✓ do
STRAKE BELOW Sheer-strake in Bridge ...	45	.40 ✓	-	.34 ✓		Single	do	do	✓ Three to Two	do	do	✓ do
POOP SIDE PLATING												
BRIDGE SIDE PLATING56 ✓				Single & Dble	7/8	5 pairs per ft. space	✓			
FOREC'TLE SIDE PLATING			.26			Single	3/4	3"	Two	do	do	✓ do

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— **THREE** ✓
 & R.Q.
 Extending to Upper Deck (Sec. 3 c) **THREE** ✓
 „ Deck next below
 As per Rule **THREE** ✓

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM	<i>Rolled Bar</i>	$6 \times 1\frac{1}{2}$	✓	✓
STERN FRAME {	Propeller Post	<i>Forged</i> $6\frac{1}{4} \times 4$	} <i>T. S. Forster & Sons.</i>	
Rudder ..	<i>Steel</i> 6×4			
Speed of Vessel	<i>10 Knots</i>	✓		
RUDDER—Type	<i>Built</i>	✓		
„ A x D	<i>105</i>	✓		
„ Diam. of head	} <i>Forged</i>	<i>5"</i>	} <i>Emmerson Walker</i>	
„ Mainpiece at top pintle ..		<i>6"</i>		
„ „ heel ..		<i>3$\frac{3}{4}$"</i>		
„ how constructed				
„ double or single plate	<i>Single</i>	<i>.86</i>	✓	
„ coupling, vertical or horizontal	<i>None.</i>		✓	

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks					
" " Second "					
" " Third "					
" " Holds		42/30	57x3x40	30	
COLLISION " (in Hold)		34/30	55½x3x32	24	Peak Flat with Brackets as Appd.
AFTER PEAK " "		38/50	26 L5x3x34	30	Steel Flat

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). *open hearth process.*

Has the Steel been tested as required by the Rules?

yes.



Lloyd's Register
Foundation

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.)

To Complete the Survey the following items remain to be dealt with:—
Engine & Boiler casings to close in & rivet
Main W.T. Bulkhead to hose test
After peak (dry tank) to test - head to L.W.L. & hose test above
Weather decks to hose test
Equipment of anchors & cables & hawsers to be placed on board & verified
Windlass, winches, capstan, steering gear & chains (with test certificates) to be fitted & tested under working conditions
Rudder brake & relieving tackle to fit as per Rules
Ceiling over tank top & cargo battens to be fitted
Ventilator cowls to fit and hand pump forward to test
Engine & Boiler seatings to alter to suit Motor engines
Pillars to fit in Machinery space where practicable
Boats to fit
Freeboard computation - particulars to complete & freeboard to be cut in & verified later
Extra freeing ports to cut in accordance with convention requirements

List of approved plans forwarded with the report

Midship Section
Profile & Deck Plan
Rudder & stern frame
Rudder pintles
Stiffening of Bridge
Strengthening of Bottom forward
After & Collision Bulkheads
Main & Bunker Bulkheads
Pumping Arrangement
Forging Certificates

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

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. 116.1 ft., Bridge 11.1 ft., Forecastle 23.4 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 one deck (stl)

Official No. ☒ ; Signal Letters ☒ Is bottom of vessel coated with cement cement fittets + cement washed if not give particulars of composition Cement in Machinery space

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	18.3	52
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	113.6	190	Other tanks, if fitted,		
	Total capacity of double bottom	190	(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.

Date 29th November, 1929

Dates of Surveys held while building

1929 Nov. 24. 1930 Jan. 9. Feb. 27. Mar. 31. May 8. July 7. Aug. 25. Oct. 23. Nov. 28. 1931 Jan. 22. Apr. 13. July 23. Oct. 28.
1932 Feb. 4. May 17. Oct. 12. 1933 May 14. Nov. 13. Dec. 18. 1934 Feb. 15. July 23. Apr. 2.

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