

Rpt. 1.

22 JUN 1931

WRECK
SECTIONDISCLOSED
SECTION
780WRECK
SECTION
No. 10.641

STEEL STEAMER or MOTORSHIP.

State if Report has been sent on the Freeboard of the Vessel

State if Report is sent on the Machinery of the Vessel

Date of completion of report

20th June 1931

Port of Belfast

Survey held at

Belfast

Date First Survey 23rd January 1931Last Survey 16th June

19 31

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

Twin Screw Steamer

"MARACAY"

Machinery aft.

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

Full scantling carrying petroleum in bulk

State Type of Erections

Poop, Fore castle longitudinal trunk

TONNAGE under Tonnage Deck... 2880.83

CLASS + 100 A1

State if with freeboard as condition of Class

No

Built at Belfast

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 350

Launched 21st May 1931 Yard No. 915

Breadth (greatest moulded)

B 60

Builders Harland & Wolff Ltd

Total

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

D 17.5

Owners Lugo Shipping Coy. Ltd

Gross Tonnage 3793.57

1st Longitudinal Number (L x D) = 6125

Managers A. Wei & Co.

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

Register Tonnage 1842.40

2nd Numeral L x (B + D) = 27125

Residence London

REGISTERED DIMENSIONS.
FEET.

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

15.75

Port of Registry London

Length 350.6

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

13.35

If surveyed while building, afloat, or in dry dock

Breadth 60.25

Draught Moulded 14 ft 1 1/2 ins

While building, afloat + in dry dock.

Depth 16.75

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	24	/	Bracket Floors, Frame	✓	
" " from 3/4 length to Collision bulkhead	24	/	" " Reversed Frame	✓	
" " in peaks	24	/	" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness	36 x .44	Approved 35"
Frame Amidships, Angle E or F	7 3 .40	/	" " top Angles	3 3 .38	✓
" " Extends up to	Upper deck	/	" " bottom Angles	4 4 .50	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	3	Intercostal plates .40
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	✓	
Depth of Framing Girder	7	/	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	✓	
Frames in Uppermost Continuous Deck	8 1/2 3 1/2 .44	✓	" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	✓	
" " Machinery Space	6 1/2 3 .40	✓	" " Gussets, spacing and scantling abaft 1/4 len. from stem	✓	
" " Second Deck	✓		" " Gussets, spacing and scantling forward 1/4 len. from stem	✓	
" " Third	6 3 .48	Approved 6 1/2 x 3 .40	Tank Side Brackets, height above base line at toe of Frame and thickness	✓	
Framing in Peaks, Angle	6 3 .44	✓	INNER BOTTOM PLATING, on floors in machinery space.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 4 1/8	✓	Breadth and thickness of Middle Line Strake	30 x .48	✓
State if Frame Joggled	Abrast		Thickness of remainder	75	under engines.
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Cargo oil tanks only. Web frame + intercostal side stringer + deeper frames in pump room + chain locker. Beams + plate stringer in fore peak. Extra girders frames doubled forward of 3/5 len. (abaft pump room in centre tank only). Shell thickness maintained forward extra riveting.		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Pump and Boiler Room?	Yes	
STRENGTHENING OF BOTTOM FORWARD. State Particulars			BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships	7 1/2 3 .36	✓
Floors, Depth and thickness at mid-line in Holds	21 x .38	✓	" " in Wells, Angle E or F	6 3 .30	✓
Height of Brackets at side above base line at toe of frame	51	✓	" " in way of Bridge, Angle E or F	6 3 .46	✓
Middle Line Keelson, on Floor, Angles	14 x .60	Approved 7 x 3 1/2 x .52	Spacing	24	
" " Through Plate or Intercostal Plate	7 1/2 x .48		Top of Trunk		
" " Foundation Plate on Floors	4 4 .50	/	Second Deck amidships, Angle E or F	7 3 .36	✓
" " Flat Plate Keel Angles	4 4 .50	/	Spacing	24	at webs.
Side Keelsons, No. each side	One	/	Third Deck, amidships, Angle E or F	✓	
" " thickness of Intercostal Plate	.38	/	Spacing		
" " Angle	7 3 .50	✓	Fourth Deck, amidships, Angle E or F	✓	
Single BOTTOM in Engine + Boiler Space			Spacing		
Solid Floors, thickness and spacing	.40 24	✓	Poop Deck, Angle E or F	7 3 .36	✓
" " Are Frame and Reversed Frame joggled?	Frame joggled. Reverse frame not.		Spacing	24	
Bracket Floors, breadth and thickness at middle line	✓		Bridge Deck, Angle E or F	✓	
" " breadth and thickness at margin plate	✓		Spacing		
			Forecastle Deck, Angle E or F	6 3 .34	✓
			Spacing	5 1/2 3 .30	✓

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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.
PILLARS , No. of Rows.....	Two fore + aft bulkheads and widespaced centre line			one row pillars.	Stringer Plate, breadth and thickness in way of Bridge	✓			✓
„ in 'tween Decks, Size and Spacing.....	✓				Thickness of Plating abreast Deck openings in way of Well within line of	70			✓
„ „ „ „ „					Thickness of Plating abreast Deck openings in way of Bridge	40			
„ in Holds „ „	Two on centre line in each tank. JC ✓ Approved				Thickness of Plating within line of openings...	✓			
„ „ „ „ „	11 x .50 x 4 x .60 10 x 4 x 4 x .62				If Sheathed, material and thickness	✓			
7 fore + aft Bulkheads (2) Upper deck, 2 vertical webs + 1 hor. girder in each tank					Trunk side blind deck .	✓			
Stiffeners and Spacing.....	Intermediate stiffeners 6 x 3 x .40 spaced 24"				Stringer Plate, breadth and thickness.....	✓			
Plating, thickness of Below Upper deck .33 .35 .42					If Plated, state thickness.....	58			✓
Above „ „ .38					Fourth Deck.				
STRINGERS AND DECKS.					Stringer Plate, breadth and thickness.....	✓			
Uppermost Continuous Deck.					If Plated, state thickness	✓			
Stringer Plate, breadth and thickness in Well	48			✓	Poop Deck.				
„ „ „ „ in way of Bridge	✓				Stringer Plate, breadth and thickness	48 x 42			✓
„ Angle in Well	5 5 48			✓	Plating, Sheathing, material and thickness ...	70 at break to .30.			Sheathed in accommodation only with Deckfelt
Thickness of Plating abreast Deck openings in way of Well	See plan				Bridge Deck.				
Thickness of Plating abreast Deck openings in way of Bridge	✓				Stringer Plate, breadth and thickness.....	✓			
Thickness of Plating within line of openings...	✓				Plating, Sheathing, material and thickness ..	✓			
If Sheathed, material and thickness	✓				Forecastle Deck.				
Top of Trunk blind deck .					Stringer Plate, breadth and thickness.....	34			✓
Stringer Plate, breadth and thickness in Well	70			✓	Plating, Sheathing, material and thickness ..	32 .40 .50 at break.			✓

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. No			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.			Diam. Inches.	Spacing cr. to cr. Inches.		Diam. Inches.	Spacing cr. to cr. Inches.	
FLAT PLATE KEEL	44	.77	.68	.68	Approved .60 at ends Rule 71 to 55	Dble.	7/8	3 3/4	4	7/8	3 1/2	lapped
„ DBLG. (if any)	✓											
BOTTOM PLATING, No. of Strakes 19 x 0. 4		.52	.51 .50 .48	.50 .50 .44 + .50	Rule 48 to 41	Dble. (2)	3/4	2 2/3	3	3/4	2 5/8	lapped
BILGE PLATING, No. of Strakes 1. 5		.52	.41	.44 + .62	Rule 48 to 41	Dble.	3/4	3	3	3/4	2 7/8	- do -
SIDE PLATING, No. of Strakes 3. 16		.48	.41	.41		Single (2) Dble. to stringer angle. (1)	3/4	3	3	3/4	2 5/8	- do -
UPPER DECK, Sheer- strake in Wells.....	✓											
UPPER DECK, Sheer- strake in Bridge ...	✓											
STRAKE BELOW Sheer- strake in Wells.....	✓											
STRAKE BELOW Sheer- strake in Bridge ...	✓											
POOP SIDE PLATING36		Single	3/4	3	Double + Single	3/4 + 5/8	2 5/8 2 1/4	lapped.
BRIDGE SIDE PLATING ...	✓											
FOREC'TLE SIDE PLATING				.40		Single	3/4	3	Single	5/8	2 1/4	lapped

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

WATERTIGHT BULKHEADS.					
Total No. of W.T. BULKHEADS in Vessel—					
Extending to Upper Deck (Sec. 3 c)		Nine			
" Deck next below		✓			
As per Rule		Six			
		STIFFENERS.			
Plating Thickness.		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD.	In Trunk (above Upper Deck) ✓ Upper between decks Below Upper Deck ✓ Main " ✓ Third " ✓	.30 to .31 .31 to .31 .42	Wash plate ✓ [7 x 3 x .50] 23 1/4 ✓ Web 27 1/2 x .36 ✓ Face 11 x 3 1/2 x .60 } ✓ [7 x 3 x .50] 23 1/4 ✓	2 Horizontal spidars ✓ [7 - 15 x .36] ✓ [7 - 5 x 3 1/2 x .44] ✓ [7 - 24 x .40] ✓ [7 - 6 x 3 1/2 x .56] ✓	
"	Holds in Wings	.32 to .42	[11 x 3 1/2 x .50]	24 x 27 ✓	
COLLISION	(in Hold)	.42 to .43	[7 x 3 x .42]	24	Semi box beam.
AFTER PEAK		.42 to .30	[6 x 3 x .35] [7 x 3 x .30]	24	Bottom of feed tanks.
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture).					
Colvilles Ltd., Stewarts & Lloyd's, Ltd., Lanarkshire Steel Co. Ltd., Steel Company of Scotland Ltd.					
Has the Steel been tested as required by the Rules? Yes					

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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.)

Six certificates of fittings, castings and derrick are forwarded herewith.

Approved plans as under are also forwarded

1. Midship section
2. Profile + decks
3. Stern frame
4. Outline plan of rudder
5. Bulkheads 2, 18 + 34 aft, 13, 31 + 47 forward.
6. After sections
7. Oil Fuel Bunkers
8. Bulkheads 50 E + 52 F aft.
9. Shaft brackets
10. Flare abreast Oil Fuel Bunker.
11. Rudder
12. Tillers
13. }
14. } 3 Pumping plans.
15. }

Any amendments in actual vessel from approved midship section have been shown on that plan.

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	Cuts. 33 - 2 - 4 (inc. pins + blocks)	J.D. 7536.	25. 2. 30.
	2nd "	33 - 2 - 4 (- do -)	J.D. 7537	25. 2. 30.
	3rd "	33 - 1 - 27 (- do -)	J.D. 7538.	25. 2. 30.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 72.7 ft., R.Q.D. ✓ ^{Trunkway} Bridge 336 ft., Forecastle 41.5 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ✓ Trunk deck joins poop to forecastle.

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 1 Dk (Stl)

Official No. 162595 ; Signal Letters L.H.D.N. Is bottom of Vessel coated with cement Part only if not give particulars of composition Bitumastic in Machinery space, cement in peaks + on outside strakes in ballast tanks, paint in pump room nothing in cargo tanks + deck + remainder cement wash on remainder

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓		Fore peak tank,	19.3	113
Double bottom, under Engines and Boilers,	✓		After peak tank,	14.8	85
Double bottom, if under Engines only,	✓		Deep tanks aft,	100	1434
Double bottom, if under Boilers only,	✓		Deep tanks forward,	96	1298
Double bottom, forward,	✓		Other tanks, if fitted, Feed tank in after peak.	6	14
Total capacity of double bottom			(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. 828

Date 24th Jan. 1931

Dates of Surveys held while building

1931.
Jan 23. 28 30 2. 4. 6. 9. 12. 16. 17. 19. 20. 22. 25 Mar 2. 3. 5. 6. 9. 12. 13. 16. 17. 18. 20. 23. 24
26. 30. 31 Apr 2. 8. 9. 10. 13. 15. 16. 17. 22. 23. 27. 28. 29. 30 May 1. 4. 5. 6. 7. 8. 10. 11. 13. 18
19. 20. 22. 26 June 4. 8. 10. 11. 15. 16

Total No. of Visits 62