

STEEL STEAMER OR MOTORSHIP.

Received at London Office

8 MAY 1949

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 *25th February 1949*Port of *Belfast*No. *14714*Survey held at *Belfast*Date First Survey *3rd September 1946*Last Survey *18th February**1949*In the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Twin Screw "MAGDALENA"*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Limited draft with Superstructures*State Type of Erections *Long Bridge and Forecastle Combined with super-imposed Mastle.*TONNAGE under 12433.98
Tonnage Deck ...CLASS *100 A1.*State if with freeboard as condition of Class *yes.*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) *540.0*Launched *11th May 1948* Yard No. *1354.*Total *✓*Breadth (greatest moulded) *B 73.0*Builders *Harland & Wolff Ltd;*Gross Tonnage *17547.43*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 45.0*Owners *Royal Mail Lines Ltd;*Register Tonnage *9886.45*1st Longitudinal Number (L x D) *24300*Managers *✓*
(Where necessary to be entered in Reg. Book)

REGISTERED DIMENSIONS.

FEET

Length *551.2*Framing Depth "d," at middle of length. See Sec. 3 (1d) *8.7*Residence *✓*Breadth *73.3*Proportions—Depth to Length—Uppermost continuous deck to top of keel *12.0*Port of Registry *London*Depth *32.8*Do. Long Bridge to top of keel *10.09*

If surveyed while building, afloat, & in dry dock

Draught Moulded *28'-8"**yes. Last undocking date 19:1:49.*

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>3/5 L.</i>	<i>30"</i> ✓		Bracket Floors, Frame	✓	
" " from 1/2 length amidships to Collision bulkhead	<i>27"</i> ✓		" " Reversed Frame	✓	
" " in peaks	<i>24"</i> ✓		" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>50" x 62"</i> ✓	
Frame Amidships, Angle, <i>[45°]</i>	<i>8" x 47" x 3 1/2" x 3 1/2" x 52"</i> ✓		" " top Angles <i>Double</i>	<i>3 1/2" 3 1/2" x 58"</i> ✓	
" " Extends up to <i>BRIDGE & SHELTER DECKS ALTERNATIVELY.</i>			" " bottom Angles <i>Double</i>	<i>5" 5" x 62"</i> ✓	
INTERMEDIATE FRAMES <i>4" 3 1/2" x 46" O.A.</i>			Side Girders, No. each side and thickness	<i>20" x 44"</i> ✓	
Reversed Frame Amidships, Angle	✓		Margin Plate depth (excl. of flange) and thickness	<i>40" x 64"</i> ✓	
" " Extends up to	✓		" " Vertical Angle to Tank side	<i>WELDED TO SHELL, MARGIN & TANK TOP.</i> ✓	
Depth of Framing Girder	<i>8"</i> ✓		" " Bracket abaft 1/2 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, <i>[45°]</i>	<i>8" x 47" x 3 1/2" x 3 1/2" x 52"</i> ✓		" " Vertical Angle to Tank side		
" " Second 'tween Decks, Angle, <i>[45°]</i>	<i>- do -</i> ✓		" " Bracket from forward 1/2 len. from stem to Panting Area		
" " Third	<i>- do -</i> ✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	<i>CONTINUOUS GUSSET PLATE</i> ✓	
" " from 1/2 len. for'd. to 15% len. from Stem	<i>8" x 50" x 3 1/2" x 3 1/2" x 52" CHANNELS.</i> ✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	<i>FORE & AFT.</i> ✓	
" " in Peaks, Angle or <i>[45°]</i>	<i>9" 3 1/2" x 46"</i> ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>76" x 45"</i> ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>7/8" @ 5 3/4"</i> ✓		INNER BOTTOM PLATING.		
State if Frame Joggled	<i>yes</i> ✓		Breadth and thickness of Middle Line Strake	<i>62" x 62"</i> ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>as approved.</i> ✓		Thickness of remainder in Holds	<i>54" x 48"</i> ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>as approved.</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?	<i>yes.</i> ✓	
SINGLE BOTTOM.			BEAMS. (SHELTER DECK) <i>PASSENGER.</i>		
Floors, Depth and thickness at mid-line in Holds	✓		Uppermost Continuous Deck, amidships in <i>Walls, Angle, [45°]</i>	<i>8" x 30" x 3 1/2" x 3 1/2" x 52"</i> ✓	
Height of Brackets at side above base line at toe of frame	✓		" " in way of Bridge, Angle, <i>[45°]</i>	<i>- do -</i> ✓	
Middle Line Keelson, on Floors, Angles, <i>[45°]</i> or <i>[45°]</i>	✓		Spacing	<i>30"</i> ✓	
" " Through Plate or Inter-costal Plate	✓		UPPER DECK. <i>SUSPENDED CARGO.</i>		
" " Foundation Plate on Floors	✓		Second Deck, amidships, Angle, <i>[45°]</i>	<i>8" x 45" x 4" x 4" x 55"</i> ✓	
" " Flat Plate Keel Angles	✓		Spacing	<i>30"</i> ✓	
Side Keelsons, No. each side	✓		MAIN DECK. <i>SUSPENDED CARGO.</i>		
" " thickness of Inter-costal Plate	✓		Third Deck, amidships, Angle, <i>[45°]</i>	<i>8" x 45" x 4" x 4" x 55"</i> ✓	
" " Angles	✓		Spacing	<i>30"</i> ✓	
DOUBLE BOTTOM.			LOWER DECK. <i>SUSPENDED CARGO.</i>		
Solid Floors, thickness and spacing	<i>48" @ 30"</i> ✓		Fourth Deck, amidships, Angle, <i>[45°]</i>	<i>8" x 45" x 4" x 4" x 55"</i> ✓	
" " Are Frame and Reversed Frame joggled?	<i>FRAMES YES.</i> ✓		Spacing	<i>30"</i> ✓	
Bracket Floors, breadth and thickness at middle line	<i>REV. FR. NO.</i> ✓		ORLOP DECK FORWARD <i>SUSPENDED CARGO.</i>		
" " breadth and thickness at margin plate	✓		Roop Deck, Angle, <i>[45°]</i>	<i>8" x 45" x 4" x 4" x 55"</i> ✓	
			Spacing	<i>30"</i> ✓	
			8 FEETLE COMBINED.		
			Bridge Deck, Angle, <i>[45°]</i>	<i>8" x 30" x 3 1/2" x 3 1/2" x 52"</i> ✓	
			Spacing	<i>30"</i> ✓	
			UPPER		
			Forecastle Deck, Angle, <i>[45°]</i>	<i>8" x 22" x 4" x 4" x 32"</i> ✓	
			Spacing	<i>27" x 24"</i> ✓	

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	Three ✓			Stringer Plate, breadth and thickness in way of Bridge	62" x 44" ✓		
" in 'tween Decks, Size and Spacing	Intercoastal Girders & Pillars			Thickness of Plating abreast Deck openings in way of Wells	46" x 38" ✓		
" " " " " "	4 to 5 frame spaces			Thickness of Plating abreast Deck openings in way of Bridge	40" ✓		
" in Holds " " " " " "	apart as approved. ✓			Thickness of Plating within line of openings...	34" ✓		
" " " " " " " "				If Sheathed, material and thickness	2 1/2" O.P. ✓		
Centre Line Bulkhead. Stiffeners and Spacing	✓			Third Deck. MAIN DK. .			
Plating, thickness of	✓			Stringer Plate, breadth and thickness AFT. .	54" x 44" ✓		
STRINGERS AND DECKS.				" " IN WAY OF BRIDGE	54" x 34" ✓		
Uppermost Continuous Deck. AFT.				If Plated, state thickness AFT. .	40" x 34" ✓		
Stringer Plate, breadth and thickness in Wells	79" x 1.00" ✓			IN WAY OF BRIDGE	30" ✓		
WITH DOUBLING	65" x .60" ✓			Fourth Deck. LOWER DK.			
" " " " in way of Bridge	79" x .50" ✓			Stringer Plate, breadth and thickness	54" x 34" ✓		
" " " " " " " "				If Plated, state thickness	30" ✓		
" Angle in Wells AFT. ✓	6 6 .94" ✓			Peep Deck. ORLOP DECK FORWARD. ✓			
IN WAY OF BRIDGE OK WELDED CHOCK PLATES.				Stringer Plate, breadth and thickness	54" x 34" ✓		
Thickness of Plating abreast Deck openings	.66 10 .52" ✓			Plating, Sheathing, material and thickness ...	30" ✓		
in way of Wells AFT. ✓				FORECASTLE			
Thickness of Plating abreast Deck openings	.46" ✓			Bridge Deck.			
in way of Bridge				Stringer Plate, breadth and thickness	79" x 56" ✓		
Thickness of Plating within line of openings...	.48" x 44" ✓			Plating, Sheathing, material and thickness ...	48" x 2 1/2" O.P. ✓		
If Sheathed, material and thickness	2 1/2" P.P. ✓			UPPER Forecastle Deck.			
Second Deck. UPPER DK. AFT				Stringer Plate, breadth and thickness	42" ✓		
Stringer Plate, breadth and thickness in Wells	54" x 50" ✓			Plating, Sheathing, material and thickness...	38" x 2 1/2" O.P. ✓		

SHELL PLATING.

SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			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.....	60	1.06"	1.0	.98	.96 15.86.	Double	1"	4.3	✓		Welded	
„ Dblg. (if any)	✓	✓	✓	✓		✓	✓	✓	✓			
Bottom Plating, No. of Strakes FIVE...}	3 @	.71"	.78.83.58	.60"		Double	7/8"	3 3/4	four	7/8"	3 1/2" Lapped	
	2 @	.71"	.74.83.58	.66.		- do -	"	"	- do -	"	" - do -	
Bilge Plating, No. of Strakes TWO...}		.71"	.74.84.58	.58		Tribble Double	"	"	- do -	"	" - do -	
						" with extra Riv	"	3 1/8	- do -	"	" - do -	
Side Plating, No. of Strakes FOUR...}	2 @	.69	.66.76.54.	.54		Double	7/8"	3 3/4	- do -	"	" - do -	
	2 @	.69	.66.54.	.54		" at Break	1"	4.3	at Break	1"	4" - do -	
Upper Deck, Sheer- strake in Wells.....	84"	.69	.66.54.86.54		AT BREAK OF B'GE AFT .86 WITH .69 DOUBLING	"	7/8"	3 3/4	- do -	7/8"	3 1/2" - do -	
Upper Deck, Sheer- strake in Bridge ...}	84"	.69	.66.54	✓		"	"	"	- do -	"	" - do -	
Strake below Sheer- strake in Wells.....}	84"	.69	.66.54.86.54.			at Break	1"	4.3	- do -	1"	4" - do -	
Strake below Sheer- strake in Bridge ...}	84	.69	✓	✓		Double	7/8"	3 3/4	- do -	7/8"	3 1/2" - do -	
Poop Side Plating.....	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	
2 FcSTLE Bridge Side Plating.....	103 1/2	.66	.62-.48.	✓		-	-	-	four	7/8"	3 1/2" Lapped	
UPPER Forecastle Side Plating			.48.	✓		Single	3/4	3"	Single	3/4	3" - do -	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c).....8.✓

„ Deck next below.....✓

As per Rule.....8.

FORGINGS AND CASTINGS.

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. 3 c) 8 ✓									
,, Deck next below ✓									
As per Rule 8									
		STIFFENERS.							
		VERTICAL.		HORIZONTAL.					
		Scantlings.		Spacing.					
		Thickness.							
No 6 FORWARD									
MIDSHIP BULKHEAD Upper 'tween decks		26 ✓	3 1/2 x 2 1/2 x 30 ✓	31 ✓		ALL STIFFS ARE O. A WELDED JOE ON.			
,, Second ,,		32-30 ✓	5 x 3 x 30 ✓	27 ✓					
,, THIRD ,,		36 ✓	6 x 3 1/2 x 32 ✓	" ✓					
,, Third FOURTH.		38 ✓	6 x 3 1/2 x 40 ✓	" ✓					
,, Holds		56 LING 48-40 ✓	8 x 3 1/2 x 46 ✓	" ✓					
COLLISION ,, (in Hold)		52-34 ✓	7 x 3 1/2 x 38 ✓	24 ✓	3 Box BEAMS ✓				
AFTER PEAK ,,		48-60 ✓ 26 ✓	8 x 3 1/2 x 54 ✓ 56 ✓	24 ✓	TUNNEL DECK ✓				

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *open hearth steel*
Colvilles Ltd; Conssett Iron Co; The Steel Company of Scotland; Smith & McLean
Lanarkshire Steel Co.

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.)

This vessel is for the carriage of passenger and of Refrigerated cargo in holds and tween decks.

The following reports are enclosed :- C.S. Boss Arms, C.S. Rudder coupling; Forged Rudder Stock, Forged Gudgeons, Forged Tiller crosshead; Fabricated Sternframe, certificates of Derrick tubes.

Interim certificate issued, copy attached.

Vessel undocked 19th January 1949.

Approved plans are forwarded, see attached list.

PARTICULARS OF ELECTRIC WELDING (if employed) The oil fuel bunkers and deep tanks in tunnel are of welded construction; Bridge deck, Shelter deck, Upper deck, Tunnel flat, Boiler flat have welded butts & seams; straight tank top in No 1 hold welded direct to shell; Side Stringers to shell; Deck stringer chock plates to deck, shell & frames; Girders of welded construction to decks; Bulkhead stiffeners; Keel butts; Margin plating to shell & tank top, also floors & frame brackets; Tank top butts; Section of double bottom under Main Engine seating is of an all welded construction; Holes webs; Built Rudder & Sternframe; and extensively for non structural items.

SPECIAL NOTATIONS :—Either as part of the vessel's class or for record in the Register Book
Cruiser Stern, C.H., Radar, Gyro C, E.S.D.,
Refng. Machy., Fitted for Oil fuel F.P. above 150°F,
Part Elec-welded, Lloyds A & C.P.

RADAR Equipment (State if fitted)
State Type or Pattern No. Metro-Vickers, Type 223.
State Name of Maker and/or Supplier by Siemens.

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

1st Bower Wt of Anchor Head & pins 67-0-0; 9635 A.E.G. 24:6:47.
2nd " 66-2-14; 9079 S.P.R. 16:7:47.
3rd " 67-3-14; 8384 J.H.J. 13:12:46.
Stream 27-0-0; 8474 J.H.J. 10:1:47.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge 458.5 ft., Forecastle 59.75 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated. Bridge & Forecastle combined
Official No. 182955 Signal Letters Extreme Breadth over Belting no belting Over-all Length 570'-1 1/2"
(Circ. 1611) (Circ. 1703)

No. and Material of Decks 3 steel decks, 4th deck (st) in all holds, 5th deck (st) in Nos 2 & 3 holds.

Parts of Bottom of Vessel coated with cement or approved composition W.B. or F.W. tanks cement fillets & cement washed. all oil fuel tanks coated with mineral oil. Permanent ballast of cement & steel punchings fitted in No 7 & 8 d.b.

Particulars of composition (if fitted) and of approval tank p & s = 331 tons & No 8 7th d.b. tank starboard wing only = 30 tons.

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)
(Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft, No 9, 10 & 11.	Feet. 112.5	Tons. 346	Fore peak tank,	Feet. 31	Tons. 111.0
Double bottom, under Engines and Boilers, No 6, 7 & 8.	115.0	841.	After peak tank,	26	239.0
Double bottom, if under Engines only,	✓	✓	Deep tank, aft, at p & s sides of Tunnel	70	546.0
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,		
Double bottom, forward, No 1, 2, 3, 4 & 5,	226.25	1541	Other tanks, if fitted,		
Total length (if continuous) and Capacity	453.75	2728	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 966

Date 9/9/46

Dates of Surveys held while building

1946 Sept 3, 17, 29 Oct 4, 16, 21, 23, 25, 29 Nov 19 Dec 4, 10, 18, 31 Jan 14, 20, 21, 22, 27 Feb 3, 5, 11, 18, 24 March 10, 11, 17, 19, 21, 23, 25, 27, 29 April 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29 May 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29 June 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29 July 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29 Aug 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29 Sept 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29 Oct 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29 Nov 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29 Dec 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29 Jan 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29 Feb 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29 March 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29 April 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29 May 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29 June 1, 3, 5, 7, 9, 11, 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