

Rpt. 1
RECEIVED

4 MAY 1951

IN D.O.

Date of completion of report

Survey held at Dumbarton

Date First Survey 12th January, 1950

Last Survey 23rd April, 1951

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

Steel Tr. Sc. M.V. "ROYAL IRIS"

(Diesel Electric)

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

State Type of Erections

TONNAGE under Tonnage Deck ...

611.04

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

Total

611.04

Gross Tonnage

1234.03

Register Tonnage

622.28

REGISTERED DIMENSIONS.

FEET

Length

149.9

Breadth

48.1

Depth

12.35

STEEL STEAMER OR MOTORSHIP

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

Port of

Glasgow

No. 77102

DISCLOSED Received at London Office

JUN 1951

+100A - For ferry Service on the River Mersey.

CLASS

State if with freeboard as condition of Class

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

157

Breadth (greatest moulded)

48

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

13-4

1st Longitudinal Number (L x D)

✓

2nd Numeral L x (B + D)

✓

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

✓

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

✓

Do. Long Bridge to top of keel

✓

Draught Moulded

8-11 1/2

Built at Dumbarton

Launched Dec. 8th 1950 Yard No. 1448

Builders H.M. Denny & Bros. Ltd.

Owners Corporation of Wallasey
(For full particulars page 4)

Managers

(Where necessary to be entered in Reg. Book)

Residence Wallasey

Port of Registry Liverpool

If surveyed while building, afloat, or in dry dock
While building, afloat, and 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	<u>24</u>	<u>✓</u>	Bracket Floors, Frame		
" " from 1/3 length amidships to Collision bulkhead	<u>24</u>	<u>✓</u>	" " Reversed Frame		
" " in peaks	<u>24</u>	<u>✓</u>	" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, <u>22 1/2</u>	<u>5 3 40</u>	<u>5 3 32 1/2</u>	" " top Angles		
" " Extends up to	<u>Main deck</u>	<u>✓</u>	" " bottom Angles		
Reversed Frame Amidships, Angle	<u>✓</u>		Side Girders, No. each side and thickness		
" " Extends up to	<u>✓</u>		Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder	<u>5</u>	<u>✓</u>	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, <u>22 1/2</u>	<u>33 23 28</u>	<u>✓</u>	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area		
" " Second 'tween Decks, Angle, <u>22 1/2</u>	<u>✓</u>		" " Gussets, spacing and scantling abaft 1/2 len. from stem		
" " Third " " " "	<u>✓</u>		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		
" " from 1/2 len. for'd. to 15% len. from Stem	<u>5 3 40</u>	<u>✓</u>	Tank Side Brackets, height above base line at toe of Frame and thickness		
" " in Peaks, Angle <u>22 1/2</u>	<u>5 3 40</u>	<u>✓</u>	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<u>5/8 7 diam</u>	<u>✓</u>	Breadth and thickness of Middle Line Strake		
State if Frame Joggled	<u>Yes</u>	<u>✓</u>	Thickness of remainder in Holds		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<u>as approved.</u>	<u>✓</u>	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?		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<u>as approved.</u>	<u>✓</u>	BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in	<u>7 3 40</u>	<u>6 3 32 1/2</u>
Floors, Depth and thickness at mid-line in	<u>12 30 1/2</u>	<u>✓</u>	" " in way of Bridge, Angle, <u>22 1/2</u>	<u>6 3 30</u>	<u>30 1/2 in for peak</u>
Height of Brackets at side above base line at toe of frame	<u>none</u>	<u>(2 1/2 in in hold)</u>	" " Spacing	<u>48</u>	<u>24 at ends</u>
Middle Line Keelson, on Floors, Angles	<u>5 3 30</u>	<u>✓</u>	Lower Steering Gear Plat.	<u>4 2 1/2</u>	<u>25 10A. 5 3 26 1/2</u>
" " Through Plate on Inter-costal Plate	<u>15 32</u>	<u>✓</u>	Second Deck, amidships, Angle, <u>22 1/2</u>	<u>24</u>	
" " Foundation Plate on Floors	<u>5 3 30</u>	<u>✓</u>	" " Spacing	<u>24</u>	
" " Flat Plate Keel Angles	<u>3 2 1/2 30</u>	<u>✓</u>	Lower Deck, amidships, Angle, <u>22 1/2</u>	<u>3 2 1/2</u>	<u>30 10A</u>
Side Keelsons, No. each side	<u>one</u>	<u>✓</u>	" " Spacing	<u>24</u>	
" " thickness of Inter-costal Plate	<u>15 30</u>	<u>✓</u>	Lower Deck, amidships, Angle, <u>22 1/2</u>	<u>5 3 30</u>	<u>4 2 1/2 26 1/2</u>
" " Angles	<u>3 2 1/2 30</u>	<u>✓</u>	" " Spacing	<u>24</u>	
DOUBLE BOTTOM.			Poop Deck, Angle, <u>22 1/2</u>	<u>✓</u>	
Solid Floors, thickness and spacing			" " Spacing	<u>✓</u>	
" " Are Frame and Reversed Frame joggled?			Shelter Deck, Angle, <u>22 1/2</u>	<u>5 2 1/2 40</u>	
Bracket Floors, breadth and thickness at middle line			" " Spacing	<u>36 5 48</u>	
" " breadth and thickness at margin plate			Lower Deck, amidships, Angle, <u>22 1/2</u>	<u>5 2 1/2 40</u>	<u>5 3 30 10A. 4 2 1/2 32 1/2</u>

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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				Stringer Plate, breadth and thickness in way of Bridge		✓	
" in 'tween Decks, Size and Spacing <i>mid. 3 x 4 mid. wide spaced.</i>				Thickness of Plating abreast Deck openings in way of Wells		✓	
" " " " " "				Thickness of Plating abreast Deck openings in way of Bridge.....		✓	
" in Holds <i>below main deck 3 x 4 mid. wide space.</i>				Thickness of Plating within line of openings...		30	
" " " " " "				If Sheathed, material and thickness.....		✓	
Centre Line Bulkhead.				<i>Lower</i> <i>ps 22-30</i>			
Stiffeners and Spacing		✓		Upper Deck.			
Plating, thickness of		✓		Stringer Plate, breadth and thickness.....		✓	
STRINGERS AND DECKS.				<i>tie plates</i>		30 x 18	
Uppermost Continuous Deck. <i>main.</i>				If Plated, state thickness <i>tie plates</i>		30 x 18	
Stringer Plate, breadth and thickness in Wells <i>64 30-30</i>				<i>Lower</i> <i>ps 58-67</i>		30	
" " " " in way of Bridge		✓		Upper Deck.		26	
" " " " " "				Stringer Plate, breadth and thickness.....		30	
" " " " " "				If Plated, state thickness.....			
Angle in Wells <i>ruled.</i>				Poop Deck.			
Thickness of Plating abreast Deck openings in way of Wells		24		Stringer Plate, breadth and thickness.....		✓	
Thickness of Plating abreast Deck openings in way of Bridge.....		✓		Plating, Sheathing, material and thickness ...		✓	
Thickness of Plating within line of openings...		24		<i>Shells</i>		15 x 25	
If Sheathed, material and thickness.....		5 x 2 1/2 <i>teak</i>		Upper Deck.		75 x 18	
<i>Lower</i> <i>Scrimgeur flat</i>				Stringer Plate, breadth and thickness.....		5 x 24 <i>teak</i>	
Second Deck.		30		Plating, Sheathing, material and thickness ...		15 x 25	
Stringer Plate, breadth and thickness in Wells				<i>Lower</i> <i>ps 20-18</i>		5 x 24 <i>teak</i>	
				Poop Deck.			
				Stringer Plate, breadth and thickness.....		15 x 25	
				Plating, Sheathing, material and thickness...		5 x 24 <i>teak</i>	

SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

STIFFENERS.					
	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	<i>22</i>	<i>30-18</i>	<i>5-35-30</i>	<i>27/30</i>	
" " Second	<i>30</i>	<i>30-18</i>	<i>5-35 "</i>	<i>26</i>	
" " Third	<i>48</i>	<i>28-18</i>	<i>5-30 "</i>	<i>27/27</i>	
" " Holds	<i>58</i>	<i>32-18</i>	<i>5-30 "</i>	<i>24/27</i>	
COLLISION " (in Hold)	<i>67</i>	<i>32-18</i>	<i>32-25 "</i>	<i>24</i>	
AFTER PEAK "	<i>12</i>	<i>30-18</i>	<i>4-22-24</i>	<i>10A 24x24</i>	

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Department Approve Plans to be No
KEEL, Bar		✓		
STEM		roller 3' dia		
STERN FRAME {	Propeller Post	✓		
	Rudder "			
Speed of Vessel		13 knots		
RUDDER—Type	Twin	Balanced	Downing	
" A × D.....		✓		
" Diam. of head	Forging	8 1/2	Downing Forge	
" Mainpiece at top pintle				
" " heel - ...		✓		
" how constructed		Welded, fabricated		
" double or single plate		double	30.	
" coupling, vertical or		none		
" horizontal				

STEEL.

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

Steel Co. of Scotland: Colvilles: Smith & McLean

Has the Steel been tested as required by the Rules?

Yes.

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.)

Approved plans:
Midship Section, Profile & Decks.
O.T. & W.T. Bulkheads.
Motor & Generator Seats.
After Framing, Stegs & Stern Cant.
Shell Expansion.
C deck plating.
Rudder & Single Arm Propeller Bracket.
Pillars & Deck Girders.
General Arrangement, A & B Decks.
C & D decks.
Diagrammatic Pumping Arrangement.
Details of Ventilators.
Rudder Crossheads, Tillers Etc.
Casings on C & D decks.

As built:—
Structural Sections, Profile & Decks.

Owners: The Mayor, Aldermen and Burgesses of the Borough of
Wallasey.

PARTICULARS OF ELECTRIC WELDING (if employed) Shell and deck seams & butts, pillars & girders,
Bulkheads, Engine & Generator Seatings & details.

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

Carrying Oil Fuel in Side tanks amidships; Oil. Coy.
Pass. Cert. E.S.D. 186 (Std) w.s.

RADAR Equipment (State if fitted) ✓

State Type or Pattern No.

State } Maker
Name } and/or
of } Supplier

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. ✓ 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 ✓

Official No. 183,806 Signal Letters ✓ Extreme Breadth over Belting 50'-4" Over-all Length 159'

No. and Material of Decks 186 Std. Teak Sheathing

Parts of Bottom of Vessel coated with cement or approved composition F.W. Tanks Cement washed, hold rooms painted,
remainder bituminous material

Particulars of composition (if fitted) and of approval ✓

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. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,	18-0	53
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	18-0	29
Double bottom, forward,			Other tanks, if fitted,		
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No.

Date

Dates of Surveys
held while building

1950 Jan. 12. Mar. 29. Apr. 14. 25. July 25. 26. Aug. 3. 14. 15. 16. 25. Sept. 12. 13. 27. 29. Oct. 2. 6. 11. 13.
23. 24. 27. 30. 31. Nov. 2. 8. 9. 10. 13. 16. 20. 21. 22. 23. 24. 27. 28. 29. Dec. 4. 6. 8. 13. 20. 1951 Jan. 17. Feb. 1.
27. Mar. 12. 15. 20. 27. Apr. 3. 16. 18. 21. 23.

Total No. of Visits 57.

Lloyd's Register
Foundation