

Rpt. 1.

STEEL STEAMER or MOTORSHIP.

Received at London Office

18 MAY 1932

State if Report has been sent on the Freeboard of the Vessel *Yes. (Assignment not required as London letter filed)*State if Report is sent on the Machinery of the Vessel *Yes.*

Date of completion of report

16th May 1932

Port of

Glasgow.

Survey held at

Glasgow.

Date First Survey

28th Oct 1931

Last Survey

No. 52440

9th May

1932

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

Steel Twin Screw Passenger Ferry Steamer "Royal Iris II"

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

Special Service

State Type of Erections

None

TONNAGE under Tonnage Deck...

601.48

CLASS

+ 100 A1

State if with freeboard

See below

In any Purpose - River & Kinsey

FEET.

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

Total

Gross Tonnage

607.20

Register Tonnage

225.81

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

L 156.5

Breadth (greatest moulded)

B 48.0

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

D 13.12

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

Built at

Glasgow.

Launched

22nd March 1932 Yard No. 918 G

Builders

Messrs Harland & Wolff Ltd

Owners

Mayor, Aldermen & Burgesses of the Borough of Kallasey.

Managers

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

Residence

Port of Registry

Liverpool

If surveyed while building, afloat, in dry dock

Yes.

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. |
|--|---|--|--|-----------------|--|
| MES. Spacing amidships | 24 | ✓ | Bracket Floors, Frame | ✓ | |
| " " from $\frac{3}{4}$ length to Collision bulkhead | 24 | ✓ | " " Reversed Frame | ✓ | |
| " " in peaks | 24 | ✓ | " " Vertical Struts | ✓ | |
| E FRAMING. | | | Centre Girder, depth and thickness amidships | ✓ | |
| Frame Amidships, Angle, $\frac{E}{F}$ | 5 $\frac{1}{2}$ 3 | ✓ | " " top Angles | ✓ | |
| " " Extends up to | Upper Deck | ✓ | " " bottom Angles | ✓ | |
| Reversed Frame Amidships, Angle | ✓ | | Side Girders, No. each side and thickness | ✓ | |
| " " Extends up to | ✓ | | Margin Plate depth (excl. of flange) and thickness | ✓ | |
| Depth of Framing Girder | 5 $\frac{1}{2}$ | ✓ | " " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem | ✓ | |
| Frames in Uppermost Continuous 'tween Decks, Angle, $\frac{E}{F}$ or $\frac{G}{H}$ | ✓ | | " " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem | ✓ | |
| " " Second 'tween Decks, Angle, $\frac{E}{F}$ or $\frac{G}{H}$ | ✓ | | " " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem | ✓ | |
| " " Third " " " " | 4 3 36 | ✓ | " " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem | ✓ | |
| Framing in Peaks, Angle $\frac{E}{F}$ or $\frac{G}{H}$ | 4 3 36 | ✓ | Tank Side Brackets, height above base line at toe of Frame and thickness | ✓ | |
| Diameter and Spacing of Rivets through Frame and Shell Plating amidships | 3/4 5/16 | ✓ | INNER BOTTOM PLATING. | | |
| State if Frame Joggled | Yes. | | Breadth and thickness of Middle Line Strake | ✓ | |
| PANTING ARRANGEMENTS (Sec. 7), state system and particulars | 2 Strakes $\frac{1}{2}$ in ship thickness | ✓ | Thickness of remainder in Holds | ✓ | |
| STRENGTHENING OF BOTTOM FORWARD. State Particulars | no per plans app. | ✓ | 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. | | |
| Floors, Depth and thickness at mid-line in Holds | 12 x 3/2 x 3/2 x 60 | ✓ | Uppermost Continuous Deck, amidships in Wells, Angle, $\frac{E}{F}$ or $\frac{G}{H}$ | 7 3 40 | ✓ |
| Height of Brackets at side above base line at toe of frame | 2' 0" | ✓ | " " in way of Bridge, Angle, $\frac{E}{F}$ or $\frac{G}{H}$ | ✓ | |
| Middle Line Keelson, on Floors, Angle, $\frac{E}{F}$ or $\frac{G}{H}$ | 12 6 44 | ✓ | Spacing | 48 | ✓ |
| " " Through Plate or Intercostal Plate | 12 x 3/2 x 3/2 x 60 | ✓ | Second Deck, amidships, Angle, $\frac{E}{F}$ or $\frac{G}{H}$ | 5 3 40 | ✓ |
| " " Foundation Plate on Floors | 20 12 x 38 35 x 35 x 36 | ✓ | Spacing | 48 | ✓ |
| " " Flat Plate Keel Angles | 3 3 40 3 x 3 x 40 | ✓ | Third Deck, amidships, Angle, $\frac{E}{F}$ or $\frac{G}{H}$ | ✓ | |
| Side Keelsons, No. each side | One | ✓ | Spacing | ✓ | |
| " B.R. I thickness of Intercostal Plate | 12 x 3/2 x 3/2 x 60 | ✓ | Fourth Deck, amidships, Angle, $\frac{E}{F}$ or $\frac{G}{H}$ | ✓ | |
| " " Angles | ✓ | | Spacing | ✓ | |
| DOUBLE BOTTOM. | | | Poop Deck, Angle, $\frac{E}{F}$ or $\frac{G}{H}$ | ✓ | |
| Solid Floors, thickness and spacing | ✓ | | Spacing | ✓ | |
| " " Are Frame and Reversed Frame joggled? | ✓ | | Bridge Deck, Angle, $\frac{E}{F}$ or $\frac{G}{H}$ | ✓ | |
| Bracket Floors, breadth and thickness at middle line | ✓ | | Spacing | ✓ | |
| " " breadth and thickness at margin plate | ✓ | | Forecastle Deck, Angle, $\frac{E}{F}$ or $\frac{G}{H}$ | ✓ | |
| | | | Spacing | ✓ | |

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Lloyd's Register Foundation

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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..... | | | | | | | | | | | |
| " in 'tween Decks, Size and Spacing..... | | | | | | | | | | | |
| " " " " " | | | | | | | | | | | |
| " in Holds " " | | | | | | | | | | | |
| " " " " " | | | | | | | | | | | |
| Centre Line Bulkhead. | | | | | | | | | | | |
| Stiffeners and Spacing..... | | | | | | | | | | | |
| Plating, thickness of | | | | | | | | | | | |
| STRINGERS AND DECKS. | | | | | | | | | | | |
| Uppermost Continuous Deck. | | | | | | | | | | | |
| Stringer Plate, breadth and thickness in Wells | | | | | | 80½ | x | .34 | ✓ | | |
| " " " " in way of Bridge | | | | | | | | ✓ | | | |
| " Angle in Wells | | | | | | 4 | 3 | .34 | ✓ | | |
| Thickness of Plating abreast Deck openings) in way of Wells | | | | | | .25 | ✓ | .20 | ✓ | | |
| Thickness of Plating abreast Deck openings) in way of Bridge | | | | | | | ✓ | | | | |
| Thickness of Plating within line of openings... | | | | | | .25 | | ✓ | | | |
| If Sheathed, material and thickness | | | | | | Leak 3" | | | | | |
| Second Deck. | | | | | | | | | | | |
| Stringer Plate, breadth and thickness in Wells | | | | | | 18 | x | .25 | ✓ | | |
| Stringer Plate, breadth and thickness in way of Bridge | | | | | | | | | | | |
| Thickness of Plating abreast Deck openings) in way of Wells | | | | | | | | | | | |
| Thickness of Plating abreast Deck openings) in way of Bridge | | | | | | | | | | | |
| Thickness of Plating within line of openings... | | | | | | | | | | | |
| If Sheathed, material and thickness | | | | | | | | | | | |
| Third Deck. | | | | | | | | | | | |
| Stringer Plate, breadth and thickness..... | | | | | | | | | | | |
| If Plated, state thickness..... | | | | | | | | | | | |
| Fourth Deck. | | | | | | | | | | | |
| Stringer Plate, breadth and thickness..... | | | | | | | | | | | |
| If Plated, state thickness | | | | | | | | | | | |
| Poop Deck. | | | | | | | | | | | |
| Stringer Plate, breadth and thickness | | | | | | | | | | | |
| Plating, Sheathing, material and thickness ... | | | | | | | | | | | |
| Bridge Deck. | | | | | | | | | | | |
| Stringer Plate, breadth and thickness..... | | | | | | | | | | | |
| Plating, Sheathing, material and thickness ... | | | | | | | | | | | |
| Forecastle Deck. | | | | | | | | | | | |
| Stringer Plate, breadth and thickness..... | | | | | | | | | | | |
| Plating, Sheathing, material and thickness ... | | | | | | | | | | | |

SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

| Total No. of W.T. BULKHEADS in Vessel— | | | | | | | |
|--|-------------------|----------------------|-----------------------|---------------|-------------|--------------------------|--|
| | | <i>Five</i> | | | | | |
| Extending to Upper Deck (Sec. 3 c) | | <i>Five</i> | | | | | |
| „ Deck next below | | <i>✓</i> | | | | | |
| As per Rule | | <i>Approved Five</i> | | | | | |
| | | Plating Thickness. | STIFFENERS. | | | | |
| | | | VERTICAL. | | HORIZONTAL. | | |
| | | | Scantlings. | Spacing. | Scantlings. | Spacing. | |
| MIDSHIP BULKHD, | Upper tween decks | <i>r</i> | | | | | |
| „ | Second „ | <i>✓</i> | | | | | |
| „ | Third „ | <i>r</i> | | | | | |
| „ | Holds | <i>38-26</i> | <i>4½ x 3 x .34 L</i> | <i>21</i> | <i>✓</i> | | |
| | | | <i>5 x 3 x .31 L</i> | <i>21½-21</i> | <i>✓</i> | | |
| | | | <i>5 x 3 x .36</i> | | | | |
| COLLISION | (in Hold) | <i>34-26</i> | <i>3½ x 2½ x .26</i> | <i>21</i> | <i>✓</i> | <i>x Flat after side</i> | |
| AFTER PEAK | „ | <i>32-28</i> | <i>4½ x 3 x .30</i> | <i>21</i> | <i>✓</i> | | |

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth*
David Colville Sons & Co., Lamarkshire Steel Co. & The Steel Company of Scotland & Co.

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.)

List of Plans.

- ✓ Midship Section as built (forwarded in advance)
- ✓ Midship Section
- ✓ Profile
- ✓ Plan of Steel Deck.
- ✓ Pilla Arrangements.
- ✓ Fin Casting
- ✓ Hatch Deck Scuttles
- ✓ Flettner Rudder
- ✓ Do Steering Gear
- ✓ Rivetting of Flettner Rudder.
- ✓ Arrgt of Emergency Steering Jackle.
- ✓ Rudder Carries
- ✓ Pumping Arrangement.
- ✓ Main Deck Plating
- ✓ Shaft Brackets
- ✓ Aft end sections
- ✓ Aft end framing & Main and Aux Engine Seats.

Casting Report of Rudder Frame and Shaft Bracket.

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 is joined to the B.D., this should be distinctly stated

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

1 Dk (pt 5th keels)

Official No. : Signal Letters

Is bottom of Vessel coated with cement. Bitumastic if not

particulars of composition

PARTICULARS OF WATER BALLAST.—

| Where Fitted. | *Length. Feet. | Water Capacity. Tons. | Where Fitted. | *Length. Feet. | Water |
|---|-------------------|--------------------------|--|-------------------|-------|
| Double bottom, aft, | | | Fore peak tank, | | |
| Double bottom, under Engines and Boilers, | | | After peak tank, | 12-0 | 15 |
| Double bottom, if under Engines only, | | | Deep tank, aft, | 18-0 | 50 |
| Double bottom, if under Boilers only, | | | Deep tank, forward, | 9ft-0 | 12 |
| Double bottom, forward, | | | Other tanks, if fitted, Side Tanks each side | | |
| 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. | | | See letter | | |

Order for Special Survey No. 6145

Date 28/8/31

Dates of Surveys held while building

1931 Oct: 28 Nov: 2.9.12.17.19.25 Dec: 1.3.10.14.16.20.24.29 (1932) Jan: 27.28.29 Feb: 1.4.5.8.10.15.17.23.24.25.29 Mar: 1.2.3.4.7.9.17 Apr: 6.8 19.25.28 May: 3.9.

Total No. of Visits