

STEEL STEAMER ~~OF MOTORSHIP~~

Received at London Office

5 MAR 1932

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

5th March 1932

Port of

Glasgow

Survey held at

Bowling

Date First Survey

22nd Sept 1931

Last Survey

24th July 1932

1932

On the (State if Machinery fitted Aft and

Single Screw Steamer ROWAN

State Type (Full Scantling, Complete Superstructure

Full Scantling

State Type of Erections RQD, Bridge & Jc.

TONNAGE under

348.31

CLASS + 100 A1

State if with freeboard

No.

Built at

Bowling

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

Length from fore part of stem to after part of stern

L 166.66

Launched 26th January

Yard No. 321

Total

Breadth (greatest moulded)

B 25.6

Builders

Scott & Sons.

Gross Tonnage

499.88

Depth, at middle of length from top of keel to top

D 12.08

Owners Frontier Iron S. S. Co. Ltd.

Register Tonnage

188.42

1st Longitudinal Number (L x D) = 2013.25

Managers

J. Fisher & Sons Ltd.

REGISTERED DIMENSIONS.

FEET.

Length

167.0

Framing Depth "d," at middle of length. See

40. 9.66

Residence

Breadth

25.6

Proportions—Depth to Length—Uppermost con-

2.90 10.36

Port of Registry

Newry

Depth

10.05

Draught Moulded

11'-9 1/2"

If surveyed while building, afloat, or 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. |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------|
| FRAMES, Spacing amidships | 2 1/2 | | Bracket Floors, Frame | | |
| " " from 3/8 length to Collision bulkhead | 2 1/2 | | " " Reversed Frame | | |
| " " in peaks | F 2 1/2 A 2 1/2 | | " " Vertical Struts | | |
| SIDE FRAMING. | | | Centre Girder, depth and thickness amidships | 30 | 29 x .35 |
| Frame Amidships, Angle, E or F | 5 3 .35 | 5 x 3 x .25 | " " top Angles | 3 3 .31 | |
| " " Extends up to | Upper R.O. Deck | | " " bottom Angles | | |
| Reversed Frame Amidships, Angle | | | Side Girders, No. each side and thickness | One @ .28 | |
| " " Extends up to | | | Margin Plate depth (excl. of flange) and thickness | 20 x .34 | 20 x .29 |
| Depth of Framing Girder | 5 | | " " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem | 3 3 .38 | 3 x 3 x .28 |
| Frames in Uppermost Continuous 'tween Decks, Angle, E or F | | | " " Vertical Angle to Tank side Bracket forward 1/2 len. from stem | 3 3 .38 | 3 x 3 x .28 |
| " " Second 'tween Decks, Angle, E or F | | | " " Gussets, spacing and scantling abaft 1/2 len. from stem | Alt. frames .31 | .30 |
| " " Third " " " " | | | " " Gussets, spacing and scantling forward 1/2 len. from stem | Do. | |
| Framing in Peaks, Angle or E | 5 3 .25 | | Tank Side Brackets, height above base line at toe of Frame and thickness | 32 @ .30 | |
| Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships | 3/4 @ 5 1/4 | | INNER BOTTOM PLATING. | | |
| State if Frame Joggled | No | | Breadth and thickness of Middle Line Strake | 39 x .31 | |
| PANTING ARRANGEMENTS (Sec. 7), state system and particulars | Not frame & Sap floors as approved | | Thickness of remainder in Holds | .28 | |
| STRENGTHENING OF BOTTOM FOR- WARD. State Particulars | 2 Stacks Shell & thickness as intercostal as approved & bottom frames | | 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 | 13 1/2 x .39 | | Uppermost Continuous Deck, amidships in Wells, Angle, E or F | 5 3 .30 | |
| Height of Brackets at side above base line at toe of frame | floor raised to 19 1/2 | | R.O.D. " in way of Bridge, Angle, E or F | 5 3 .30 | |
| Middle Line Keelson, on Floors, Angle, E or F | 7 3 .48 | 6 1/2 x 3 x .52 | Spacing | 2 1/2 | |
| " " Through Plate or Intercostal Plate | | | Second Deck, amidships, Angle, E or F | | |
| " " Foundation Plate on Floors | | | Spacing | | |
| " " Flat Plate Keel Angles | | | Third Deck, amidships, Angle, E or F | | |
| Side Keelsons, No. each side | One | | Spacing | | |
| " " thickness of Intercostal Plate | .39 | | Fourth Deck, amidships, Angle, E or F | | |
| " " Angle | 6 3 .60 | | Spacing | | |
| DOUBLE BOTTOM. | | | Poop Deck, Angle, E or F | | |
| Solid Floors, thickness and spacing | 30 @ 2 1/2 .28 | | Spacing | | |
| " " Are Frame and Reversed Frame joggled? | No | | Bridge Deck, Angle, E or F | 4 1/2 3 .32 | |
| Bracket Floors, breadth and thickness at middle line | | | Spacing | 4 1/2 | |
| " " breadth and thickness at margin plate | | | Forecastle Deck, Angle, E or F | 5 3 .35 | |
| | | | Spacing | 4 1/2 | |

PILLARS AND DECKS.

| | INCHES IN SHIP. | | Any Departure from Approved Plans to be Noted. | |
|--------------------------------------------------------------------|------------------------------------|------------------|------------------------------------------------|--|
| PILLARS, No. of Rows..... | <i>one</i> | | | |
| " " in 'tween Decks, Size and Spacing..... | <i>2 1/4 @ 43</i> | | | |
| " " " " " | | | | |
| " " in Holds " " | <i>4 3/8 @ 43, 64 5/8 & 8"</i> | <i>3"</i> | | |
| " " " " " | | | | |
| Centre Line Bulkhead. | | | | |
| Stiffeners and Spacing..... | | | | |
| Plating, thickness of | | | | |
| STRINGERS AND DECKS. | | | | |
| Uppermost Continuous Deck. | | | | |
| Stringer Plate, breadth and thickness in Wells | <i>56 1/2 x .39</i> | <i>.37</i> | | |
| " " " " in way of Bridge | <i>56 1/2 x .47</i> | <i>.45</i> | | |
| " Angle in Wells | <i>3 1/2 3 1/2 .37</i> | | | |
| Thickness of Plating abreast Deck openings) in way of Wells | <i>.39</i> | <i>.37</i> | | |
| Thickness of Plating abreast Deck openings) in way of Bridge | <i>.47</i> | <i>.45</i> | | |
| Thickness of Plating within line of openings... | <i>.26</i> | <i>.29</i> | | |
| If Sheathed, material and thickness | | | | |
| R-9 Second Deck. | | | | |
| Stringer Plate, breadth and thickness in Wells... | <i>55 1/2 x .35</i> | <i>.33</i> | | |
| 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..... | <i>39 x .24</i> | <i>.28 x .24</i> | | |
| Plating, Sheathing, material and thickness ... | <i>.24 or P. Pine 2 1/2"</i> | | | |
| Forecastle Deck. | | | | |
| Stringer Plate, breadth and thickness..... | <i>.34</i> | | | |
| Plating, Sheathing, material and thickness ... | <i>.34 not sheathed</i> | | | |

SHELL PLATING.

| SCANTLINGS. | | | | | | RIVETING. | | | | | | | |
|----------------------------------------------------------|---------------|------------|------------|------------|------------------------------------------------------|---------------------------------------|------------|-----------------------|---------------------------|------------|-----------------------|------------------------|--|
| STRAKES. | AS IN VESSEL. | | | | ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED. | EDGES. <i>No</i> State if joggled? | | | 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 | | ✓ | | | | | | | | | | | |
| „ DBLG. (if any) | | ✓ | | | | | | | | | | | |
| BOTTOM PLATING, No. } of Strakes <i>THREE</i> } | <i>39</i> | <i>.43</i> | <i>.41</i> | <i>.41</i> | <i>.38</i> | <i>Double</i> | <i>3/4</i> | <i>3 1/4</i> | <i>Two</i> | <i>3/4</i> | <i>2 5/8</i> | <i>Strapped</i> | |
| | <i>50</i> | <i>.42</i> | <i>.39</i> | <i>.37</i> | <i>.34</i> | | | | | | | | |
| | <i>50</i> | <i>.42</i> | <i>.37</i> | <i>.37</i> | <i>.34</i> | | | | | | | | |
| BILGE PLATING, No. of } Strakes <i>ONE</i> } | <i>55</i> | <i>.55</i> | <i>.30</i> | <i>.34</i> | <i>.34</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | |
| SIDE PLATING, No. of } Strakes | | | | | | | | | | | | | |
| UPPER DECK, Sheer- } strake in Wells..... } | <i>59</i> | <i>.42</i> | <i>.30</i> | <i>.31</i> | <i>57 x .42</i> | <i>Double</i> | <i>3/4</i> | <i>3 1/4</i> | <i>Three</i> | <i>3/4</i> | <i>2 5/8</i> | <i>Lapped</i> | |
| UPPER DECK, Sheer- } strake in Bridge ... } | <i>59</i> | <i>.60</i> | | | <i>57 x .60</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>7/8</i> | <i>3/8</i> | <i>"</i> | |
| STRAKE BELOW Sheer- } strake in Wells..... } | <i>59</i> | <i>.40</i> | <i>.30</i> | <i>.31</i> | <i>57 x .40</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>3/4</i> | <i>2 5/8</i> | <i>"</i> | |
| STRAKE BELOW Sheer- } strake in Bridge ... } | <i>59</i> | <i>.40</i> | | | | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | |
| <i>K.G.</i> POOP SIDE PLATING | <i>48</i> | <i>.36</i> | | <i>.31</i> | <i>46 x .36</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>Two</i> | <i>7/8</i> | <i>2 1/4</i> | <i>"</i> | |
| BRIDGE SIDE PLATING ... | | <i>.25</i> | | | <i>.24</i> | <i>Single</i> | <i>5/8</i> | <i>2 7/8</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | |
| FOREC'TLE SIDE PLATING | | | <i>.24</i> | | | <i>Single</i> | <i>"</i> | <i>2 1/2</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | |

WATERTIGHT BULKHEADS.

| | |
|-----------------------------------------------|--------|
| Total No. of W.T. BULKHEADS in Vessel— | Three. |
| 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 | | $7 \times 1\frac{3}{4}$ | | $7 \times 1\frac{1}{2}$ |
| STEM | | $7 \times 1\frac{3}{4}$ | | $6 \times 1\frac{1}{4}$ |
| STERN FRAME { Propeller Post | | $5\frac{3}{4} \times 3\frac{1}{4}$ | | 2.5. 2.5. 2.5. 2.5. |
| { Rudder " | | $5\frac{1}{2} \times 3\frac{1}{4}$ | | 5.5. 1.5. |
| RUDDER—A x D | | 99 | | |
| Speed of Vessel | | 10 1/2 knots | | |
| RUDDER mainpiece at head ... | | 5 | 2.5. 2.5. 2.5. 2.5. | See report. |
| " " heel ... | | 3 1/4 | 15. 1.5. | |
| " how constructed | | Single plate | 2.5. 2.5. 2.5. 2.5. | See report. |
| " double or single plate | | Single .80 | | |
| " coupling, vertical or | | Horizontal | | |
| " horizontal | | | | |

STEEL.

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

The Steel Company of Scotland & Colvilles & 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.)

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

| | | | | | | | | |
|-----------|---|---|---|---|----|------|--------|-----------|
| 1st Bower | 7 | - | 2 | - | 16 | K.H. | 708565 | 27/8/30. |
| 2nd " | 7 | - | 2 | - | 8 | M.B. | 7277 | 27/11/29. |
| 3rd " | 6 | - | 1 | - | 14 | K.H. | 9145 | 15/4/31. |

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 97.16 ft., Bridge 8.96 ft., Forecastle 23.0 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 (SH). Cargo battens not fitted. BK 7.
well ok

Official No. 160292 ; Signal Letters _____ Is bottom of Vessel coated with cement Yes . if not give
particulars of composition _____

PARTICULARS OF WATER BALLAST.—

| Where Fitted. | *Length. Feet. | Water Capacity. Tons. | Where Fitted. | *Length. Feet. | Water Capacity. Tons. |
|-------------------------------------------|-------------------|-----------------------------------------------|--------------------------------------------------------|-------------------|--------------------------|
| Double bottom, aft, | <u>87.79</u> | <u>100</u> | Fore peak tank, | <u>24.25</u> | <u>47.0</u> |
| Double bottom, under Engines and Boilers, | | | After peak tank, | <u>13.0</u> | <u>47.0</u> |
| Double bottom, if under Engines only, | | | Deep tank, aft, | | |
| Double bottom, if under Boilers only, | | | Deep tank, forward, | | |
| Double bottom, forward, | | | Other tanks, if fitted, | | |
| | | Total capacity of double bottom <u>100</u> | (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. 6144

Date 24.8.31

Dates of Surveys
held while building

1931 Sep.: 22.25 Oct.: 12.23.29 Nov.: 3.4.6.13.18.20.24.30 Dec.: 2.9.11.15.28 (1932)
Jan.: 11.13.14.18.21.25.26 Feb.: 11.17.18.24

Total No. of Visits 29