

## STEEL STEAMER or MOTORSHIP.

Received at London Office 17 MAY 1935

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

16<sup>th</sup> May 1935Port of *Belfast*No. *11 524*Survey held at *Belfast*

Date First Survey

2<sup>nd</sup> May 1934

Last Survey

11<sup>th</sup> May

1935.

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

*Single Screw Motor Vessel**"ROTHESAY CASTLE"*

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

*Full Scantling*State Type of Erections *Bridge, Forecastle*

TONNAGE under Tonnage Deck...

*2978.57*

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.

*3286.64*

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

*L 420.0*

Launched

*21<sup>st</sup> February 1935*No. *944*

Total

*6265.21*

Breadth (greatest moulded)

*B 61.0*Builders *Messrs Harland & Wolff, Ltd.*

Gross Tonnage

*4016.26*

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

*D 36.75*Owners *Union Castle Mail Steamship Co.,*

Register Tonnage

*4260.18*1st Longitudinal Number (L x D) = *15435*

Managers

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

REGISTERED DIMENSIONS.  
FEET.

Length

*426.5*

Breadth

*61.3*

Depth

*32.5*

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

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

*11.43*Port of Registry *London*

Do. Long Bridge to top of keel

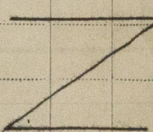
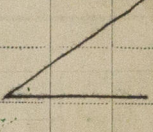
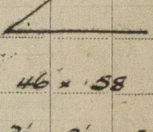
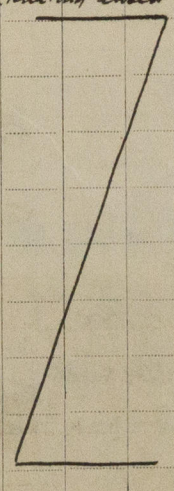
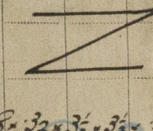
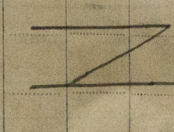
*9.38*

If surveyed while building, afloat, or in dry dock

Draught Moulded

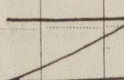
*During construction & in dry dock*

## 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.
<b>FRAMES, Spacing amidships</b>	<i>3 1/2</i>		<b>Bracket Floors, Frame</b>		
" " from 1/3 length to Collision bulkhead	<i>27</i>		" " Reversed Frame		
" " in peaks	<i>24</i>		" " Vertical Struts		
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	<i>46 x 58</i>	
Frame Amidships, Angle, [ or ]	<i>8 x 46 x 3 1/2 x 52</i>		" " top Angles	<i>3 1/2 3 1/2 54</i>	
" " Extends up to	<i>Upper deck &amp; 1/2 Bridge deck alt.</i>		" " bottom Angles	<i>5 5 62</i>	
Reversed Frame Amidships, Angle	<i>✓</i>		<b>Side Girders, No. each side and thickness</b>	<i>2 @ 42</i>	
" " Extends up to	<i>✓</i>		<b>Margin Plate depth (excl. of flange) and thickness</b>	<i>38 x 54</i>	
Depth of Framing Girder	<i>8"</i>		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	<i>3 1/2 3 1/2 46</i>	
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]	<i>✓</i>		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	<i>6 Ships side</i>	
" " Second 'tween Decks, Angle, [ or ]	<i>✓</i>		" " Gussets, spacing and scantling abaft 1/2 len. from stem	<i>Same top extended to form continuous gusset.</i>	
" " Third " " " "	<i>✓</i>		" " Gussets, spacing and scantling forward 1/2 len. from stem	<i>44 x 48</i>	
Framing in Peaks, Angle or [	<i>9 3/8 46</i>		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	<i>44 x 48</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>5 3/4</i>	<i>7 1/2 dia. See after 18/5/35</i>	<b>INNER BOTTOM PLATING.</b>		
State if Frame Joggled	<i>Yes</i>		Breadth and thickness of Middle Line Strake	<i>54 x 52 44</i>	
<b>PANTING ARRANGEMENTS</b> (Sec. 7), state system and particulars	<i>Frames 10 x 44 x 3 1/2 x 52 with 4 x 8 1/2 x 40 rev. ang. to Coll. Deck. Side plating below Coll. dk. 7 x 3 1/2 x 48 angle with 46 intercostal plate in 2 ft. run of alternate beams and stringer on same below Coll. dk. Frames in double bottom 6 x 52 double ruled from 1/4 ft. to Coll. Deck. Bottom plating increased in thickness Intercostal girders spaced 3' 6" aft. Riveting chord as per Rule</i>		Thickness of remainder in Holds	<i>7 1/2 in way Duct Keel 44 x 40</i>	
<b>STRENGTHENING OF BOTTOM FORWARD.</b> State Particulars			Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Runkers and Boiler Room?	<i>Yes</i>	
<b>SINGLE BOTTOM.</b>			<b>BEAMS.</b>		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, [ or ]	<i>8 x 32 x 3 1/2 x 52</i>	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [ or ]	<i>8 x 36 x 3 1/2 x 52</i>	
Middle Line Keelson, on Floors, Angles, [ or ]			Spacing	<i>Every frame</i>	
" " Through Plate or Intercostal Plate			Second Deck, amidships, Angle, [ or ]	<i>8 x 36 x 3 1/2 x 52</i>	
" " Foundation Plate on Floors			Spacing	<i>Every frame</i>	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, [ or ]	<i>8 x 36 x 3 1/2 x 52</i>	
Side Keelsons, No. each side			Spacing	<i>Every frame</i>	
" " thickness of Intercostal Plate			Fourth Deck, amidships, Angle, [ or ]	<i>8 x 36 x 3 1/2 x 52</i>	
" " Angles			Spacing	<i>Every frame</i>	
<b>DOUBLE BOTTOM.</b>			Poop Deck, Angle, [ or ]		
Solid Floors, thickness and spacing	<i>42 on every frame 50 where P.T. Frame joggled</i>		Spacing		
" " Are Frame and Reversed Frame joggled?			Bridge Deck, Angle, [ or ]	<i>8 x 32 x 3 1/2 x 52</i>	
Bracket Floors, breadth and thickness at middle line			Spacing	<i>Every frame</i>	
" " breadth and thickness at margin plate			Forecastle Deck, Angle, [ or ]	<i>7 x 36 x 3 1/2 x 52</i>	
			Spacing	<i>Every frame</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.
<b>PILLARS</b> , No. of Rows.....	<i>Two rows</i>	✓	Stringer Plate, breadth and thickness in way of Bridge .....	<i>48½ x 34</i>	✓
„ in 'tween Decks, Size and Spacing.....	<i>widely spaced</i>	✓	Thickness of Plating abreast Deck openings in way of Wells .....	<i>38 - 30</i>	✓
„ „ „ „ „	<i>as app'd</i>	✓	Thickness of Plating abreast Deck openings in way of Bridge .....	<i>30</i>	✓
„ in Holds „ „			Thickness of Plating within line of openings...	<i>34 in wells</i>	✓
„ „ „ „ „				<i>30 in bridge</i>	✓
<b>Centre Line Bulkhead.</b>			If Sheathed, material and thickness .....	<i>None</i>	✓
Stiffeners and Spacing.....	<i>None</i>	✓	<b>Third Deck.</b>		
Plating, thickness of .....			Stringer Plate, breadth and thickness.....	<i>48½ x 34</i>	✓
<b>STRINGERS AND DECKS.</b>			If Plated, state thickness.....	<i>30</i>	✓
<b>Uppermost Continuous Deck.</b>			<b>Fourth Deck.</b>		
Stringer Plate, breadth and thickness in Wells	<i>61 x 78 to 40 x 44</i>	✓	Stringer Plate, breadth and thickness.....	<i>48½ x 34</i>	✓
„ „ „ „ in way of Bridge	<i>61 x 41</i>	✓	If Plated, state thickness .....	<i>30</i>	✓
„ Angle in Wells .....	<i>6 x 6 x 78 to 5 x 5 x 58</i>	✓	<b>Poop Deck.</b>		
Thickness of Plating abreast Deck openings in way of Wells .....	<i>3½ x 3½ x 44 aft</i>	✓	Stringer Plate, breadth and thickness .....		
Thickness of Plating abreast Deck openings in way of Bridge .....	<i>54</i>	✓	Plating, Sheathing, material and thickness ...		
Thickness of Plating within line of openings...	<i>38</i>	✓	<b>Bridge Deck.</b>		
If Sheathed, material and thickness .....	<i>41 in wells</i>	✓	Stringer Plate, breadth and thickness.....	<i>61 x 52</i>	✓
<b>Second Deck.</b>	<i>34 in bridge</i>	✓	Plating, Sheathing, material and thickness ...	<i>45, 40 bel. of P. Sheathed 2½" P.P.</i>	✓
Stringer Plate, breadth and thickness in Wells...	<i>1½" asphalt in after well</i>	✓	<b>Forecastle Deck.</b>		
	<i>48½ x 42 6 36 x 36</i>	✓	Stringer Plate, breadth and thickness.....	<i>36</i>	✓
			Plating, Sheathing, material and thickness ...	<i>36</i>	✓

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled? <i>No</i>	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.									
FLAT PLATE KEEL .....	<i>60</i>	<i>87</i>	<i>77</i>	<i>77</i>		<i>Double</i>	<i>1</i>	<i>3<sup>5</sup>/<sub>16</sub></i>	<i>4</i>	<i>1</i>	<i>3<sup>3</sup>/<sub>4</sub></i>	<i>Lapped</i>	
„ <del>DECK</del> (if any)		<i>104 in way</i>				<i>„</i>	<i>1<sup>1</sup>/<sub>8</sub></i>	<i>4<sup>1</sup>/<sub>2</sub></i>	<i>4</i>	<i>1<sup>1</sup>/<sub>8</sub></i>	<i>4<sup>1</sup>/<sub>2</sub></i>		
BOTTOM PLATING, No. of Strakes ..... <i>2</i>		<i>69</i>	<i>50 @ stem</i>	<i>50</i>	<i>Increased to 66 @ stem/foot. 76 at bow</i>	<i>„</i>	<i>7</i>	<i>3<sup>1</sup>/<sub>2</sub></i>	<i>4</i>	<i>7</i>	<i>3<sup>1</sup>/<sub>8</sub></i>	<i>„</i>	
BILGE PLATING, No. of Strakes ..... <i>2</i>		<i>69</i>	<i>50</i>	<i>50</i>		<i>„</i>	<i>7</i>	<i>3<sup>1</sup>/<sub>2</sub></i>	<i>4</i>	<i>7</i>	<i>3<sup>1</sup>/<sub>8</sub></i>	<i>„</i>	
SIDE PLATING, No. of Strakes ..... <i>4</i>		<i>66</i>	<i>46</i>	<i>46</i>		<i>„</i>	<i>7</i>	<i>3<sup>1</sup>/<sub>2</sub></i>	<i>3</i>	<i>7</i>	<i>3<sup>1</sup>/<sub>8</sub></i>	<i>„</i>	
UPPER DECK, Sheer-strake in Wells.....	<i>69</i>	<i>78</i>	<i>47</i>	<i>47</i>		<i>„</i>	<i>1</i>	<i>3<sup>5</sup>/<sub>16</sub></i>	<i>4</i>	<i>1</i>	<i>3<sup>1</sup>/<sub>2</sub></i>	<i>„</i>	
UPPER DECK, Sheer-strake in Bridge ...		<i>66</i>				<i>„</i>	<i>7</i>	<i>3<sup>1</sup>/<sub>2</sub></i>	<i>3</i>	<i>7</i>	<i>3<sup>1</sup>/<sub>8</sub></i>	<i>„</i>	
STRAKE BELOW Sheer-strake in Wells.....	<i>69</i>	<i>71</i>	<i>47</i>	<i>47</i>		<i>„</i>	<i>7</i>	<i>3<sup>1</sup>/<sub>2</sub></i>	<i>4</i>	<i>7</i>	<i>3<sup>1</sup>/<sub>8</sub></i>	<i>„</i>	
STRAKE BELOW Sheer-strake in Bridge ...		<i>66</i>				<i>„</i>	<i>7</i>	<i>3<sup>1</sup>/<sub>2</sub></i>	<i>3</i>	<i>7</i>	<i>3<sup>1</sup>/<sub>8</sub></i>	<i>„</i>	
POOP SIDE PLATING .....										<i>5</i>	<i>7</i>	<i>3<sup>1</sup>/<sub>8</sub></i>	<i>„</i>
BRIDGE SIDE PLATING ...		<i>62</i>											
FORECASTLE SIDE PLATING			<i>42</i>			<i>Single</i>	<i>3</i>	<i>3</i>	<i>1</i>	<i>3</i>	<i>2<sup>5</sup>/<sub>8</sub></i>	<i>„</i>	

## WATERTIGHT BULKHEADS.

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)	7	✓					
" Deck next below	✓						
As per Rule	7	✓					

	Plating Thickness.	STIFFENERS.					
		VERTICAL.		HORIZONTAL.			
		Scantlings.	Spacing.	Scantlings.	Spacing.		
MIDSHIP BULKH'D, Upper tween decks (on No. 25 frame)	26	4 1/2 x 3	34 L	30	✓		
" " Second "	30	5 1/2 x 3	32 L	30	✓		
" " Third "	34	6 1/2 x 3	34 L	30	✓		
" " Holds .....	43-38	8 x 3 1/2	36 L	30	✓		
COLLISION " (in Hold) .....	53-36	7 x 3 1/2	44 L	24	✓		
AFTER PEAK " " .....	43-36	6 x 3	36 L	25 1/2	✓	Below bulkh. do App.	

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....	Flat Plate Keel			
STEM .....	Roller	MS. 15 x 12 x 1/2	Colvilles Ltd	
STERN FRAME { Propeller Post .....	Cast Steel		Wm Beardmore & Co. Ltd.	
{ Rudder " .....	do			
RUDDER—A x D .....	800			
Speed of Vessel .....	16 knots			
Rudder Stock .....	Forged Steel 13 1/2 dia		Wm Beardmore & Co. Ltd.	
RUDDER mainpiece at head ...	Cast Steel		do.	
" " heel ...	do		do.	
" how constructed .....	Cast steel frame with double side plates			
" double or single plate .....				
" coupling, vertical or horizontal .....	Vertical			

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
	Colvilles Ltd, Steel Company of Scotland, Lanarkshire Steel Co., Appleby & Roddingham Steel 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.)

Sister Vessel: "ROSLIN CASTLE", Belfast Report N<sup>o</sup> 11516.

A plan of Midship Section as built was forwarded with the above report.

The following forging or casting reports are forwarded herewith, viz,

- ✓ Stem Frame
- ✓ Rudder Frame
- ✓ Rudder Stock
- ✓ Tiller
- ✓ Forepost.

An Interim Certificate (B) has been issued to the Master, see copy attached.

The following approved plans are forwarded with this Report:—

- ✓ Midship Section
- ✓ Framing & Bulkhead Profile
- ✓ Decks
- ✓ Orlop Deck in way of N<sup>o</sup> 4 Hold
- ✓ Pillars & Girders
- ✓ Stem frame & Rudder
- ✓ Ballast Tank scabbings in Motor Room
- ✓ After Body Pillars & Girders
- ✓ Midship Oil Fuel Bunkers
- ✓ Strengthening of Bottom Forward
- ✓ Fore End float, Lifting Arrangements & Chain Locker
- ✓ After Oil Fuel Tanks
- ✓ Pumping Plan
- ✓ Hatch Mole
- ✓ O.F. Tank scumming and oil overflow arrangements
- ✓ Channel Pillars in Motor Room
- ✓ Bridge Front & End Bulkheads.
- ✓ After Peak Bulkhead.

LB.

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

	1st Bower	2nd "	3rd "
	39.0.15 RL 3740 21.2.34 (wt. of Head including pin 43.1.1)	38.1.17 TMel 4791 24.10.34 - - - 42.2.3	39.3.19 TMel 3757 1.3.34 - - - 44.0.2

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop \* ft., R.Q.D. = ft., Bridge 128.6 ft., Forecastle 45.0 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) 4 dea (old)

Official No. 164453 ; Signal Letters Is bottom of Vessel coated with cement No if not give particulars of composition None (Double bottom tanks arranged for O.F. & waterballast)

**PARTICULARS OF WATER BALLAST.—**

Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft, <i>Frames 64a to 22a</i>	<i>110.2</i>	<i>479</i>	Fore peak tank, <i>Frame 75f to stem</i>	<i>25.0</i>	<i>54</i>
Double bottom, under Engines and Boilers, <i>22a to 1f</i>	<i>57.8</i>	<i>367</i>	After peak tank, " <i>75a to 82a</i>	<i>18.6</i>	<i>128</i>
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward, <i>2f to 75f</i>	<i>181.5</i>	<i>475</i>	Other tanks, if fitted, <i>O.F. Bunkers 17a to 21a</i>	<i>10.5</i>	<i>255</i>
Total capacity of double bottom		<i>1321</i>	(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. 8446

Date 7<sup>th</sup> May 1934

Dates of Surveys held while building

1934  
May 2.14.17 June 7.12.16.19.20.21.30. Aug 7.13.20.30 Sept 14 Oct 8.12.16.19.22.23.30 Nov 1.6.8  
14.16.29 Dec 5.8.10.13.17.19.28.31 1935 Jan 1.3.7.14.16.18.21.22.24 Feb 6.8.11.12.13.14.15  
16.18.19.20.21.25.27 Mar 5.6.8.14.19.27 Apr 3.9.11.13.26 May 2.7.10.11

Total No. of Visits 74