

STEEL STEAMER OR MOTORSHIP.

Received at London Office

No. 1115 1934

State if Report has been sent on the Freeboard of the Vessel *No*State if Report is sent on the Machinery of the Vessel *Yes*

Date of completion of report

Port of

No. 104171

Survey held at

*Birkenhead*Date First Survey *January 31st 1934*Last Survey *July 12th 1934*

1934

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

Twin Screw Ferry Steamer "ROYAL DAFFODIL II"

State Type

(Full scantling, Complete Superstructure with or without Tonnage Openings)

State Type of Erections

TONNAGE under Tonnage Deck

*579.11*CLASS *100 A.I. For*

State if with freeboard as condition of Class

No

Built at

Birkenhead

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

12.10

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

L *156.5*

Launched

*30th April 1934*Yard No. *999*

Total

Gross Tonnage

591.21

Register Tonnage

215.89

REGISTERED DIMENSIONS. FEET.

Length

151.91

Breadth

46.15

Depth

13.40

Breadth (greatest moulded)

B *46.0*

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

D *13.42*

1st Longitudinal Number (L x D)

= *2100*

2nd Numeral L x (B + D)

= *9300*

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

11.65

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

11.65

Draught Moulded

*13.5*Builders *Tessons, Cammell Laird & Co. Ltd.*Owners *The Mayor, Aldermen & Burgesses of the Borough of Wallasey.*

Managers

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.
FRAMES, Spacing amidships	<i>24</i>	<i>✓</i>	Bracket Floors, Frame		
" " from $\frac{3}{8}$ length to Collision bulkhead	<i>✓</i>		" " Reversed Frame		
" " in peaks	<i>✓</i>		" " Vertical Struts		
DE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, <i>E-E</i>	<i>5 1/2 3 44</i>	<i>✓</i>	" " top Angles		
" " Extends up to <i>Main Deck</i>			" " bottom Angles	<i>0.2</i>	<i>0.4</i>
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness		
" " Extends up to <i>E</i>	<i>4 1/2</i>	<i>✓</i>	Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder	<i>5 1/2</i>	<i>✓</i>	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem	<i>0.2</i>	<i>0.4</i>
Frames in Uppermost Continuous 'tween Decks, Angle, <i>E</i> or <i>F</i>	<i>E</i>	<i>✓</i>	" " Vertical Angle to Tank side Bracket forward $\frac{1}{2}$ len. from stem	<i>0.2</i>	<i>0.4</i>
" " Second 'tween Decks, Angle, <i>E</i> or <i>F</i>	<i>E</i>	<i>✓</i>	" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	<i>0.2</i>	<i>0.4</i>
" " Third " " " "	<i>E</i>	<i>✓</i>	" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem	<i>0.2</i>	<i>0.4</i>
Framing in Peaks, Angle <i>E-E</i>	<i>R.P. 4x3x.56</i>	<i>✓</i>	Tank Side Brackets, height above base line at top of Frame and thickness	<i>0.2</i>	<i>0.4</i>
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>A.P. 6x2x.40 B.A.</i>	<i>✓</i>	INNER BOTTOM PLATING.		
State if Frame Joggled	<i>Yes.</i>	<i>✓</i>	Breadth and thickness of Middle Line Strake		
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars			Thickness of remainder in Holds		
STRENGTHENING OF BOTTOM FORWARD. State Particulars			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?		
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	<i>12 x .40</i>	<i>✓</i>	Uppermost Continuous Deck, amidships	<i>4 3 .306 A. in way of</i>	<i>✓</i>
Height of Brackets at side above base line at toe of frame	<i>8 x 3 1/2 x .40 DOUBLE L'S E.S.</i>	<i>✓</i>	" " in way of Bridge, Angle, <i>E</i> or <i>F</i>	<i>6 3 .36</i>	<i>✓</i>
Middle Line Keelson, on Floors, Angle, <i>E</i> or <i>F</i>	<i>12 x 6 x .40 1015T I</i>	<i>✓</i>	Spacing	<i>7 3 .40</i>	<i>✓</i>
" " Through Plate	<i>82 x 3 1/2 x .57 160 J in B.S.</i>	<i>✓</i>	Second Deck, amidships, Angle, <i>E</i> or <i>F</i>		
" " Intercoastal Plate	<i>12 x .38</i>	<i>✓</i>	Spacing		
" " Foundation Plate on Floors	<i>3 x 3 x .40</i>	<i>✓</i>	Third Deck, amidships, Angle, <i>E</i> or <i>F</i>		
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side	<i>one in B.S. only</i>	<i>✓</i>	Fourth Deck, amidships, Angle, <i>E</i> or <i>F</i>		
" " thickness of Intercoastal Plate	<i>12 x 3 1/2 x 3 1/2 x .57 160</i>	<i>✓</i>	Spacing		
" " Angles <i>I Joist on top of 8 x 6 x .44</i>		<i>✓</i>	Poop Deck, Angle, <i>E</i> or <i>F</i>		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing			Bridge Deck, Angle, <i>E</i> or <i>F</i>		
" " Are Frame and Reversed Frame joggled?			Spacing		
Bracket Floors, breadth and thickness at middle line			Forecastle Deck, Angle, <i>E</i> or <i>F</i>		
" " breadth and thickness at margin plate			Spacing		

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..... <i>1 P x 15</i>			Stringer Plate, breadth and thickness in way of Bridge	✓	
„ in 'tween Decks, Size and Spacing.....	✓		Thickness of Plating abreast Deck openings in way of Wells	✓	
„ „ „ „ <i>ROYAL DAFODIL II</i>	✓		Thickness of Plating abreast Deck openings in way of Bridge	✓	
„ in Holds „ „ <i>2 1/2 DIA. x .25 SPACED 48</i>			Thickness of Plating within line of openings...	✓	
„ „ „ „ <i>3 DIA. x 5/16 SPACED 48</i>			If Sheathed, material and thickness	✓	
Centre Line Bulkhead			Third Deck.		
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of	✓		If Plated, state thickness.....	✓	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells <i>68 x .34</i>			If Plated, state thickness	✓	
„ „ „ „ in way of Bridge	✓		Poop Deck.		
„ Angle in Wells	<i>4 3 .34</i>		Stringer Plate, breadth and thickness	✓	
Thickness of Plating abreast Deck openings in way of Wells	<i>.25</i>		Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings in way of Bridge	✓		Bridge Deck.		
Thickness of Plating within line of openings... <i>.25--20</i>			Stringer Plate, breadth and thickness.....	✓	
If Sheathed, material and thickness	<i>5 x 3 Teak</i>		Plating, Sheathing, material and thickness ...	✓	
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	✓		Stringer Plate, breadth and thickness.....	✓	
			Plating, Sheathing, material and thickness ...	✓	

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.	STRAPPED OR LAPPED.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	RIVETS.			NO. OF ROWS OF RIVETS.	RIVETS.		
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.				Diam.	Spacing cr. to cr.	Diam.
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	40	.50	.50	.36	✓	Double	3/4	3	3R.	3/4	3 1/8	Strapped	
„ DBLG. (if any)	47 1/2												
BOTTOM PLATING, No. of of Strakes . 4 A B C	60	.32	.28	.28	✓	Single	3/4	3	2R.	3/4	2 5/8	Lapped.	
BILGE PLATING, No. of Strakes 1 E	50	.32	.28	.28	✓	Single & Double	3/4	3	2R.	3/4	2 5/8	Do	
SIDE PLATING, No. of Strakes 1 F	60	.32	.28	.28	✓	Single & Double	3/4	3	2R.	3/4	2 5/8	Do	
UPPER DECK, Sheer- strake in Wells.....	30 1/2	.46	.36	.38	✓	Double	3/4	3	3R.	3/4	2 5/8	Do	
UPPER DECK, Sheer- strake in Bridge ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
STRAKE BELOW Sheer- strake in Wells.....	53	.42	.36	.36	✓	Double	3/4	3	3R.	3/4	2 5/8	Lapped.	
STRAKE BELOW Sheer- strake in Bridge ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
POOP SIDE PLATING	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
BRIDGE SIDE PLATING ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
FORECASTLE SIDE PLATING	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		Plating Thickness.		STIFFENERS.				Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
Extending to Upper Deck (Sec. 3 c)				VERTICAL.		HORIZONTAL.					
Deck next below				Scantlings.	Spacing.	Scantlings.	Spacing.				
As per Rule											
MIDSHIP BULKHD,	Upper tween decks	✓	✓	✓	✓	✓	✓				
"	Second "	✓	✓	✓	✓	✓	✓				
"	Third 37.F.R.	✓	✓	✓	✓	✓	✓				
"	Holds ... 63.F.R.	✓	✓	✓	✓	✓	✓				
COLLISION	(in Hold)	✓	✓	✓	✓	✓	✓				
AFTER PEAK	"	✓	✓	✓	✓	✓	✓				

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *S. M. Special Weather*
Dorman Long Co. Ltd., Consett Iron Co., Fordingham Iron & Steel Co., Cargo Fleet Iron Co. Ltd., The British Iron & Steel Co. Ltd., Colvilles Ltd., Steel Co. of Scotland, Skinningrove Iron Co. Ltd., The Lomax & Sons Steel Co. Ltd.,
 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.)

The following approved plans are forwarded herewith:-

1. Midship Section.
2. Raising Profile.
3. Constructional deck Plans.
4. Shaft Brackets (alt.)
5. Main Machinery Seats
6. Lin Casting.
7. Shaft Brackets
- 8/9. Details of Scuttles (2 plans).
10. Aft End framing.
11. Aft Peak Bulkhead & Shaft Tunnel.
12. Bulkhead Scantlings.
- 13/17. Helmer Rudder (S-Plans).

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)

100 (pt. steel - tank 5)

Official No. 162406 Signal Letters

Is bottom of Vessel coated with cement ☒ ho if not give

particulars of composition *Bituminous Solution and Bituminous Cement.*

PARTICULARS OF WATER BALLAST.—

PARTICULARS OF WATER CAPACITY.				Water Capacity.	
Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
	Feet.			Tons.	
Double bottom, aft,	✓	✓	Fore peak tank,	✓	117 5/8
Double bottom, under Engines and Boilers,	✓	✓	After peak tank, <i>Wing Tanks</i>	✓	37.6
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	✓	43.6
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	✓	16.4
Double bottom, forward,	✓	✓	Other tanks, if fitted, <i>2nd Tank @ centre</i>	✓	✓
Total capacity of double bottom			(If necessary, furnish further information by sketch.)		
*The wells are not to be included in the lengths of tanks.					

Order for Special Survey No. 1278.

Date

21/1/1934.

Dates of Surveys held while building

Jan 31, Feb 6, 13, 15, 19, 21, 23, 27, Mar 5, 8, 12, 19, 28, 29, 30, June 1, 4, 8, 15, 18, 19, 20, 26, 29, July 5, 6, 7, 11, 12.

1, 2, 3, 6, 12, 13, 17, 20, 24, 25, 26, May 3, 4, 8, 9, 10, 11, 12, 15, 16, 17, 18, 22, 23, 24, 25.

Lloyd's Register Foundation
Total No. of Visits 56.