

STEEL ~~STEAMER~~ MOTORSHIP.

HARVEY

JUL 12 1939

Received at London Office

143/1939

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*

WRECK SECTION

No. 237

Date of completion of report

10.7.39

Port of

Glasgow.

No. 61311

Survey held at

DUMBARTON

Date First Survey

25th Apr 1938

Last Survey

27th June

1939.

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

TWIN SCREW MOTORSHIP

PRINCESS VICTORIA.

(Machinery amidships)

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

Complete superstructure.

State Type of Erections

Promenade deck full length of vessel.

TONNAGE under Tonnage Deck...

1350.53

CLASS A with freeboard (State if with freeboard) corresponding to an all 'is condition of class

Yes

Built at Dumbarton.

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

846.24

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

L 305.6

Launched 21st April 1939 Yard No. 1333.

Total

2196.77

Breadth (greatest moulded) B 48.0

Builders William Denny & Bros. Ltd.

Gross Tonnage

2196.77

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

D 16.5

Owners London, Midland & Scottish

Register Tonnage

1032.27

1st Longitudinal Number (L x D) =

=

Managers Railway Co. Ltd.

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

2nd Numeral L x (B + D) =

=

Residence London

REGISTERED DIMENSIONS.

FEET.

Length

309.8

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

=

Port of Registry Stranraer.

Breadth

48.15

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

=

If surveyed while building, afloat, or in dry dock

Depth

13.00

Do. Long Bridge to top of keel

=

all.

Draught Moulded 11.45'

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	24	✓	Bracket Floors, Frame		
" " from 1/2 length amidships to Collision bulkhead	24	✓	" " Reversed Frame		
" " in peaks	24	✓	" " Vertical Stairs		
IDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, E or F (Mark space) 8 3 35 } 8 x 3 x 32 BA			" " top Angles		
" " Extends up to (Mark space) 6 3 30 } 6 x 3 x 30 BA			" " bottom Angles		
" " (elsewhere) 6 3 30 } 6 x 3 x 30 BA			Side Girders, No. each side and thickness		
Reversed Frame Amidships, Angle 3 3 34			Margin Plate depth (excl. of flange) and thickness		
" " Extends up to across floors			" " Vertical Angle to Tank side		
Depth of Framing Girder 8" x 6"			Bracket abaft 1/2 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, E or F (Mark space) 6 3 28 } 6 x 3 x 28 BA			" " Vertical Angle to Tank side		
" " (elsewhere) 6 3 30 } 6 x 3 x 30 BA			Bracket from forward 1/2 len. from stem to Panting Area		
Second 'tween Decks, Angle, E or F (Mark space) 6 3 30 } 6 x 3 x 30 BA			Gussets, spacing and scantling abaft 1/2 len. from stem		
" " alternately			" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		
Third			Tank Side Brackets, height above base line at toe of Frame and thickness		
" from 1/2 len. for'd. to 15% len. from Stem	6 3 30	✓	INNER BOTTOM PLATING.		
" in Peaks, Angle or F	6 3 30	✓	Breadth and thickness of Middle Line Strake		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 5 1/2	✓	Thickness of remainder in Holds		
State if Frame Joggled	Yes	✓	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 2		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	See plan	✓	BEAMS. Promenade		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	See plan	✓	Uppermost Continuous Deck, amidships		
INGLE BOTTOM.			" " in Wells, Angle, E or F	5 2 1/2 25	5 x 2 1/2 x 24 BA.
Floors, Depth and thickness at mid-line in Holds	19 34 30	✓	" " in way of Bridge, Angle, E or F		
Height of Brackets at side above base line at toe of frame	40	✓	Spacing	24	✓
Middle Line Keelson, on Floors, Angles, E or F (Mark space) 4 3 1/2 38			Main Second Deck, amidships, Angle, E or F	7 3 40	7 x 3 x 33 BA.
" " Through Plate or Intercoastal Plate	34 28	✓	Spacing	24	✓
" " Foundation Plate on Floors	40	✓	Lower (clear of masts space only) See	5 2 1/2 26	✓
" " Flat Plate Keel Angles	3 3 30	✓	Third Deck, amidships, Angle, E or F (Mark space) 6 3 34		✓
Side Keelsons, No. each side	4 2 1/2 28	✓	Spacing	24	✓
" " thickness of Intercoastal Plate	28	✓	Fourth Deck, amidships, Angle, E or F		
" " Angles	3 2 1/2 28	✓	Spacing		
DOUBLE BOTTOM.			Bridge Deck, Angle, E or F		
Solid Floors, thickness and spacing			Spacing		
" " Are Frame and Reversed Frame joggled?			Forecastle Deck, Angle, E or F		
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate					

W285-0114(112)

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Lloyd's Register Foundation

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>See plan</i>			Stringer Plate, breadth and thickness in way of Bridge			
„ in 'tween Decks, Size and Spacing.....	<i>See plan</i>			Thickness of Plating abreast Deck openings in way of Wells32	✓	.28.
„ „ „ „ „				Thickness of Plating abreast Deck openings in way of Bridge			
„ in Holds „ „	<i>3 1/2</i>	<i>10'-0"</i>	✓	Thickness of Plating within line of openings...	.32	✓	.28.
„ „ „ „ „				If Sheathed, material and thickness			
Centre Line Bulkhead:				<i>Lower</i>			
Stiffeners and Spacing.....				Third Deck (<i>clear of masts, space only</i>)			
Plating, thickness of				Stringer Plate, breadth and thickness.....	.24-20	✓	
STRINGERS AND DECKS. Promenade				If Plated, state thickness.....	.24-20	✓	
Uppermost Continuous Deck.				Fourth Deck.			
Stringer Plate, breadth and thickness in Well	<i>54</i>	<i>38-24</i>	<i>48 x 38</i>	Stringer Plate, breadth and thickness.....			
„ „ „ „ in way of Bridge				If Plated, state thickness			
„ Angle in Wells	<i>3</i>	<i>3</i>	<i>38/24</i>	Poop Deck			
Thickness of Plating abreast Deck openings in way of Wells				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...				Bridge Deck.			
If Sheathed, material and thickness				Stringer Plate, breadth and thickness.....			
<i>MAIN</i>				Plating, Sheathing, material and thickness			
Second Deck.				Forecastle Deck			
Stringer Plate, breadth and thickness in Wells...	<i>53</i>	<i>32.</i>	<i>48 x 30.</i>	Stringer Plate, breadth and thickness.....			
				Plating, Sheathing, material and thickness			

SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to ^{MAIN} Upper Deck (Sec. 3 c)	6
„ Deck next below	3 (4 3 lower to main);
As per Rule	5 ✓

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar				
STEM Sea... <i>bow rudder plan</i> <i>Forging</i> <i>6 x 2</i> ✓				
STERN FRAME { Propeller Post		<i>See plan</i>	<i>W. Beardmore & Co. Ld.</i>	
HEEL piece { Rudder "	<i>Casting</i>			
Speed of Vessel <i>19 knots</i> ✓				
RUDDER—Type <i>balanced</i> <i>Casting</i> ✓				
" <i>A x D</i> <i>area</i>		<i>See plan</i>	<i>W. Beardmore & Co. Ld.</i>	
" Diam. of head <i>at bearings</i>		<i>65 lb</i>	<i>W. Beardmore & Co. Ld.</i>	
" <i>Do. stock</i>		<i>7" ✓</i>		
" Main piece at top pintle		<i>12 1/2 x 11 1/2" ✓</i>		
" " heel ...				
" how constructed	<i>Casting</i>	<i>See plan</i> ✓		
" double or single plate coupling, vertical or horizontal				

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
	Lower to Main D ^k .		B.A.			
MIDSHIP BULK'D,	Upper between decks	.19.	4 x 2 1/2 x 24	30"		
"	Second "					
"	Third "					
"	{ To L ^k . D ^k . Holds. 93..	.28.	4 x 2 1/2 x 36	22 1/2"	lower deck.	
"	L ^k . D ^k . to Main D ^k .	.19.	4 x 30 ft. O.A.	24"		
COLLISION to L ^k . D ^k .	(in Hold) 149..	.26.	4 x 2 1/2 x 30	24"	lower deck.	
		.36.	O.A.			
AFTER PEAK	... 5...	.26.	5 x 2 1/2 x 30	24.		

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

FEEL.

Scotland Ltd.

open hearth.

Has the Steel been tested as required by the Rules? Yes.

HAWSERS AND WARPS.

Builder's Signature Harvey G. Benson DIRECTOR

W285-0114(212)

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.)

Plans. (22 in N^o)

1. Midship Section. Midship section as built forwarded in advance.
2. Profile and deck plans.
- 3 & 3a. Cross frames (Sheets 1 + 2)
4. Pillars & girders.
5. W.T. bulkheads, tunnels and oil fuel tanks.
6. Rudder and keel piece.
- 7 & 7a. Girders and strong beams supporting promenade deck.
- 8 & 8a. Shell doors.
9. Engine girders and side keelsons.
10. Casings on promenade deck.
11. Cargo hatch do. do.
12. Steel masts.
13. Bilge and ballast arrangements outside of machinery space. 13A. Diagrammatic pumping plan.
14. Amended size of lower deck beams.
15. Stem and bow rudder.
16. Propeller brackets.
17. 17A. Rudder crosshead. General arrangement of steering gear.

Forging reports. (7 in N^o) Rudder stock, Rudder frame, propeller brackets, tiller cross-head, stem tubes, bow rudder, bow rudder arms etc.

PARTICULARS OF ELECTRIC WELDING (if employed). Main deck stringer to shell. Lower deck stringer to shell. Bilge keel to shell. W.T. Bulkheads; plate + stiffeners and bulkhead flange of boundary bars.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book "A" with freeboard for "High Channel Service". Oil engine. Cargo battens not fitted. Wireless. Cruiser stern. 2 Dks (2nd Dk clear of machinery space). P D.F. E.S.D. Promenade dk. Oil fuel.

		N ^o of Statutory Certificate	Weight.	Surveyor	N ^o of Cert ^o	Date of test.		
Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	97608.	22-2-9.	J.F.R.	2938.	22-10-37.		
	2nd "	97609.	22-2-24.	J.F.R.	2983.	29-10-37.		
	3rd "							

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., Bridge 290.5 ft., Forecastle 27.5 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated Combined poop & bridge.

Official No. 134674. Signal Letters G. S. G. K. Extreme Breadth over Belting 50.16' Over-all Length 322.8'.

No. and Material of Decks 10k (steel). Prom. dk (steel) W.S. 2nd Dk clear of machinery space.

Parts of Bottom of Vessel coated with cement or approved composition Cement

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,	14.0	20.8
Double bottom, under Engines and Boilers,			After peak tank,	20.0	119.3
Double bottom, if under Engines only,			Deep tank, aft, 2 (I.P. 415)	16.0	42.3
Double bottom, if under Boilers only,			Deep tank, forward,	14.0	81.3
Double bottom, forward,			Other tanks, if fitted, Oil fuel for 4 of E.R. (115)	20.0	84.5
Total length (if continuous) and Capacity			(If necessary, furnish further information by sketch.) Fresh water tanks in tunnel.	38.0	48.5
					439.0 Tons.

Order for Special Survey No. 6404

Date 4: 3: 38

Dates of Surveys held while building

1938 Apr: 25-29 May: 10-12 June: 7-13-17-22 July: 1-5-10 Aug: 3-11-18-23-25-30
Sep: 8-13-15-20-23-29-30 Oct: 4-6-11-13-17-21-27-31 Nov: 2-4-9-10-15-17-22-29-30
Dec: 8-12-16-20-23-28 (1939) Jan: 10-18-24-27-30 Feb: 3-16-22-28 Mar: 13-21-29 Apr: 6-11-19-21-27 May: 3-17-25 June: 2-6-13-19-22-23-24-27

Total No. of Visits 75