

28231
Rpt. 11b.
E.T. Lon. 11/7/32

Verification Report.

Index No. 30367
(For London Office only.)

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.-STEAM SHIPS.

EXC
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EXC

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey Belfast
Date of Survey Building 22nd May 1922
Name of Surveyor S. O. Kendall

Ship's Name <u>S.S. "DIOGENES"</u>	Port of Registry and Nationality. <u>Aberdeen</u> <u>British</u>	Official Number. <u>144814</u>	Gross Tonnage.	Date of Build. <u>1922-</u>	Particulars of Classification. <u>+ 100 A.I. Shelter Deck with freeboard (contemplated)</u>
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH. <u>500.4</u>	BREADTH. <u>63.25</u>	DEPTH. <u>39.65</u>	UNDER DECK TONNAGE. <u>10,195.87</u>
Length on LOADLINE.	<u>499.2</u>	Frame Depth 9 Rule <u>7/2</u>	Ceiling <u>+20</u> Sheer <u>+52</u>	Peak Tanks } <u>Incl.</u> <u>Cruiser stem</u> <u>-70 tons</u>
CORRECTED DIMENSIONS.	<u>499.2</u>	<u>62.92</u>	<u>40.37</u>	<u>10125.87</u>

Moulded Depth as measured..... 42'-9"
Addition for Keel below base line for draught record..... 3" inches.

NOTE - If the depth is measured when vessel is afloat, the details of measurement should be reported.

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>499.2</u>
Length in Table	<u>513.0</u>
Difference	<u>13.8</u>
Correction for 10ft., Table A.	<u>1.7</u>
× Difference divided by 10	<u>2.34</u>
If 1/10ths length covered divide by 2	<u>-2 1/4"</u>

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered	<u>.538</u>
Thickness of usual wood deck, less stringer	<u>3 1/2"</u>
<u>2" Litoilo fitted on steel deck</u>	<u>-3/4"</u>

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>62.0</u>
Round of Beam	<u>12</u>
Normal round.....	<u>15.5</u>
Difference	<u>3.5</u>
÷ 2 =	<u>1.75</u>
Proportion of Deck uncovered (Para. 19)	<u>.458</u>
	<u>+ 3/4"</u>

NOTE - The round of beam should be reported on the full breadth of vessel at the gunwale.

Co-efficient of fineness..... .80
Any modification necessary } C.D.B.
[Para. 4 (a) to (e)]*
Co-efficient as corrected78

Sheer { Stem..... 114 } 159 ÷ 2 = 79.5 ... Mean 18.71/36 = .52
at { Sternpost ... 45 }

Sheer at 1/2 of the length from { Stem 62.5 } 86.5 ÷ 2 = 43.25 ... Mean
{ Sternpost 24.0 } ÷ .55 = 78.63

Gradual mean Sheer 78.63
Standard mean Sheer [Table, Para. 18] 59.92 Correction
Difference..... 18.71 ÷ 4 = 4.68
§ If limited as Para. 18 (f) -4 3/4"

Rise in Sheer { At front of bridge house.....
from amidships }
[Para. 18 (e)] { At after end of forecastle ✓

Fall in Sheer } ÷ 2 =
Para. 18 (d) }
Length uncovered ✓ Correction

Freeboard, Table A	<u>12'-7"</u>
Correction for Sheer	<u>- 4 3/4</u>
	<u>12-2 1/4</u>
Correction for Length	<u>- 2 1/4</u>
	<u>12-0</u>
Allowance for Deck Erections	<u>- 11 1/2</u>
	<u>11-0 1/2</u>
Correction for Round of Beam.....	<u>+ 3/4</u>
	<u>11-1 1/4</u>
Correction for fall in Sheer (if any).....	✓
Correction for <u>2" Litoilo on</u> Iron Deck (if required)	<u>- 3/4</u>
	<u>11-0 1/2</u>
Additions for non-compliance with provisions of } Para. 11 (d) and (e) † } Other Corrections (if any)	

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C.....	<u>12.7" less 3.3"</u>	<u>9.4</u>
Correction for Length, if required (Para. 12, 13, and 14)		<u>- 1</u>
		<u>9-3</u>
Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14)		<u>12-0</u>
Difference		<u>2-9</u>
Percentage as below.....		<u>35.04%</u>
		<u>11.56</u>

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }
Allowance for Deck Erections -11 1/2"

	Length.	Length allowed.	Height.
Forecastle.....	<u>86.7</u>	<u>86.0</u>	<u>8'-0"</u>
Bridge House	<u>149.9</u>	<u>148.7</u>	<u>8'-6"</u>
† Raised Qr. Dk.....			
Poop.....	<u>34.0</u>	<u>34.0</u>	<u>8'-0"</u>
Total	<u>270.6</u>	<u>268.7</u>	
Length of Ship	<u>499.2</u>	<u>499.2</u>	<u>= .538</u>
Corresponding percentage (Para. 11, 12, 13, or 14) }	<u>35.04%</u>		

Winter Freeboard	<u>11'-0 1/2"</u>
Summer Freeboard	<u>8"</u>
Indian Summer Freeboard	<u>9-8 1/2</u>
<u>N.A. Winter Freeboard</u>	✓
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the <u>2" Litoilo on</u> iron deck with side. }	<u>+ 1"</u>

Winter Freeboard from deck line	<u>11-1 1/2"</u>
Summer " " " "	<u>10-5 1/2</u>
Indian Summer " " " "	<u>9-9 1/2</u>
<u>N.A. Winter</u> " " " "	✓
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the <u>2" Litoilo on</u> steel shelter Deck :-	<u>10-5 1/2" As Cargo Vessel.</u>

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, 24 5. 22"

Fresh Water Line	above centre of Disc	...
Indian Summer Line	" " "	...
Winter Line	below " "	...
<u>Winter North Atlantic Line</u>	" " "	...

RECEIVED 30 AUG 1928
Subdivision loadline to be marked at 2-7 below centre of disc to correspond to a moulded draft of 30'-0"

MARKING FOR
The Surveyor should state whether the fall in sheer as reported is measured relatively to the straight line of keel or to the water line. If measured to the water line, the water line should be clearly marked on the survey and also the result of the measurement should be reported.
RECEIVED 30 NOV 1922
MARKING REPORT
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Do all the Frames extend to the top height in the Poop? _____ Raised Quarter Deck? _____ Bridge House? _____ Forecastle? _____

To what height do the Reverse Frames extend? _____

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? _____

Give particulars of the means for closing the openings in Bulkhead _____

Is the Poop or Raised Quarter Deck connected with the Bridge House? _____ Has the Bridge House an efficient Bulkhead at the fore end? _____

Give particulars of the means for closing the openings in Bulkhead _____

What is the thickness of the Bridge Front plating? _____ and Coaming plate? _____

Give scantlings and spacing of the Stiffeners _____

Are bracket plates fitted at each end of the Stiffeners? _____ Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? _____

Has the Bridge House an efficient Iron Bulkhead at the after end? _____

How are the openings closed? _____

Is the Forecastle at least as high as the main or top-gallant rail? _____ Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? _____

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? _____

If the openings are not so protected are the exposed parts of the Casings efficiently constructed? _____

Give thickness of plating; scantlings and spacing of Stiffeners _____

What is the height of the exposed Casings? _____ Are suitable means provided for closing all openings in them in bad weather? _____

Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below:—

Position and Size.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.	
Item.													
COAMING	Height above top of DECK												
	Thickness	Sides											
		Ends											
SHIFTING BEAMS OR WEB PLATES	Number												
	Section and Scantlings												
	Material												
* FORE AND AFTERS	Number												
	Section and Scantlings												
	Material												
HATCHES	Thickness												
Remarks		See attached Report											

* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

(If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.

What is the thickness of the Bridge Sheerstrake? _____ Strake between Main and Bridge Sheerstrakes? _____

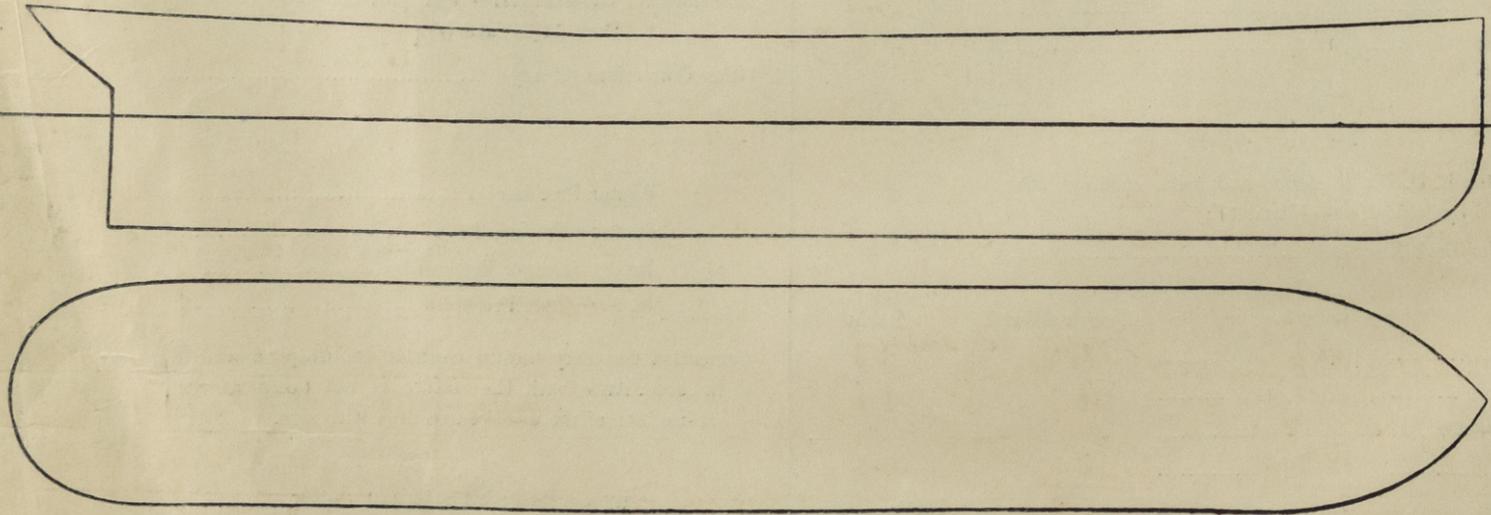
Delete the words { The Crew are, are not, berthed in the bridge house.
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well _____

Area of Freeing Ports required by Para. 11 (e) each side of vessel = _____ Sq. ft.

Ft.	Tenths.	Ft.	Tenths.	No.	} Freeing Ports (each side of vessel)	=	Sq. ft.
	x		x				
	x		x				

Total deficiency or excess = _____ Sq. ft.



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel _____

Owners _____

Address _____

Fee £ _____

Received by me _____



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