

EXT. *don*  
11/7/32

N<sup>o</sup> 12763.

Index No. *30076*  
(For London Office only.)

MUN. JUL. 18 1921

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Particulars relating to all steam ships either flush decked, or with  
pallant 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 *Aberdeen.*

Date of Survey *while building.*

Name of Surveyor *J. Richardson.*

**B.T. COPY WRITTEN.**

Ship's Name  
**ORIOLE.**

JOHN LEWIS & SONS L<sup>rs</sup> N<sup>o</sup> 72.  
Number in Register Book

Port of Registry  
and Nationality.

*London.*  
*British.*

Official  
Number.

*146067*

Gross  
Tonnage.

*488.43*

Date of Build.

*1921.*

Particulars of Classification.

*100. A.1. (CONTEMPLATED.)*

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<i>160.2.</i>	<i>25.2.</i>	<i>9.7.</i> TO TANK 9.75	<i>316.14.</i>
Length on LOADLINE.	<i>160.25.</i>	Frame Depth <i>42</i> Rule " <i>3</i> <i>12</i>	Ceiling <i>20</i> Sheer + <i>91</i> Tanks	INCLUDED.
CORRECTED DIMENSIONS.	<i>160.25.</i>	<i>24.95.</i>	<i>10.86.</i>	<i>316.14.</i>

Co-efficient of fineness..... *74*  
Any modification necessary { *cellular Double Bottom* = -02.  
[Para. 4 (a) to (e)]\*  
Co-efficient as corrected ..... *72* = -70.

Sheer { Stem..... *69"*  
at { Sternpost ... *45"* }  $114 \div 2 = 57$  ... Mean *57*  
Sheer at  $\frac{1}{2}$  of the length from { Stem *41"*  
Sternpost *24"* }  $65 \div 2 = 32.5$  ... Mean *32.5*  
Gradual mean Sheer *allowed* ..... *58.04*  
Standard mean Sheer [Table, Para. 18] ..... *26.08* Correction  
Difference..... *32.06*  $4 = 8.01$   
§ If limited as Para. 18 (f) ..... = -8"

Rise in Sheer { At front of bridge house..... *7 1/2"*  
from amidships {  
[Para. 18 (e)] { At after end of forecastle ..... *36"*  
Fall in Sheer {  
Para. 18 (d) {  $\div 2 =$  .....  
Length uncovered ..... Correction

### ALLOWANCE FOR DECK ERRATIONS:—

Freeboard, Table C..... *3 1/2*  
Correction for Length, if required (Para. 12, 13, and 14) .....  
Freeboard by Table A, corrected for sheer, and for length,  
if required (Para. 12, 13, and 14) ..... *1-0 1/2*  
Difference ..... *9 1/4*  
Percentage as below..... *66.7%*  
Correction for R. Q. Dk. if engine and boiler openings not  
covered by bridge house (Para. 11) ..... *5.99*  
Allowance for Deck Erections ..... *5 1/4*

	Length.	Length allowed.	Height.
Forecastle.....	<i>23.8</i>	<i>22.08</i>	<i>7.0</i>
Bridge House.....	<i>10.10 1/2</i>	<i>10.87</i>	<i>7.0</i>
Raised Qr. Dk.....	<i>91.9 1/4</i>	<i>91.77</i>	<i>3.6</i>
Poop.....			
Total.....		<i>124.72</i>	<i>7.78</i>
Length of Ship.....	<i>160.25</i>		
Corresponding percentage (Para. 11, 12, 13, or 14)	<i>66.70%</i>		

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, *Wood* (Iron) Deck:—

Fresh Water Line	above centre of Disc	...
Indian Summer Line	"	...
Winter Line	below	...
Winter North Atlantic Line	"	...

Moulded Depth as measured..... *11.9"*

Addition for Keel below base line  
for draught record..... *1 1/2* inches.

### CORRECTION FOR LENGTH.

Length of Ship on Loadline..... *160.25.*  
Length in Table ..... *141.00*  
Difference ..... *19.25.*  
Correction for 10ft., Table A. .... *9* Table C.  
× Difference divided by 10 ..... *1.73* (if required.)  
If  $\frac{1}{10}$ ths length covered divide by 2 *.86* = + *3/4*

### CORRECTION FOR IRON DECK.

Proportion covered, if less than  $\frac{1}{10}$ ths length covered ..... *.778*  
Thickness of usual wood deck, less stringer ..... *3"*  
- *3" = 2 1/4"*

### CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... *25' 0"*  
Round of Beam..... *6 1/2"*  
Normal round..... *6 1/4"*  
Difference .....  $\frac{1}{4} \div 2 = \frac{1}{8}$   
Proportion of Deck uncovered (Para. 19) ..... *222 of 1/8 = nil.*

Freeboard, Table A ..... *1-8 1/2*  
Correction for Sheer ..... *8*  
Correction for Length ..... *1-0 1/2*  
Allowance for Deck Erections ..... *5 1/4*  
Correction for Round of Beam..... *7 1/4*  
Correction for fall in Sheer (if any)..... *3*  
Correction for Iron Deck (if required) ..... *2 1/4*  
Additions for non-compliance with provisions of  
Para. 11 (d) and (e) ..... *4 3/4*  
Other Corrections (if any) *Height of R. Q. Deck.* = *3.6"*  
Winter Freeboard ..... *3' 10 3/4*  
Summer Freeboard ..... *3' 8 3/4*  
Indian Summer Freeboard ..... *3' 6 1/4*  
N. A. Winter Freeboard ..... *3' 6 1/4*

Correction necessary because clearside amidships, measured  
in accordance with the Statute is not taken at the  
intersection of the *wood* or iron deck with side.

Winter Freeboard from deck line

Summer " " " "

Indian Summer " " " "

N. A. Winter " " " "

State dimensions

The Surveyor

line of keel

survey



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Lloyd's Register  
Foundation



Do all the Frames extend to the top height in the Poop? ☒ Raised Quarter Deck? *Yes* Bridge House? *Yes* Forecastle? *Yes*  
 To what height do the Reverse Frames extend? *none (heavy framing)*  
 Has the ~~Poop~~ or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes*  
 Give particulars of the means for closing the openings in Bulkhead *no openings*  
 Is the ~~Poop~~ or Raised Quarter Deck connected with the Bridge House? *Yes* Has the Bridge House an efficient Bulkhead at the fore end? *Yes*  
 Give particulars of the means for closing the openings in Bulkhead *no openings*  
 What is the thickness of the Bridge Front plating? *26"* and Coaming plate? *28"*  
 Give scantlings and spacing of the Stiffeners *6" x 3" x 32" B.A. spaced 30"*  
 Are bracket plates fitted at each end of the Stiffeners? *Yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *Yes*  
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*  
 How are the openings closed? *no openings*  
 Is the Forecastle at least as high as the main or top-gallant rail? *Yes* Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *Yes*  
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *No*  
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *Yes*  
 Give thickness of plating; scantlings and spacing of Stiffeners *26" coamings 30" Stiffeners 3" x 2 1/2" x 26" spaced 30"*  
 What is the height of the exposed Casings? *7'0"* Are suitable means provided for closing all openings in them in bad weather? *Yes*  
 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:— *Yes*

Position and Size.		No 1 = 27'3" x 15'11½"		No 2. 28'9" x 15'11½"							
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	
COAMING.	Height above top of DECK	3'6"	2'6"	3'0"	2'0"						
	Thickness {	Sides.....	44"	44"	44"						44"
		Ends.....	44"	44"	44"						44"
SHIFTING BEAMS OR WEE PLATES.	Number .....	5.	5.	5.	5.						
	Section and Scantlings .....	11" 1½" x 10" x 32	-do-	-do-	-do-						
		Material .....	steel.								
* FORE AND AFTERS.	Number .....										
	Section and Scantlings .....										
	Material .....										
HATCHES Thickness .....		2½" W.W.		2½" W.W.							
Remarks.....		solid.	✓	solid.							

\* 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? *24"* Strake between Main and Bridge Sheerstrakes? *40"*

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.*

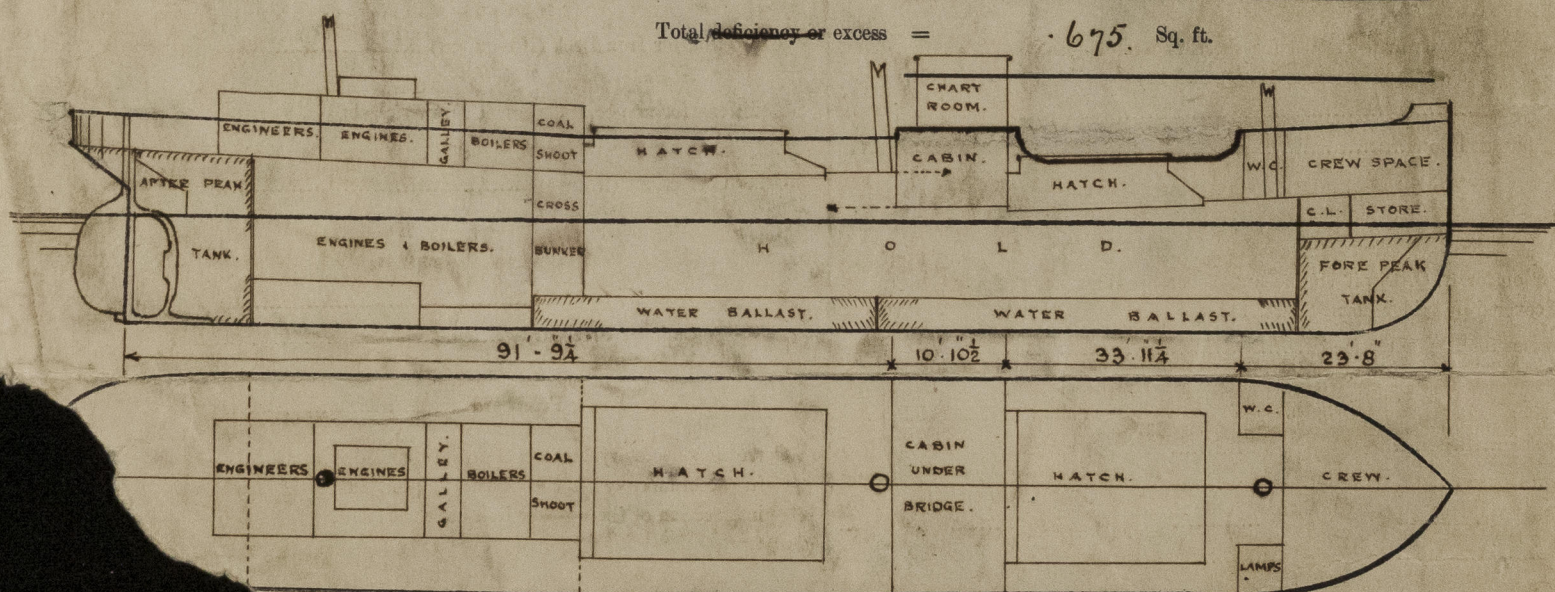
Length of Bulwarks in well *38' 11 1/2"*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *9.9* Sq. ft.

Ft. Tenth. Ft. Tenth. No. } Freeing Ports (each side of vessel) = *10.575* Sq. ft.  

$$\begin{matrix} 2 & 5 & \times & 1 & 41 & \times & 3 & \text{FOR}^2 \\ & & \times & & & \times & & \end{matrix}$$

Total deficiency or excess = *675* Sq. ft.



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

Construction of the Vessel

Section and Profile, are forwarded herewith for reference.

Navigation Co.  
 London.



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