

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Index No. 3149  
(For London Office only.)

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

Port of Survey *Barrow in Furness*  
Date of Survey *14 September 1925*  
Name of Surveyor *Wm Cruise*

Ship's Name. *V. I. 1 "Othello"*  
(*hulked 11/1/19*)  
Number in Register Book *29201*  
Port of Registry and Nationality. *Barrow British*  
Official Number. *146025*  
Gross Tonnage. *(4/1000) 20,000*  
Date of Build. *1925*  
Particulars of Classification. *100 A. 1 with freeboard contemplated (revised rules)*

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<i>632</i>	<i>45.25</i>	<i>32.95</i>	<i>12228.41</i>
Length on LOADLINE.	<i>630</i>	<i>2 x 4 1/4</i> <i>- .41</i>	<i>Ceiling + .10</i> <i>Rule " 8</i> <i>Sheer + 2.05</i>	<i>Peak</i> <i>Tanks</i>
CORRECTED DIMENSIONS.	<i>630</i>	<i>44.57</i>	<i>35.10</i>	<i>12228.41</i>

Moulded Depth as measured... *24'-6" 1/2 "X" deck.*  
Addition for Keel below base line for draught record... *2'-1".....inches.*

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

Co-efficient of fineness..... *.44*  
Any modification necessary { *Cell 5 B.*  
[Para. 4 (a) to (e)]\*  
Co-efficient as corrected ..... *.42*

CORRECTION FOR LENGTH.  
Length of Ship on Loadline..... *630.0*  
Length in Table ..... *450.0*  
Difference ..... *180.0*  
Correction for 10ft., Table A. .... *1.4* Table C.  
× Difference divided by 10 ..... *30.6* (if required.)  
If 1/10ths length covered divide by 2 *15.3*  
*+ 1'-3 3/4"*

Sheer { Stem..... *162* } *252.36 ÷ 2 = 126.18* ... Mean *36.18*  
at { Sternpost ... *90.36* } *2.05*  
Sheer at 1/3 of the length from { Stem *104.4* } *161.4 ÷ 2 = 80.7* ... Mean *146.73*  
Sternpost *87* } *÷ 2 = 146.73*  
Gradual mean Sheer ..... *126.18 + 146.73 = 136.45*  
Standard mean Sheer [Table, Para. 18] ..... *43.0* Correction  
Difference..... *62.45* ÷ 4 = *15.86*  
§ If limited as Para. 18 (f) ..... *- 1'-3 3/4"*

CORRECTION FOR IRON DECK.  
Proportion covered, if less than 1/10ths length covered .....  
Thickness of usual wood deck, less stringer ..... *1 1/2" magnite*  
Rule = *4" Actual 1 1/2" + Stringer 1/2" = 2" (2 1/2" Deck deck when exposed) - 2"*  
CORRECTION FOR ROUND OF BEAM.  
Breadth at Gunwale amidships..... *45'-0"*  
Round of Beam ..... *6" when exposed*  
Normal round..... *15.75*  
Difference ..... *12.75* ÷ 2 = *6.375*  
Proportion of Deck uncovered (Para. 19) *14* = *1.89*  
*+ 1"*

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

Rise in Sheer { At front of bridge house.....  
from amidships {  
[Para. 18 (e)] { At after end of forecastle  
Fall in Sheer {  
Para. 18 (d) {  
Length uncovered ..... ÷ 2 =  
Correction

Freeboard, Table A ..... *10'-14"*  
Correction for Sheer ..... *- 1'-3 3/4"*  
Correction for Length ..... *+ 1'-3 3/4"*  
Allowance for Deck Erections ..... *10' - 3 1/2"*  
Correction for Round of Beam..... *- 1' - 4 1/2"*  
Correction for fall in Sheer (if any).....  
Correction for Iron Deck (if required) ..... *2"*  
Additions for non-compliance with provisions of  
Para. 11 (d) and (e) †  
Other Corrections (if any) .....

ALLOWANCE FOR DECK ERECTIONS:—  
Freeboard, Table C..... *(10'-14" - 2'-1")*  
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) ..... *9'-0 1/2"*  
Difference ..... *1'-9 1/4"*  
Percentage as below..... *49% 80*  
*16-80.7.0*

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) .....  
Allowance for Deck Erections .....

	Length.	Length allowed.	Height.
Forecastle.....	<i>498.33</i>	<i>498.00</i>	<i>8'-0" 1/2</i>
Bridge House .....			<i>9'-6" Amidships</i>
† Raised Qr. Dk.....		<i>40.34</i>	
Poop.....	<i>42.67</i>	<i>38.46</i>	
Total ..... <i>541.00</i>	<i>535.46</i>	<i>.85</i>	
Length of Ship ..... <i>630.00</i>	<i>630.00</i>		

Corresponding percentage { *49% 80%*  
(Para. 11, 12, 13, or 14)

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line,  
Fresh Water Line above centre of Disc  
Indian Summer Line " " "  
Winter Line below " "  
Winter North Atlantic Line " " "

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 ..... *8' - 9 1/2"*  
Summer Freeboard ..... *8' - 2 1/4"*  
Indian Summer Freeboard ..... *7' - 1 1/2"*  
N. A. Winter Freeboard .....

N. A. Winter  
Wood (Iron) Deck ..... *8' - 2" 8' - 2 1/2"*  
*1 1/2" magnite on steel*  
*7 1/2" 4 1/2"*  
*7 1/2" 4 1/2"*

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If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to include of ceiling should be reported if possible.  
In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.  
In vessels having long poops and forecastles, it means the sheer measured at points distant one eighth of the vessel's length from stem and stern-post.

† State dimensions of freeing port area on back of this form.  
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 relatively to water line the vessel's draft at time of survey, and also the actual load draft forward and aft should be reported.

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Foundation

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Do all the Frames extend to the top height in the Poop? *Yes* ✓  
 To what height do the Reverse Frames extend? *6" deck forward* ✓  
 Has the Poop ~~raised~~ *Quartermast* an efficient Iron Bulkhead at the fore end? *Yes* ✓  
 Give particulars of the means for closing the openings in Bulkhead *Steel coaming & Leak doors* ✓  
 Is the Poop ~~raised~~ *Quartermast* connected with the Bridge House? *No* ✓ Has the Bridge House an efficient Bulkhead at the fore end? *Yes* ✓  
 Give particulars of the means for closing the openings in Bulkhead ✓  
 What is the thickness of the Bridge Front plating? *1/4"* and Coaming plate? *1/4"* ✓  
 Give scantlings and spacing of the Stiffeners *9 1/2" x 3 1/2" x 50" spaced 30" apart* ✓  
 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? *Steel coamings & Leak doors* ✓  
 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? *Yes* ✓  
 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? *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.	#1 18'-6" x 14'-0"		#2 15'-9" x 16'-0"		#3 15'-0" x 18'-0"		#4 12'-0" x 18'-0"		#5 10'-3" x 16'-0"	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of Deck	36" to 30"	36" to 30"	36" to 30"	36" to 30"	36" to 30"	36" to 30"	36" to 30"	36" to 30"	36" to 30"
	Sides	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
	Ends	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
SHIFTING BEAMS OR WEB PLATES.	Number	2	2	2	2	2	2	2	2	2
	Section and Scantlings	11 1/2" x 32"	14" x 34"	12" x 32"	14" x 32"	14" x 32"	14" x 32"	12" x 32"	12" x 32"	12" x 32"
	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
* FORE AND AFTERS.	Number									
	Section and Scantlings									
	Material									
HATCHES Thickness	3"	Approved.	3"	Approved.	3"	Approved.	3"	Approved.	3"	Approved.
Remarks	Gratings	to an Secretary letter 5/19/23	Gratings		Gratings		Gratings		Gratings	

\* 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.) *9'-9"*

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.

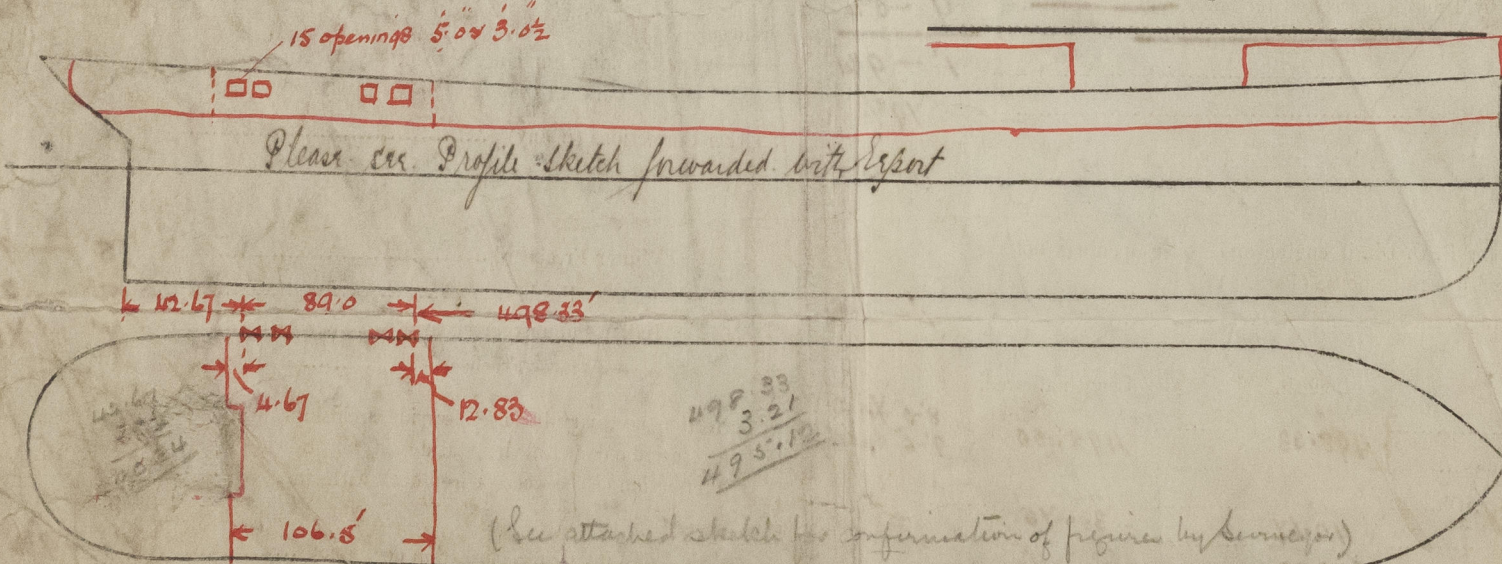
What is the thickness of the Bridge Sheerstrake? *.80 in. way of Superstrake* ✓  
 Delete the words } The Crew ~~are~~ *are not*, berthed in the bridge house.  
 that do not apply } The arrangements to enable them to get backwards and forwards from their quarters ~~are~~ *are not* satisfactory.

Length of Bulwarks in well *89.0*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *17.8* Sq. ft.

Ft.	Tenths.	Ft.	Tenths.	No.	Freeing Ports (each side of vessel) = <i>9.0</i> Sq. ft.
2.0	0	1.5	0	3	
4.0	0	1.4	0	3	

Total deficiency ~~excess~~ = *Nil: 8.8* 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. *Built to revised Rules.*

*The vessel is similar to V.S.S. "Orama". In the case of the Otranto the bridge has been extended 12 feet. Please see Secretary's letter of assignment dated 22<sup>nd</sup> Sept 1924.*

Owners *Orient Steam Navigation Co. Ltd.*

Address *London.*

Fee *£15-0-0*

Received by me

*See A.B. Report*



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