

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.-STEAM SHIPS.

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 _____
Date of Survey 1.12.24
Name of Surveyor _____

W. Gray & Co. Proposed 280 Collier
Ship's Name.

Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
				<u>+100 A.1. (Contemplated)</u>

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
Length on LOADLINE.	Frame Depth Rule	Ceiling Sheer	Peak Tanks	
CORRECTED DIMENSIONS.	<u>280</u>			

Moulded Depth as ^{given} measured 21'-0"
wood deck less stringer $\frac{3}{2}$
Addition for Keel below base line 20'-8 1/2" to use.
for draught record.....inches.

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

Co-efficient of fineness.....
Any modification necessary [Para. 4 (a) to (e)]* }
Co-efficient as corrected given .79

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>280</u>		
Length in Table	<u>248.5</u>		
Difference	<u>31.5</u>		
Correction for 10ft., Table A.	<u>1.2</u>	Table C.	<u>.6</u>
× Difference divided by 10	<u>3.78</u>	(if required.)	<u>189</u>
If $\frac{1}{10}$ ths length covered divide by 2	<u>+ 3 3/4</u>		<u>+2</u>

Sheer { Stem..... 60 } 93 ÷ 2 = 46.5 ...Mean
at { Sternpost ... 33 }
Sheer at $\frac{1}{2}$ of the length from { Stem 33 } 51 ÷ 2 = 25.5 ...Mean
{ Sternpost 18 }
Gradual mean Sheer 25.5
Standard mean Sheer [Table, Para. 18] 22.8 Correction
Difference..... 2.7 ÷ 4 = .67
§ If limited as Para. 18 (f) -3/4

CORRECTION FOR IRON DECK.
Proportion covered, if less than $\frac{1}{10}$ ths length covered
Thickness of usual wood deck, less stringer
Allowed in reduced moulded depth.

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

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>44.0</u>		
Round of Beam	<u>11.0</u>		
Normal round.....	<u>11.0</u>		
Difference	<u>✓</u>	÷ 2 =	
Proportion of Deck uncovered (Para. 19)			<u>✓</u>

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

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C.....	<u>1'-6 3/4"</u>
Correction for Length, if required (Para. 12, 13, and 14)	<u>+ 2"</u>
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) }	<u>1'-8 3/4"</u>
Difference	<u>4'-5 1/2"</u>
Percentage as below.....	<u>2'-8 3/4"</u>
	<u>24.8%</u>

Freeboard, Table A	<u>4'-1 3/4"</u>
Correction for Sheer	<u>- 3/4"</u>
Correction for Length	<u>+ 3 3/4"</u>
Allowance for Deck Erections	<u>4'-4 3/4"</u>
	<u>- 8"</u>
	<u>3'-8 3/4"</u>

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } 8.12
Allowance for Deck Erections -8"

Correction for Round of Beam.....	<u>✓</u>
Correction for fall in Sheer (if any).....	<u>✓</u>
Correction for Iron Deck (if required) <u>In. Mld. depth</u>	<u>✓</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<u>✓</u>
Other Corrections (if any)	<u>✓</u>

	Length.	Length allowed.	Height.
Forecastle.....	<u>30.0</u>	<u>30.0</u>	<u>7'-6"</u>
Bridge House			
† Raised Qr. Dk.....			
Poop.....	<u>78.62</u>	<u>78.62</u>	<u>7-6</u>
Total	<u>108.62</u>		
Length of Ship	<u>280.0</u>		<u>= .388</u>
Corresponding percentage (Para. 11, 12, 13, or 14) }	<u>24.8%</u>		<u>= 3.1 eighths</u>

Winter Freeboard	<u>3'-8 3/4"</u>
Summer Freeboard	<u>3'-5 3/4"</u>
Indian Summer Freeboard	<u>3'-2 3/4"</u>
N. A. Winter Freeboard	<u>3'-10 3/4"</u>

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck :-

Fresh Water Line above centre of Disc	<u>3'-7 1/2"</u>
Indian Summer Line " " "	<u>4 3/4"</u>
Winter Line below " " "	<u>3"</u>
Winter North Atlantic Line " " "	<u>5"</u>

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the ~~wood~~ steel deck with side. } 1/4"

† If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside 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 flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern-post. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and stern-post.

Winter Freeboard from deck line	<u>3'-10 1/2"</u>
Summer " " " "	<u>3'-7 1/2"</u>
Indian Summer " " " "	<u>3'-4 1/2"</u>
N. A. Winter " " " "	<u>4'-0 1/2"</u>

F.W. $\frac{5080}{27 \times 40} = 4 3/4$

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