

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.-STEAM SHIPS.

No 28797

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 AND SHORT POOP.~~

Port of Survey Sunduland
Date of Survey plang forwarded 16/4/24
Name of Surveyor James Dickie

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>Barham & Sons No 258/9.</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>1924</u>	<u>+ 100A1. Contemplated.</u>

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
<u>Plans</u>	<u>385.0</u>	<u>52.0</u>	<u>26.04</u>	<u>4340</u>
Length on LOADLINE.	<u>385.0</u>	Frame Depth <u>12</u> Rule " <u>6</u> <u>6x2</u> <u>Carroll's</u> <u>filled</u> <u>-1.0</u>	Ceiling <u>filled</u> Sheer <u>+2.23</u> <u>Tank</u> <u>level</u>	Peak Tanks } <u>included</u>
CORRECTED DIMENSIONS.	<u>385.0</u>	<u>51.0</u>	<u>28.27</u>	<u>4340</u>

Moulded Depth as measured..... 27'10"
Addition for Keel below base line for draught record... 1 1/2 inches.

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

27.10
1.75
29.53
3.57
26.0

Co-efficient of fineness..... .7823
Any modification necessary [Para. 4 (a) to (e)]* C. S. 16 - .02
Co-efficient as corrected76

13949
26.50
36180.59
2.23

Sheer { Stem..... 135 } 225 ÷ 2 = 112.5 ... Mean 71/55 = 129.09
at { Sternpost ... 90 }

Sheer at 1/2 of the length from { Stem 85 1/2 } 142 ÷ 2 = 71 ... Mean
{ Sternpost 56 1/2 }

Gradual mean Sheer 129.09 + 112.5 = 120.75
2

Standard mean Sheer [Table, Para. 18] 48.50 Correction
Difference..... 72.25 ÷ 4 = 18.06
§ If limited as Para. 18 (f) -18"

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

Fall in Sheer { Para. 18 (d) } ÷ 2 = ✓

Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—
Freeboard, Table C..... 3'6 3/4"
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) } 5'2 1/4"
Difference 1'7 1/2"
Percentage as below..... 84.48
16.47

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } ✓
Allowance for Deck Erections 1'4 1/2"

	Length.	Length allowed.	Height.
Forecastle.....	<u>305.50</u>	<u>305.50</u>	<u>8.0</u>
Bridge House	<u>✓</u>	<u>✓</u>	<u>✓</u>
↑ Raised Q. Dk.....	<u>✓</u>	<u>✓</u>	<u>✓</u>
Poop.....	<u>39.0</u>	<u>39.00</u>	<u>8.0</u>
Total	<u>344.50</u>	<u>344.50</u>	<u>89.48</u>
Length of Ship	<u>385.0</u>	<u>✓</u>	<u>89.5</u>

Corresponding percentage { 84.48
(Para. 11, 12, 13, or 14)

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck:—
Fresh Water Line above centre of Disc 6
Indian Summer Line " " " 5 1/2
Winter Line below " " " 5
Winter North Atlantic Line " " " ✓

CORRECTION FOR LENGTH.
Length of Ship on Loadline..... 385.0
Length in Table 334.0
Difference 51.0
Correction for 10ft., Table A. 1.4 Table C. ✓
× Difference divided by 10 7.14 (if required.)
If 1/10ths length covered divide by 2 3.57 + 3 1/2

CORRECTION FOR IRON DECK.
Proportion covered, if less than 1/10ths length covered 89.48 covered
Thickness of usual wood deck, less stringer 3 1/2" - 3 1/2"

CORRECTION FOR ROUND OF BEAM.
Breadth at Gunwale amidships..... 50.6
Round of Beam 19 1/2
Normal round..... 13 12.65
Difference 6.85 6 1/2 ÷ 2 = 3 1/4 3.42
Proportion of Deck uncovered (Para. 19) 105 - 1/4 ✓
1.359

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

Freeboard, Table A 6'8 1/4"
Correction for Sheer -1.6
5'2 1/4"
Correction for Length +3 1/2
5'5 3/4"
Allowance for Deck Erections -1.42
4'1 1/4"
Correction for Round of Beam..... -1/4
4'1"
Correction for fall in Sheer (if any)..... ✓
Correction for Iron Deck (if required) -3 1/2
3'9 1/2"
Additions for non-compliance with provisions of Para. 11 (d) and (e) † ✓
Other Corrections (if any) ✓
S.O.L { 1/28 = 25.3 - 1.9 = 23.4
(23.4)² × 19 1/2" = .855 × 19.5 = 16.68
19.5 - 16.68 = 2.82 = 2 3/4"
Winter Freeboard 3'9 1/2"
Summer Freeboard (4-5/2) 5/4 3'4 1/4"
Indian Summer Freeboard 2'11"
N. A. Winter Freeboard ✓

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or steel deck with side. } +2 1/2 2 3/4

Winter Freeboard from deck line 4'0" 4'0 1/4"
Summer " " " " 3'8 3/4" ✓
Indian Summer " " " " 3'7 1/2" 1 1/4
N. A. Winter " " " " ✓

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 usual load draft forward and aft should be reported.

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 sternpost. 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.

Lloyd's Register
Foundation