

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 Gothenburg.
Date of Survey 14. 8. 33.
Name of Surveyor E. G. Hjermqvist.

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>S/S BIFROST.</u>	<u>Gothenburg Swedish.</u>			<u>1923.</u>	<u>+100 A.I.</u>
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.	
	<u>260.5</u>	<u>37.75</u>	<u>16.40</u>	<u>1307.76</u>	Moulded Depth as measured..... <u>18'-7"</u>
Length on LOADLINE.	<u>260</u>	Frame Depth <u>8 1/2</u> Rule " <u>4 1/2</u> - <u>.66</u> no Cargo battens + <u>.33</u>	Ceiling + <u>.20</u> Sheer + <u>.72</u>	Peak Tanks Double Bottom aft 6" Deeper + <u>8.0</u>	Addition for Keel below base line for draught record..... inches.
CORRECTED DIMENSIONS.	<u>260</u>	<u>37.42</u>	<u>17.32</u>	<u>1315.76</u>	

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

Co-efficient of fineness..... .78
Any modification necessary {
[Para. 4 (a) to (e)]* } .02 C.B.B.
Co-efficient as corrected76.

CORRECTION FOR LENGTH.
Length of Ship on Loadline..... 260
Length in Table 223
Difference 37
Correction for 10ft., Table A. 1.1 Table C.
× Difference divided by 10 2.03 (if required.)
If 1/10ths length covered divide by 2 + 2' ✓

Sheer { Stem..... 84 } 124 ÷ 2 = 62 ... Mean
at { Sternpost ... 40 }
Sheer at 1/8 of the length from { Stem 46 1/4 } 68 1/4 ÷ 2 = 34.12 ... Mean
Sternpost 22 } 55 = 62.04
Gradual mean Sheer 62.04
Standard mean Sheer [Table, Para. 18] 36.00
Difference..... 26.04 ÷ 4 = -6 1/2" ✓
§ If limited as Para. 18 (f)

CORRECTION FOR IRON DECK.
Proportion covered, if less than 1/10ths length covered 70
Thickness of usual wood deck, less stringer 3 1/2 - 3 1/2" ✓

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

CORRECTION FOR ROUND OF BEAM.
Breadth at Gunwale amidships..... 36'-6"
Round of Beam 9 1/2"
Normal round..... 9.15"
Difference 35 ÷ 2 = 17
Proportion of Deck uncovered (Para. 19) 30 ✓

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

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

Freeboard, Table A 3'-5 1/4"
Correction for Sheer - 6 1/2"
2'-10 3/4"
Correction for Length + 2"
3'-0 3/4"
Allowance for Deck Erections - 11 1/2"
2'-1 1/4"
Correction for Round of Beam..... ✓

ALLOWANCE FOR DECK ERECTIONS:—
Freeboard, Table C..... 1'-0 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. 11, 12, 13, and 14) } 2'-10 3/4" ✓
Difference 1'-10"
Percentage as below..... 52.97%

Correction for fall in Sheer (if any)..... ✓
Correction for Steel Deck (if required) - 3 1/2"
1'-9 3/4"
Additions for non-compliance with provisions of {
Para. 11 (d) and (e) } ✓
Other Corrections (if any) height of R.Q.D. + 4'-0"
5'-9 3/4"

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

Winter Freeboard 5'-9 3/4"
Summer Freeboard 5'-7"
Indian Summer Freeboard 5'-4 1/4"
N. A. Winter Freeboard 6'-0 1/4"

	Length.	Length allowed.	Height.
Forecastle.....	<u>28.50</u>	<u>28.50</u>	<u>7'-0"</u>
Bridge House <u>R.Q.D.</u>	<u>51.75</u>	<u>51.75</u>	<u>7'-0"</u>
† Raised Qr. Dk. <u>101.40</u> × <u>40/113</u>		<u>98.23</u>	<u>4'-0"</u>
Poop.....			
Total	<u>181.65</u>	<u>178.48</u>	<u>686</u>
Length of Ship	<u>260</u>	<u>260</u>	

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. } N.L.

Winter Freeboard from deck line
Summer " " " "
Indian Summer " " " "
N. A. Winter " " " "

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, wood, Steel, Deck: 1702.7020

Tropical Fresh Water Line above Centre of Disc ...	<u>184</u>	Tropical Fresh Water Freeboard ...	<u>1518</u>
Fresh Water Line " " " "	<u>108</u>	Fresh Water " " " "	<u>150</u>
Tropical Line " " " "	<u>76</u>	Tropical " " " "	
Winter Line below " " " "	<u>63</u>	Winter " " " "	
Winter North Atlantic Line " " " "	<u>127</u>	Winter North Atlantic " " " "	

25 AUG 1933

4.26" = 108%

MARKING FOR

10 AUG 1933

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