

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 7-4-32.
Name of Surveyor _____

Ship's Name. HULDA THORDEN	Port of Registry and Nationality. <i>Finnish Helsingfors.</i>	Official Number. -	Gross Tonnage. <u>2404</u>	Date of Build. <u>1900-11</u>	Particulars of Classification. <u>+100 A.1</u>
Number in Register Book _____					

Registered Dimensions from Ship's Register.	LENGTH. <u>302.9</u>	BREADTH. <u>43.2</u>	DEPTH. <u>19.9</u>	UNDER DECK TONNAGE. <u>2193</u>
Length on LOADLINE.	<u>302.9</u>	Frame Depth Rule $\frac{5}{3\frac{1}{2}}$ <u>82</u> - .68	Ceiling <i>flat</i> Sheer <u>+87</u>	Peak Tanks } <u>Incl.</u>
CORRECTED DIMENSIONS.	<u>302.9</u>	<u>42.52</u>	<u>20.77</u>	<u>2193.0</u>

Co-efficient of fineness..... .82
 Any modification necessary }
 [Para. 4 (a) to (e)]* } CDB.
 Co-efficient as corrected80

Sheer { Stem..... 93
 at { Sternpost... 51 } $144 \div 2 = 72$...Mean $\frac{36}{87} \frac{31.53}{87}$
 Sheer at $\frac{1}{4}$ of the length from { Stem 51
 Sternpost 28 } $79 \div 2 = 39.5$...Mean
 Gradual mean Sheer 71.82 $\div .55 = 71.82$
 Standard mean Sheer [Table, Para. 18] 40.29 Correction
 Difference..... 31.53 $\div 4 = 7.88$
 §-if limited as Para. 18 (f) -8 + 7/8

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

Fall in Sheer }
 Para. 18 (d) } $\div 2 =$
 Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 1'-11"
 Correction for Length, if required (Para. 12, 13, and 14) +2
2'-1"
 Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14) } 4'-4 $\frac{3}{4}$ "
 Difference 2'-3 $\frac{3}{4}$ "
 Percentage as below..... 28.623
7.941

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

	Length.	Length allowed.	Height.
Forecastle.....	<u>34.0</u>	<u>34.0</u>	<u>7-0</u>
Bridge House	<u>78.0</u>	<u>78.0</u>	<u>7-0</u>
† Raised Qr. Dk.....	<u>24.84</u>		
Poop.....		<u>24.84</u>	<u>7-0</u>
Total		<u>136.84</u>	<u>.4517</u>
Length of Ship	<u>302.90</u>		
Corresponding percentage (Para. 11, 12, 13, or 14) } <u>28.62%</u>			

Moulded Depth as measured..... 22'-4 $\frac{1}{2}$ "
 Addition for Keel below base line for draught record.....inches.

CORRECTION FOR LENGTH.
 Length of Ship on Loadline..... 302.9
 Length in Table 268.5
 Difference 34.4
 Correction for 10ft., Table A. 1.2 Table C. .6
 × Difference divided by 10 4.13 (if required.) 2.06
 If $\frac{1}{10}$ ths length covered divide by 2 +4 $\frac{1}{4}$ +2

CORRECTION FOR IRON DECK.
 Proportion covered, if less than $\frac{1}{10}$ ths length covered4517
 Thickness of usual wood deck, less stringer 3 $\frac{1}{2}$ " - 1 $\frac{1}{2}$ "

CORRECTION FOR ROUND OF BEAM.
 Breadth at Gunwale amidships..... 43.0
 Round of Beam 10 $\frac{3}{4}$ "
 Normal round..... 10 $\frac{3}{4}$ "
 Difference $\div 2 =$
 Proportion of Deck uncovered (Para. 19)

Freeboard, Table A 4'-8 $\frac{1}{2}$ "
 Correction for Sheer -8
4'-0 $\frac{1}{2}$ "
 Correction for Length +4 $\frac{1}{2}$ "
4'-4 $\frac{1}{2}$ "
 Allowance for Deck Erections -8
3'-8 $\frac{3}{4}$ "
 Correction for Round of Beam.....
 Correction for fall in Sheer (if any).....
 Correction for Steel Deck (if required) - 1 $\frac{1}{2}$ "
3'-7 $\frac{1}{4}$ "
 Additions for non-compliance with provisions of }
 Para. 11 (d) and (e) † }
 Other Corrections (if any)

Winter Freeboard 3'-7 $\frac{1}{4}$ "
 Summer Freeboard 3'-3 $\frac{3}{4}$ "
 Indian Summer Freeboard 3'-0 $\frac{1}{4}$ "
 N. A. Winter Freeboard 3'-9 $\frac{1}{4}$ "

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. } NIL.
 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:—

Tropical Fresh Water Line above Centre of Disc ...	<u>8$\frac{1}{4}$"</u> <u>210</u>	Tropical Fresh Water Freeboard ...	<u>3'-3$\frac{3}{4}$"</u> <u>1010</u>
Fresh Water Line " " ...	<u>4$\frac{1}{4}$"</u> <u>121</u>	Fresh Water " " ...	<u>2'-7$\frac{1}{2}$"</u> <u>800</u>
Tropical Line " " ...	<u>3$\frac{1}{2}$"</u> <u>89</u>	Tropical " " ...	<u>2'-11$\frac{1}{2}$"</u> <u>889</u>
Winter Line below " " ...	<u>3$\frac{1}{2}$"</u> <u>89</u>	Winter " " ...	<u>3'-0$\frac{1}{4}$"</u> <u>924</u>
Winter North Atlantic Line " " ...	<u>5$\frac{1}{2}$"</u> <u>140</u>	Winter North Atlantic " " ...	<u>3'-9$\frac{1}{4}$"</u> <u>1099</u>

8 APR 1932

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G.P.B.
7-4-32