

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 25th Aug 32
Name of Surveyor _____

IMMORAGNAR
Ship's Name
INGA
Number in Register Book

Port of Registry and Nationality. Lovisa
Finnish
Official Number. 374
Gross Tonnage. 2050
2342
Date of Build. 1903-6
Particulars of Classification. 1st 100 A1.

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>289.2</u>	<u>42.05</u>	<u>19.65</u>	<u>1947.47</u>

Length on LOADLINE.	Frame Depth Rule	Ceiling Sheer	Peak Tanks
<u>289.</u>	<u>44</u>	<u>44</u>	

CORRECTED DIMENSIONS.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>289</u>	<u>42.05</u>	<u>20.09</u>	<u>1947.47</u>

Co-efficient of fineness..... .79
Any modification necessary }
[Para. 4 (a) to (e)]* } .01 bill DB rdep fins
Co-efficient as corrected78

Sheer { Stem..... 75 } 109.5 ÷ 2 = 54.75...Mean
at { Sternpost ... 34.5 }
Sheer at $\frac{1}{2}$ of the length from { Stem 42 } 61.5 ÷ 2 = 30.75...Mean
{ Sternpost 19.5 }

Gradual mean Sheer 55.9
Standard mean Sheer [Table, Para. 18] 38.90 Correction
Difference..... 17 ÷ 4 = -4.25

§ If limited as Para. 18 (f)

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

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C..... 1-9 $\frac{1}{2}$
Correction for Length, if required (Para. 12, 13, and 14) + 1 $\frac{1}{2}$
1-11
Freeboard by Table A, corrected for sheer, and for length, }
if required (Para. 11, 12, 13, and 14) } 4-5 $\frac{1}{4}$
Difference 2-6 $\frac{1}{4}$
Percentage as below..... 31.09%

Correction for R. Q. Dk. if engine and boiler openings not }
covered by bridge house (Para. 11) } -9 $\frac{1}{2}$
Allowance for Deck Erections -9 $\frac{1}{2}$

	Length.	Length allowed.	Height.
Forecastle.....	<u>31.5</u>	<u>31.5</u>	<u>7-0</u>
Bridge House	<u>80.5</u>	<u>80.5</u>	<u>7-0</u>
† Raised Qr. Dk.....			
Poop.....	<u>28.75</u>	<u>28.75</u>	<u>7-0</u>
Total		<u>140.75</u>	
Length of Ship	<u>289</u>		
Corresponding percentage } (Para. 12, 13, or 14) } <u>31.09%</u>			

Moulded Depth as measured..... 22.0

Addition for Keel below base line
for draught record.....inches.

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

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 289
Length in Table 264
Difference 25
Correction for 10ft., Table A. 1.2 Table C. .6
× Difference divided by 10
If $\frac{1}{10}$ ths length covered divide by 2 + 3" + 1 $\frac{1}{2}$ "

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered487
Thickness of usual wood deck, less stringer 3 $\frac{1}{2}$ "
- 1 $\frac{3}{4}$ "

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....
Round of Beam 10 $\frac{1}{4}$
Normal round..... 10 $\frac{1}{4}$
Difference ÷ 2 = ✓
Proportion of Deck uncovered (Para. 19) ✓

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

Freeboard, Table A 4-6 $\frac{1}{2}$
Correction for Sheer - 4 $\frac{1}{4}$
4-2 $\frac{1}{4}$
Correction for Length + 3
4-5 $\frac{1}{4}$
Allowance for Deck Erections - 9 $\frac{1}{2}$
3-7 $\frac{3}{4}$ "
Correction for Round of Beam..... ✓
Correction for fall in Sheer (if any)..... -
Correction for Steel Deck (if required) - 1 $\frac{3}{4}$
3-6
Additions for non-compliance with provisions of }
Para. 11 (d) and (e)† } ✓
Other Corrections (if any) ✓

Winter Freeboard 3-6
Summer Freeboard 3-3
Indian Summer Freeboard
N. A. Winter Freeboard 3-8

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.

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>7.70</u> ...	<u>195$\frac{1}{4}$</u>	Tropical Fresh Water Freeboard ...	<u>38.75" = 98$\frac{1}{4}$"</u>
Fresh Water Line " " ... <u>4.70</u> ...	<u>119$\frac{1}{4}$</u>	Fresh Water " " " " ...	<u>= 789$\frac{1}{4}$"</u>
Tropical Line " " ... <u>3.00</u> ...	<u>76$\frac{1}{4}$</u>	Tropical " " " " ...	<u>= 865$\frac{1}{4}$"</u>
Winter Line below " " ... <u>3.00</u> ...	<u>76$\frac{1}{4}$</u>	Winter " " " " ...	<u>= 908$\frac{1}{4}$"</u>
Winter North Atlantic Line " " ... <u>5.00</u> ...	<u>127$\frac{1}{4}$</u>	Winter North Atlantic " " " " ...	<u>= 1060$\frac{1}{4}$"</u>