

pt. 11b  
JRA 29333

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(For London Office only.)

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

PARTICULARS RELATING TO ALL STEAM SHIPS ~~EITHER FLUSH DECKED, OR WITH~~  
~~OF 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 Glasgow  
Date of Survey 14/15<sup>th</sup> Mar. 1933  
Name of Surveyor \_\_\_\_\_

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>MANGALORE</u>	<u>Liverpool</u> <u>British</u>	<u>143638</u>	<u>9751</u>	<u>1920/6</u>	<u>+ 100 A 1</u>
Number in Register Book _____					

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>518.0</u>	<u>63.9</u>	<u>35.65</u>	<u>8907.56</u>
Length on LOADLINE.	<u>515.66</u>	Frame Depth <u>12 1/2</u> Rule „ <u>7</u> <u>5 1/2</u> <u>x 2 = - .92</u> <u>very flush</u> <u>spanning</u> <u>+ .33</u>	No Ceiling <u>+ .20</u> Sheer <u>+ .91</u>	Peak Tanks
CORRECTED DIMENSIONS.	<u>515.66</u>	<u>63.31</u>	<u>36.76</u>	<u>8907.56</u>

Moulded Depth as measured..... 38 - 3/4  
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..... 515.66  
Length in Table ..... 459.75  
Difference ..... 55.91  
Correction for 10ft., Table A. .... 1.7 Table C.  
x Difference divided by 10 ..... 9.5 (if required.)  
If 1/10ths length covered divide by 2 + 4 3/4

CORRECTION FOR IRON DECK.  
Proportion covered, if less than 1/10ths length covered ..... .60  
Thickness of usual wood deck, less stringer ..... 3/2  
- 2 1/4

CORRECTION FOR ROUND OF BEAM.  
Breadth at Gunwale amidships..... 62.0  
Round of Beam ..... 16"  
Normal round..... 15.5  
Difference ..... 5 ÷ 2 = ..... .25  
Proportion of Deck uncovered (Para. 19) ..... .40

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

Co-efficient of fineness..... .742  
Any modification necessary } and use 5 1/2" at margin  
[Para. 4 (a) to (e)]\*  
Co-efficient as corrected ..... .74

Sheer { Stem..... 129 } 189 ÷ 2 = 94.5...Mean  
at { Sternpost ... 60 } 36 | 32.98  
91  
Sheer at 1/2 of the length from { Stem 71 } ÷ 2 = ...Mean  
{ Sternpost 33 }  
Gradual mean Sheer ..... 94.54 + 94.5 94.52  
Standard mean Sheer [Table, Para. 18] ..... 61.56 Correction  
Difference..... 32.96 ÷ 4 = - 8 1/4  
§ 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 } ÷ 2 =  
Para. 18 (d) }  
Length uncovered ..... ✓ Correction

ALLOWANCE FOR DECK ERECTIONS :—  
Freeboard, Table C..... 7 - 7 1/4  
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) } 10 - 1  
Difference ..... 2 - 5 3/4  
Percentage as below..... 40%

Correction for R. Q. Dk. if engine and boiler openings not }  
covered by bridge house (Para. 11) }  
Allowance for Deck Erections ..... - 12"

	Length.	Length allowed.	Height.
Forecastle.....	<u>41.5</u>	<u>41.5</u>	<u>7.0</u>
Bridge House .....	<u>222.5</u>	<u>221.4</u>	<u>7.95</u>
† Raised Qr. Dk.....			
Poop.....	<u>46.75</u>	<u>46.49</u>	<u>7.75</u>
Total .....		<u>309.39</u>	<u>= .60</u>
Length of Ship .....		<u>515.66</u>	
Corresponding percentage { (Para. 11, 12, 13, or 14) } <u>40%</u>			

Freeboard, Table A ..... 10 - 9 1/4  
Correction for Sheer ..... - 8 1/4  
10 - 1  
Correction for Length ..... + 4 3/4  
10 - 5 3/4  
Allowance for Deck Erections ..... - 1.0  
9 - 5 3/4  
Correction for Round of Beam.....  
Correction for fall in Sheer (if any).....  
Correction for Steel Deck (if required) ..... - 2 1/4  
9 - 3 1/2

Additions for non-compliance with provisions of }  
Para. 11 (d) and (e) † }  
Other Corrections (if any) .....

Winter Freeboard ..... 9 - 3 1/2  
Summer Freeboard ..... 8 - 8 1/2  
Indian Summer Freeboard ..... 8 - 1 1/2  
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.

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

87.8.33  
21.3.33

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, ~~Wood~~, Steel, Deck :—

22 MAR 1933

Tropical Fresh Water Line above Centre of Disc ...	15"
Fresh Water Line " " ...	8"
Tropical Line " " ...	7"
Winter Line below " " ...	7"
Winter North Atlantic Line " " ...	✓

Tropical Fresh Water Freeboard ...	8 - 8 1/4
Fresh Water " " ...	7 - 5 1/4
Tropical " " ...	8 - 0 1/4
Winter " " ...	8 - 1 1/4
Winter North Atlantic " " ...	9 - 3 1/4

2m, 9.32, T.

W432-0231

F.W. =  $\frac{20999}{40 \times 65} = 8.08$

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24 APR 1933