

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

25642

Particulars relating to all steam ships either flush decked, or with  
 OP 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 Middlesbrough  
 Date of Survey during construction  
 Name of Surveyor J. P. Dippie

Ship's Name. S.S. Rona Port of Registry and Nationality. Sydney N.S.W. Official Number. British Gross Tonnage. 6200 approx Date of Build. 1918 Particulars of Classification. 100A.1. Shelter deck with freeboard  
 Number in Register Book 33 Supp

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>400</u>	<u>54.05</u>	<u>32.25</u> <u>24.25</u>	<u>5727.24 Shelter</u> <u>4200 approx upper dk</u>
Length on LOADLINE.	<u>399.7</u>	Frame Depth 10 Rule „ <u>7</u> <u>3</u> <u>= - .50</u>	Ceiling + <u>20</u> Sheer + <u>45</u> <u>Drop in Tank</u> <u>10" = + .42</u>	Peak Tanks
CORRECTED DIMENSIONS.	<u>399.7</u>	<u>53.55</u>	<u>33.32</u>	<u>5727.24</u>

Moulded Depth as measured..... 29.0  
35.0  
 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..... 399.7  
 Length in Table ..... 324.0  
 Difference ..... 75.7  
 Correction for 10ft., Table A. .... 1.4 Table C.  
 × Difference divided by 10 ..... 10.598 (if required.)  
 If  $\frac{1}{10}$ ths length covered divide by 2 + 5.3

## CORRECTION FOR IRON DECK.

Proportion covered, if less than  $\frac{1}{10}$ ths length covered .....  
 Thickness of usual wood deck, less stringer ..... 3.5

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 52  
 Round of Beam ..... 12  
 Normal round..... 13  
 Difference ..... 1 ÷ 2 = ..... 1/2  
 Proportion of Deck uncovered (Para. 19) .....

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

Co-efficient of fineness..... .80  
 Any modification necessary } C. D. B  
 [Para. 4 (a) to (e)]\* }  
 Co-efficient as corrected ..... .78 to shelter  
.76 to upper deck

Sheer { Stem..... 102 } 138 ÷ 2 = 69 ...Mean  
 at { Sternpost ... 36 }  
 Sheer at  $\frac{1}{2}$  of the length from { Stem 53 } 73 ÷ 2 = 36.5 ...Mean  
 { Sternpost 20 } ÷ .55 = 66.36  
 Gradual mean Sheer ..... 66.36  
 Standard mean Sheer [Table, Para. 18] ..... 49.97 Correction  
 Difference..... 16.39 ÷ 4 = - 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 {  
 Para. 18 (d) } ÷ 2 =  
 Length uncovered ..... Correction

## ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 3.3 1/2  
 Correction for Length, if required (Para. 12, 13, and 14) .....

Freeboard by Table A, corrected for sheer, and for length, { 6.0  
 if required (Para. 12, 13, and 14) }  
 Difference ..... 2.8 1/2  
 Percentage as below..... 92%  
= 30"

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

	Length.	Length allowed.	Height.
Forecastle.....	<u>266.45</u>	<u>265.70</u>	} <u>8.0</u>
Bridge House .....			
† Raised Qr. Dk.....			
Poop.....	<u>118.25</u>	<u>112.25</u>	} <u>8.0</u>
Total .....		<u>377.95</u>	
Length of Ship .....		<u>388.82</u> = <u>.97</u>	
Corresponding percentage { (Para. 11, 12, 13, or 14) } <u>92%</u>		<u>397.7</u>	

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck:—

15'	12'	3'
5'	4'	3'
12'	3'	18'

Fresh Water Line above centre of Disc  
 Indian Summer Line " " "  
 Winter Line below " "  
 Winter North Atlantic Line " " "

Freeboard, Table A ..... 6.4  
 Correction for Sheer ..... - 4  
6.0  
 Correction for Length ..... + 5 1/4  
6.5 1/4  
 Allowance for Deck Erections ..... - 2.6  
3.9 1/4  
 Correction for Round of Beam.....  
 Correction for fall in Sheer (if any).....

Correction for Iron Deck (if required) ..... - 3 1/2  
3.2 3/4  
 Height of sheer deck to 3" sheathing on steel  
 Additions for non-compliance with provisions of {  
 Para. 11 (d) and (e) † } 8.3  
11.10 3/4  
 Other Corrections (if any) Reduction for closing  
tonnage opening 10  
11.03 1/4

Winter Freeboard ..... 11.0 3/4  
 Summer Freeboard ..... 5 1/2 10.7 1/4  
 Indian Summer Freeboard ..... 10.1 3/4  
~~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 iron deck with side. 1 3/4

Winter Freeboard from deck line ..... 11.2 1/2  
 Summer " " " ..... 10.9  
 Indian Summer " " " ..... 10.3 1/2

Shelter ~~N. A. Winter~~ " " " ..... 10.9  
6 3/4  
5 1/2  
5 1/2

† 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 plating, 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 sternpost.

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