

# 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 Gundee  
Date of Survey While Building  
Name of Surveyor J. E. Sellex

Coaster Construction Co. 117

Ship's Name  
Muritai  
Number in Register Book

Port of Registry  
and Nationality.  
Wellington  
British

Official  
Number.

Gross  
Tonnage.  
450  
Approx.

Date of Build.  
1923

Particulars of Classification.  
+100A.1. with Freeboard for service  
in Wellington Harbour, N.Z.

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>165.3</u>	<u>30.1</u>	<u>11.35</u>	<u>359.84</u>
Length on LOADLINE.	<u>165.0</u>	Frame/Depth <u>4 1/2</u> Ceiling <u>fitted</u> Rule <u>3 1/2</u> Sheer <u>-25</u> <u>-21</u> <u>1 1/4</u> <u>11.12 below</u>	Peak <u>Rec</u> Tanks <u>Amundsen</u> <u>8.2.73</u>	<u>360.33</u>
CORRECTED DIMENSIONS.	<u>165.0</u>	<u>29.89</u>	<u>10.87</u>	<u>360.33</u> <u>359.84</u>

Co-efficient of fineness..... .67  
Any modification necessary  
[Para. 4 (a) to (e)]\*  
Co-efficient as corrected ..... .68 Lowest in Tables.

Sheer { Stem..... 24 } 35 ÷ 2 = 17.5 ... Mean 17.62  
at { Sternpost ... 11 } 26.50  
368.88  
Sheer at 1/8 of the length from { Stem 13 7/8 } 19.38 ÷ 2 = 9.69 ... Mean .25  
Sternpost 5 1/2  
Gradual mean Sheer 13.87 + 10 ..... 11.93  
Standard mean Sheer [Table, Para. 18] ..... 18.05 Correction  
Difference..... 6.12 ÷ 4 = 1.53  
§ If limited as Para. 18 (f) ..... + 1 1/2"

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..... 0'-3"  
Correction for Length, if required (Para. 12, 13, and 14) ..... + 1  
0-4  
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) } 1-10 1/2  
Difference ..... 1-6 1/2  
Percentage as below..... 12.56%  
2.32  
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }  
Allowance for Deck Erections ..... -2 1/4"

	Length.	Length allowed.	Height.
Forecastle.....	<u>54.0</u>	<u>54.0</u>	<u>7'-0"</u>
Bridge House .....	-	-	-
† Raised Qr. Dk.....	-	-	-
Poop.....	-	-	-
Total .....	<u>54.0</u>	<u>54.0</u>	<u>= 327</u>
Length of Ship .....	<u>165.0</u>	<u>165.0</u>	<u>= 2616 Eighths</u>
Corresponding percentage { (Para. 11, 12, 13, or 14) } <u>20.93%</u> × <u>6/10ths</u> = <u>12.56%</u>			

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

3. 1. 23  
Fresh Water Line above centre of Disc .....  
Indian Summer Line " " " " .....  
Winter Line below " " " " .....  
Winter North Atlantic Line " " " " .....

¶ If the frames, skin planking, 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 amidships 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.

Moulded Depth as measured..... 12'-0"  
2 1/2" wood Deck  
Addition for Keel below base line  
for draught record..... inches. 11'-11 1/2" to use

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..... 165  
Length in Table ..... 143.5  
Difference ..... 21.5  
Correction for 10ft., Table A. .... 9 Table C. 5  
× Difference divided by 10 ..... 1.93 (if required.) 1.07  
If 1/10ths length covered divide by 2 +2" +1"

### CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered .....  
Thickness of usual wood deck, less stringer .....  
2 1/2" wood deck (allowed in moulded depth).

### CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 30'  
Round of Beam ..... 7 1/2"  
Normal round..... 7 1/2"  
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 ..... 1'-8 1/2"  
Correction for Sheer ..... + 1 1/2  
1-10  
Correction for Length ..... + 2  
2'-0"  
Allowance for Deck Erections ..... - 2 1/4  
1-9 3/4  
Correction for Round of Beam..... ✓  
Correction for fall in Sheer (if any)..... ✓  
Correction for Iron Deck (if required) ..... ✓  
Additions for non-compliance with provisions of  
Para. 11 (d) and (e) ..... ✓  
Other Corrections (if any) Scantlings & Constant +2-5  
its correspond to draft decided by 4-2 3/4  
builders

Winter Freeboard .....  
Summer Freeboard .....  
Indian Summer Freeboard .....  
N. A. Winter Freeboard .....  
4-2 3/4"

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. 1/4

Winter Freeboard from deck line .....  
Summer " " " " .....  
Indian Summer " " " " .....  
N. A. Winter " " " " .....  
4'-4" All Seasons.  
4'-4" For all Seasons.

† 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.