

Clond's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD.-STEAM SHIPS.

Port of Survey Greenock
Date of Survey Oct 17 1911
Name of Surveyor E D Turner

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.

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>MONTORO</u>	<u>Sydney</u>	<u>4</u>	<u>3140.94</u>	<u>1911</u>	<u>+100 A 1</u> <u>concomplated</u>

Registered Length from Register.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
<u>360.6</u>	<u>47.2</u>	<u>23.8</u>	<u>3140.94</u>

Length on LOADLINE.	Frame Depth Rule	Ceiling Sheer	Peak Tanks
<u>359.6</u>	<u>46.7</u>	<u>24.79</u>	<u>3143.94</u>

Co-efficient of fineness..... .755
Any modification necessary [Para. 4 (a) to (e)]* -625
Co-efficient as corrected73

Sheer at Stem..... 96
at Sternpost... 51
 $147 \div 2 = 73.5$ Mean

Sheer at $\frac{1}{2}$ of the length from Stem 54
Sternpost 28
 $82 \div 2 = 41$ Mean

Gradual mean Sheer 74.54
Standard mean Sheer [Table, Para. 18] 45.96
Difference..... 28.58
 $28.58 \div 4 = 7.145$

§ If limited as Para. 18 (f)..... -7.145

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

Fall in Sheer [Para. 18 (d)]
Length uncovered ✓

ALLOWANCE FOR DECK ERECTIONS :- 2-10 3/4

Freeboard, Table C.....
Correction for Length, if required (Para. 12, 13, and 14)
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) } 5.33 3/4
Difference 2.5
Percentage as below..... 48.35

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } 14
Allowance for Deck Erections 13 3/4

	Length.	Length allowed.	Height.
Forecastle.....	<u>47.75</u>	<u>46.35</u>	<u>8.3</u>
Bridge House.....	<u>160.75</u>	<u>159.86</u>	<u>8.3</u>
† Raised Qr. Dk.....		<u>40.34</u>	<u>8.3</u>
Poop.....	<u>44.00</u>	<u>38.54</u>	<u>8.3</u>
Total.....	<u>252.5</u>	<u>243.09</u>	<u>.6835</u>
Length of Ship.....	<u>359.6</u>	<u>359.6</u>	<u>.6783</u>

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

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

Moulded Depth as measured..... 26.3
Upper deck steel sheathed with $3\frac{1}{2}$ p.p. w/ells and $2\frac{1}{2}$ in accommodation in poop bridge forecastle

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>359.6</u>
Length in Table	<u>315.0</u>
Difference	<u>44.6</u>
Correction for 10ft., Table A.	<u>1.4</u> Table C.
× Difference divided by 10	<u>6.244</u> (if required.)
If $\frac{1}{10}$ ths length covered divide by 2	<u>3.122</u>

+ 3" x

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered	✓
Thickness of usual wood deck, less stringer	<u>3 1/2</u>
<u>2 1/2</u> sheathing under fore and aft connection - 1"	

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>46.6</u>
Round of Beam	<u>11 3/4</u>
Normal round.....	<u>11.578</u>
Difference	<u>1/8</u> = <u>1/16</u>
Proportion of Deck uncovered (Para. 19)	<u>.30</u>

Freeboard, Table A	<u>5-10 3/4</u>
Correction for Sheer	<u>- 7</u>
Correction for Length	<u>+ 3</u>
Allowance for Deck Erections	<u>5-6 3/4</u>
Correction for Round of Beam.....	<u>1-13 3/4</u>
Correction for fall in Sheer (if any).....	<u>4-5 3/4</u>
Correction for Iron Deck (if required)	<u>- 1</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	
Other Corrections (if any)	

Winter Freeboard	<u>4-23 3/4</u>
Summer Freeboard	<u>3-11 1/4</u>
Indian Summer Freeboard	<u>3-6 3/4</u>
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.	<u>13/4</u>
Winter Freeboard from deck line	<u>4-5 1/2</u>
Summer " " " "	<u>4-10 3/4</u>
Indian Summer " " " "	<u>3-8 1/4</u>

Amended Tables March 1906.

Winter Freeboard	<u>4-10 1/2</u>
Summer	<u>5 1/2</u>
Indian Summer	<u>4 1/2</u>

20-10-11

Subject to storm boards being fitted full height
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.

Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *Yes* Bridge House *Yes* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *Bull angle framing*
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes wood teak doors*
 Give particulars of the means for closing the openings in Bulkhead *wood teak doors*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *Yes as described* Has the Bridge House an efficient Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *Hinged w.t. door*
 What is the thickness of the Bridge Front plating? *.38* and Coaming plate? *.42*
 Give scantlings and spacing of the Stiffeners *7/2 x 3 x .58 BA spaced 28 1/2 apr*
 Are bracket plates fitted at each end of the Stiffeners? *Yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *Yes*
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*
 How are the openings closed? *Storm boards full height in channels riveted to Bulwark*
 Is the Forecastle at least as high as the main or top-gallant rail? *Yes* Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *Open alley way each side 2-8 1/2*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Yes*
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *Yes*
 Give thickness of plating; scantlings and spacing of Stiffeners *.30 plating coaming 3/4 above Board*
 What is the height of the exposed Casings? *1-6 1/2 R 8-3 BR* Are suitable means provided for closing all openings in them in bad weather? *Yes*

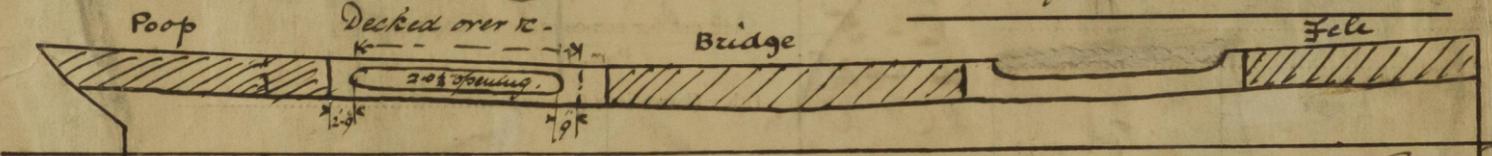
Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below:—

Position and Size.	No 1		No 2		No 3		No 4		Ship	Rule.	
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.			
Height above top of DECK	2-6 1/2	2-6 1/2	2-6 1/2	2-6 1/2	2-6 1/2	2-6 1/2	2-6 1/2	2-6 1/2			
COAMING Thickness	Sides.....	.44	.44	.44	.44	.44	.44	.44			
	Ends.....	.40	.40	.40	.40	.40	.40	.40			
SHIFTING BEAMS OR WEB PLATES	Number.....	3	3	3	3	3	3	3			
	Section and Scantlings	plate .34 3 x 3 x 40									
	Material.....	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel		
* FORE AND AFTERS	Number.....										
	Section and Scantlings	none	none	as approved	as approved	tubs only	tubs only	fitted.			
	Material.....										
HATCHES Thickness	3"	3"	3"	3"	3"	3"	3"	3"			
Remarks.....	solid	solid	solid	solid	solid	solid	solid	solid			

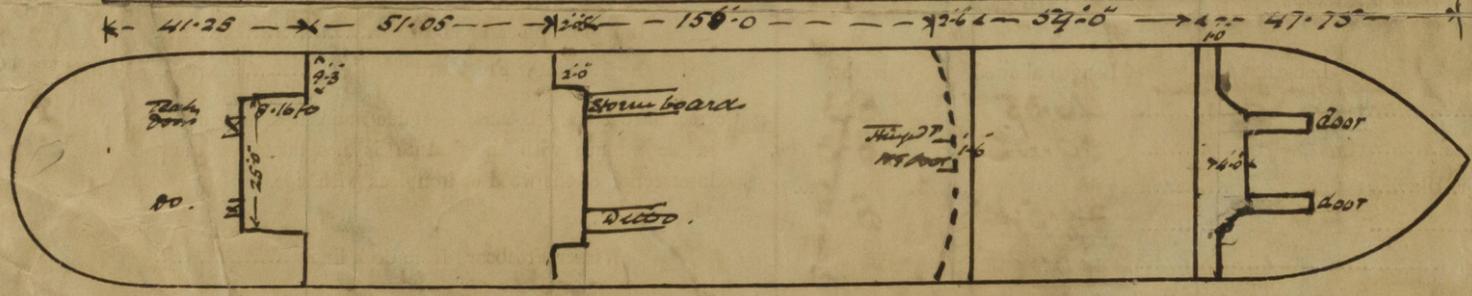
* When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.
 (If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.

What is the thickness of the Bridge Sheerstrake? *.64* Strake between Main and Bridge Sheerstrakes? *.58*
 Delete the words { The Crew ~~are not~~, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory. *Yes*
 Length of Bulwarks in well *. 34 x 62 1/2*
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = ~~12.7~~ Sq. ft.
 Ft. Tenths. Ft. Tenths. No. } Freeing Ports = *13.5* Sq. ft.
 3-0 x 1-5 x 3 (each side of vessel)
 Total deficiency or excess = *1.0* Sq. ft.



The approved drawings and a request for Survey accompany this report.



41-25
51-05
2-05
156-00
2-50
59-00
47-75
359-60

Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel. *This steamer is fitted with a poop Bridge and Forecastle. The space between the Poop & Bridge is decked over and Hatch framed fitted with web knockers in the openings at the ends forming a shelter.*

Owners *Burns Philp & Co.*
Sydney
 Received by me *[Signature]*

