

17-7-35
 Rpt. 11b.
 303711
 30560
 T. DEPT. WITTEN.

Index No. **30560**
 (For London Office only.)

Lloyd's Register of Shipping.

TUE. 25 JUL. 1922

SURVEYS FOR FREEBOARD.—STEAM SHIPS. No. 822.

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 Adelaide S.A.
 Date of Survey May 19th 1922.
 Name of Surveyor A.C. Hymn & Co. Surveyors

Messrs. Pole & Steele No. 2.
 Ship's Name RON KNOB
 Port of Registry and Nationality Newcastle, N.S.W. BRITISH
 Official Number 128.793
 Gross Tonnage 3348-92
 Date of Build 6.22.
 Particulars of Classification 100 A1. Shelter Deck with Freeboard Contemplated

Registered dimensions from Ship's Register.	LENGTH. <u>331-0</u>	BREADTH. <u>47-9</u>	DEPTH. <u>23-6</u>	UNDER DECK TONNAGE. <u>3012-15</u>
Length on LOADLINE.	<u>330-5</u>	Frame Depth 8 Rule <u>5 1/2</u>	Ceiling <u>4-20</u> Sheer <u>+ .47</u>	Peak <input checked="" type="checkbox"/> Tanks <input checked="" type="checkbox"/>
CORRECTED DIMENSIONS.	<u>330.5</u>	<u>47.49</u>	<u>24.27</u>	<u>3012-15</u>

Moulded Depth as measured... 26ft. 1"
 Addition for Keel below base line for draught record... 2 3/8 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... 330.5
 Length in Table... 313.0
 Difference... 17.5
 Correction for 10ft., Table A... 1.4 Table C.
 × Difference divided by 10... 2.45 (if required.)
 If 1/10ths length covered divide by 2 +1.22 +1 1/4

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

CORRECTION FOR ROUND OF BEAM.
 Breadth at Gunwale amidships... 47.9"
 Round of Beam... 12"
 Normal round... 12"
 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.

Co-efficient of fineness... .79
 Any modification necessary [Para. 4 (a) to (e)]* .02 DOUBLE BOTTOM
 Co-efficient as corrected... .77

Sheer (Stem... 102.5 at Sternpost... 68.25)
 $\div 2 = 85.375$... Mean
 Sheer at 1/3 of the length from Stem 46.5 Sternpost 29.7
 $76.375 \div 2 = 38.187$... Mean
 Gradual mean Sheer... 54.95
 Standard mean Sheer [Table, Para. 18]... 43.05 Correction
 Difference... 16.90 ÷ 4 = 4.25

§ If limited as Para. 18 (f) Sheer 1/4 L from Stem runs out, at 1/4 L from 5 post runs out
 Rise in Sheer from amidships [Para. 18 (c)]
 At front of bridge house...
 At after end of forecastle...
 Fall in Sheer [Para. 18 (d)]
 Length uncovered... Correction

Length of straight amidships $\div 2 = 160ft.$

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C... 2-11 1/2
 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) 5.7 1/2
 Difference... 2.8
 Percentage as below... 94.3%
30.17
 Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) ✓
 Allowance for Deck Erections... 30.25

	Length.	Length allowed.	Height.
Forecastle	<u>297.5</u>	<u>297.5</u>	<u>4-1 3/4</u>
Bridge House Shelter	<u>4-0</u>		<u>7-6 3/4</u>
† Raised Qu. Dk.			
Poop	<u>28-0</u>	<u>28.5</u>	<u>4-1 1/4</u>
† Closed Orphan	<u>1-0</u>		
Total	<u>330-5</u>	<u>326-0</u>	<u>2-25 = 1/2 Difference</u>
Length of Ship		<u>330-5</u>	<u>993</u>
Corresponding percentage (Para. 11, 12, 13, or 14)		<u>328.25</u>	<u>330.5</u>

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck:—
 Fresh Water Line above centre of Disc
 Indian Summer Line
 Winter Line below
 Winter North Atlantic Line

Freeboard, Table A... 5-11 3/4
 Correction for Sheer... 4 1/4
5-7 1/2
 Correction for Length... + 1 1/4
5-8 3/4
 Allowance for Deck Erections... 2-6 1/4
3-2 1/2
 Correction for Round of Beam...
 Correction for fall in Sheer (if any)...
 Correction for Iron Deck (if required)... 3 1/2
2-11
 Additions for non-compliance with provisions of Para. 11 (d) and (e) †
 Other Corrections (if any) ✓
 Winter Freeboard... 2-11
 Summer Freeboard... 2-6
 Indian Summer Freeboard... 2-1
~~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~~ ^{STEEL} deck with side. 1 3/4

Winter Freeboard from deck line... 3-0 3/4
 Summer " " " " 2-4 3/4
 Indian Summer " " " " 2-2 3/4
 N.A. Winter " " " " 2-7 1/2
- 6
- 5

† 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 amidship beam.
 § In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern-post. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and stern-post.

† 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? Bridge House? Forecastle?

To what height do the Reverse Frames extend? *Isherwood Type Shelter Deck*

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes Shelter Deck Tonnage Opening*

Give particulars of the means for closing the openings in Bulkhead

Is the Poop or Raised Quarter Deck connected with the Bridge House? Has the Bridge House an efficient Bulkhead at the fore end?

Give particulars of the means for closing the openings in Bulkhead

What is the thickness of the Bridge Front plating? and Coaming plate?

Give scantlings and spacing of the Stiffeners

Are bracket plates fitted at each end of the Stiffeners? Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks?

Has the Bridge House an efficient Iron Bulkhead at the after end?

How are the openings closed? *Tonnage Opening only in Bulkheads, Storm boards in Channels*

Is the Forecastle at least as high as the main or top-gallant rail? Has the Forecastle an efficient Iron or Wood Bulk'd. at after end?

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Yes Shelter deck and steel casing*

If the openings are not so protected are the exposed parts of the Casings efficiently constructed?

Give thickness of plating; scantlings and spacing of Stiffeners

What is the height of the exposed Casings? 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 - 24' 0" x 23' 0"		No 2 33' 4" x 23' 0"		No 3 - 8' 7 1/2" x 18' 0"		No 4 33' 4" x 23' 0"		No 5 - 22' 3" x 23' 0"	
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.										
Height above top of DECK	2ft 6in	2ft 6in	2ft 6in	2ft 6in	2ft 6in	2ft 6in	2ft 6in	2ft 6in	2ft 6in	2ft 6in
Thickness	Sides	.60	.60	.60	.60	.60	.60	.60	.60	.60
	Ends	.40	.40	.40	.40	.40	.40	.40	.40	.40
SHIFTING BEAMS OR WEB PLATES.	Number	4		5		1		5		4
	Section and Scantlings	2 1/2" x 3/8"		2 1/2" x 3/8"		2 1/2" x 3/8"		2 1/2" x 3/8"		2 1/2" x 3/8"
	Material	M. Steel		M. Steel		M. Steel		M. Steel		M. Steel
* FORE AND AFTERS.	Number		4 at 3 1/2" x 3 1/2" x 7/16 angles on all webs.							
	Section and Scantlings	None		None		None		None		None
	Material									
HATCHES Thickness	3"		3"		3"		3"		3"	
Remarks	Oregon Pine		Oregon Pine		Oregon Pine		Oregon Pine		Oregon Pine	

* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

(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? *.54* Strake between Main and Bridge Sheerstrakes? *.54*

Delete the words The Crew ~~are not~~ are not, berthed in the bridge house. The arrangements to enable them to get backwards and forwards from their quarters are, ~~not~~ satisfactory.

Length of Bulwarks in well *Amidships between deck erections on Shelter deck = 39ft*

Area of Freeing Ports required by Para. 11 (e) each side of vessel =

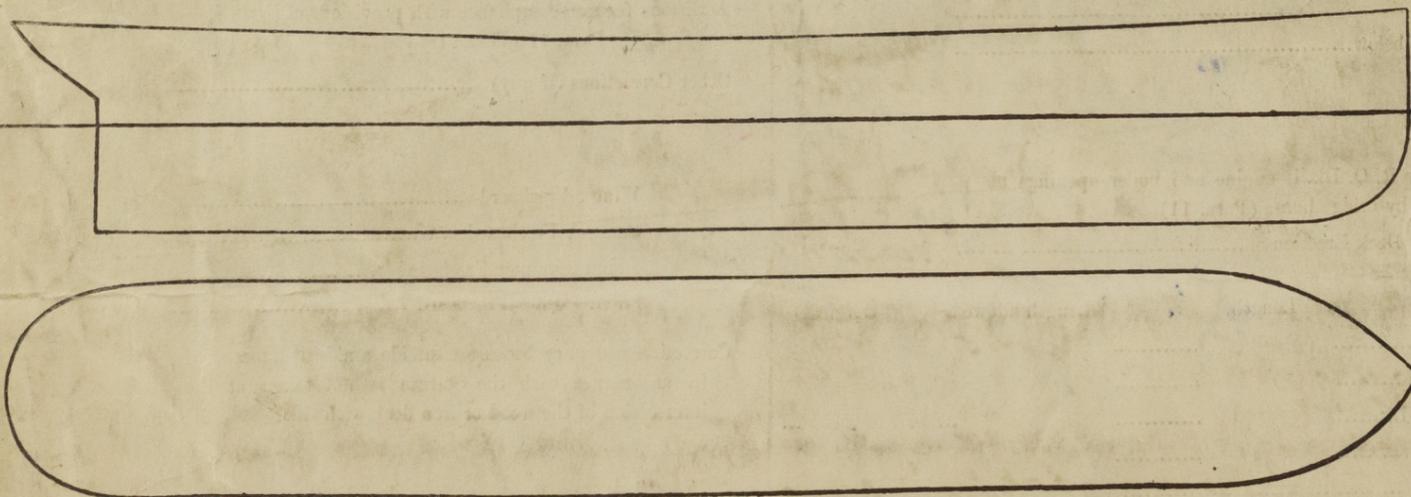
	Ft.	Tenths.	Ft.	Tenths.	No.
Shelter deck	2.	5	1.25		3
Bulwarks	2.	25	1.25		1 each
Amidships	2.	25	1.25		1 each
Tonnage Opn	2.	25	1.25		1 each
off upper deck					

Freeing Ports (each side of vessel) =

Sq. ft. *Open rail on Shelter deck*
8"-4" Scupper Shelter deck each side
5"-4" do Upper deck
One freeing port each side
Tonnage well
2ft. 3" x 1ft. 3"

Total deficiency or excess =

Sq. ft.



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 *None*

Owners *The Commonwealth Govt Line of Steamers*

Address *447 Collins St. Melbourne Australia*

No. *9 : 0 : 0* Received by me *See S. G. Report.*



© 2021

Lloyd's Register Foundation