

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH  
TOP FORECASTLES, SHORT POOPS, AND BRIDGE HOUSES DISCONNECTED, OR  
WITH GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS  
CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey Sunderland  
Date of Survey forwarding plan. 22/11/19  
Name of Surveyor James Dickie

Ship's Name. <u>B. P. Austin &amp; Son N<sup>o</sup> 293</u>	Port of Registry and Nationality. <u>✓</u>	Official Number. <u>✓</u>	Gross Tonnage. <u>✓</u>	Date of Build. <u>✓</u>	Particulars of Classification. <u>+100A1. Contemplated.</u>
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Registered Length <u>308.0</u>	Breadth <u>43.0</u>	Depth <u>19.75</u>	Under Deck Tonnage <u>2050</u>
Length on Loadline <u>307.25</u>	Frame Depth Rule <u>9 5/2</u>	Ceiling Sheer <u>+20 +74</u>	Peak Tanks <u>included</u>
Corrected Length <u>307.25</u>	<u>42.42</u>	<u>20.69</u>	<u>2050</u>

Moulded Depth from plans. 22.0  
 Addition for Keel below base line for draught record 1 3/4 inches.

NOTE.— If the depth is measured when a vessel is afloat, the details of measurement should be reported.

Efficient of fineness .760  
 Modification necessary [Para. 4 (a) to (e)]\* Cells B - 02  
 Efficient as corrected .74

CORRECTION FOR LENGTH.

Length of Ship on Loadline	<u>307.25</u>
Length in Table	<u>260.50</u>
Difference	<u>46.75</u>
Correction for 10ft. Table A	<u>1.2</u>
Table C	<u>.6</u>
× Difference divided by 10	<u>5.61</u>
(if required.)	<u>2.80</u>
If 1/10ths length covered divide by 2	<u>+5 1/2</u>
	<u>+2 3/4</u>

Mean Sheer at 1/5 of the length from Stem 90 } 135 ÷ 2 = 67.5 Mean 37.12  
 Sternpost 45 } .55 = 67.5  
26.78 ÷ 36 = .74  
 Mean Sheer at 1/5 of the length from Stem 49.5 } 74.25 ÷ 2 = 37.12 Mean  
 Sternpost 24.75 }  
 Standard mean Sheer [Table, Para. 18] 40.72 Correction  
 Difference 26.78 ÷ 4 = 6.695  
 Limited as Para. 18 (f) -6 3/4

CORRECTION FOR IRON DECK.  
 Proportion covered, if less than 1/10ths length covered .385  
 Thickness of usual wood deck, less than 1/2 inch Correction to moulded depth

Allowance for Deck Erections:—  
 Standard mean Sheer [Table, Para. 18] 40.72  
 Difference 26.78 ÷ 4 = 6.695  
 Limited as Para. 18 (f) -6 3/4

CORRECTION FOR ROUND OF BEAM.  
 Breadth at Gunwale amidships 42.0  
 Round of Beam 1 1/2  
 Normal round 1 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.

Forecastle 29.0 Length allowed 29.0 Height 7.6  
 Bridge House 66.0 64.5 7.6  
 † Raised Qr. Dk. 25.0 25.0 7.6  
 Total 118.5 = 385.6  
 Length of Ship 307.25  
 Corresponding percentage (Para. 12, 13, or 14) 24 1/10

Freeboard, Table A	<u>4.54</u>
Correction for Sheer	<u>-6 3/4</u>
Correction for Length	<u>3.9</u>
Allowance for Deck Erections	<u>4.22</u>
Correction for Round of Beam	<u>-6 3/4</u>
Correction for fall in Sheer (if any)	<u>✓</u>
Correction for Iron Deck (if required)	<u>✓</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<u>✓</u>
Other Corrections (if any)	<u>✓</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 " " "

Winter Freeboard	<u>3.9 3/4</u>
Summer Freeboard	<u>3.4 3/4</u>
Indian Summer Freeboard	<u>3.1 3/4</u>
N. A. Winter Freeboard	<u>3.9 3/4</u>
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the <del>wood or iron</del> <u>STEEL</u> deck with side.	<u>+1 3/4</u>
Winter Freeboard from deck line	<u>3.9 1/2</u>
Summer " " " "	<u>3.6 1/2</u>
Indian Summer " " " "	<u>3.3 1/2</u>
N. A. Winter " " " "	<u>3.1 1/2</u>
Winter Freeboard from deck line	<u>3.6 1/2</u>
Summer " " " "	<u>4 1/2</u>
Indian Summer " " " "	<u>3</u>
N. A. Winter " " " "	<u>5</u>

28.11.19

STATE DIMENSIONS OF FREECING PORT AREA ON BACK OF THIS FORM.  
 The Surveyor should state whether the fall in shear 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 line forward and aft should be reported.

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 obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the B.Q.D. is to be taken from the level of the top of the amidship beam.  
 In vessels having total standard mean sheer means the sheer measured at the stem and sternpost, and in vessels having poops and forecastles, it means the sheer measured at points distant from the stem and sternpost.

Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *Yes* Bridge House? *Ultimately Fore*

To what height do the Reverse Frames extend? *Bulk-angle Framing*

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

Give particulars of the means for closing the openings in Bulkhead

Is the Poop or Raised Quarter Deck connected with the Bridge House? *No* Has the Bridge House an efficient Bulkhead at the fore end? *Yes*

Give particulars of the means for closing the openings in Bulkhead *No openings*

What is the thickness of the Bridge Front plating? *.36* and Coaming plate? *.40*

Give scantlings and spacing of the Stiffeners *7 x 3 x 56 Bulk-angles, spaced 30" apart.*

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? *Class A appliances. Two openings.*

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? *Yes*

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

What is the height of the exposed Casings? *7'0" & 3'8"* Are suitable means provided for closing all openings in them in bad weather? *Will be*

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:— *Will be*

Position and Size.		Ship.	Rule.								
COAMING.	Height above top of DECK										
	Thickness { Sides..... Ends.....										
SHIFTING BEAMS OR WEB PLATES.	Number .....										
	Section and Scantlings .....										
	Material .....										
* FORE AND AFTERS.	Number .....										
	Section and Scantlings .....										
	Material .....										
HATCHES Thickness .....											
Remarks.....											

*As per Rule*

\* 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? \_\_\_\_\_ Strake between Main and Bridge Sheerstrakes? \_\_\_\_\_

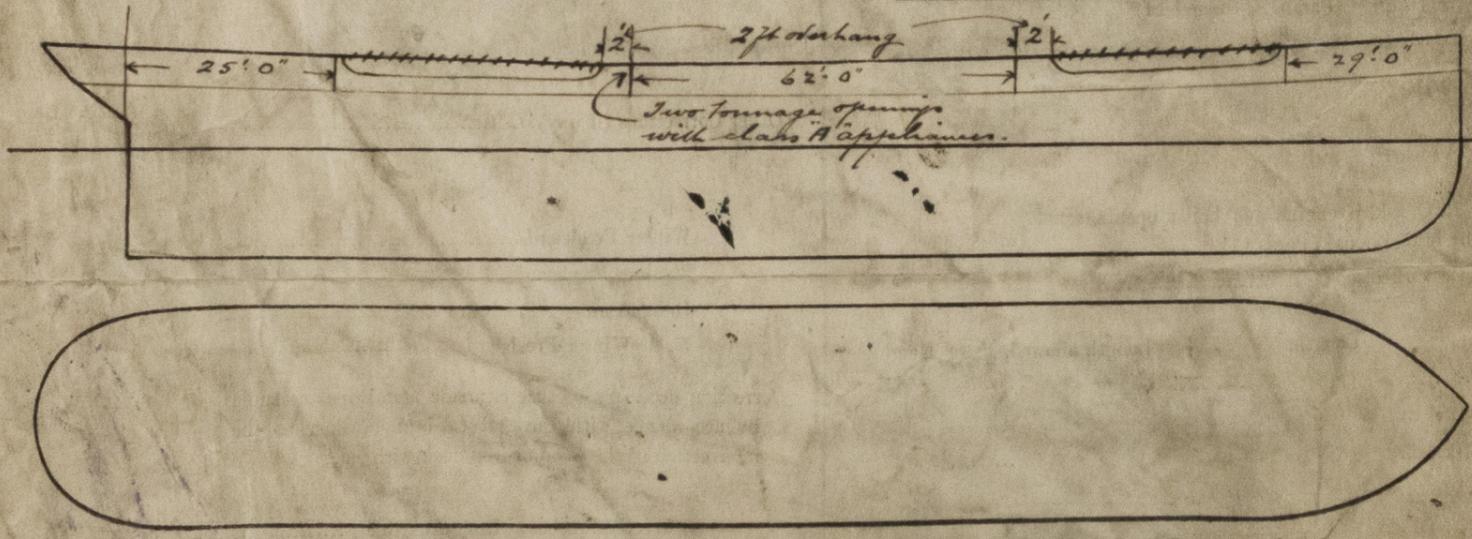
Delete the words } The Crew are, are not, berthed in the bridge house.  
that do not apply } The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well \_\_\_\_\_

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

Ft.	Tenths.	Ft.	Tenths.	No.	} Freeing Ports (each side of vessel) = _____ Sq. ft.
x		x			
x		x			

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

Owners \_\_\_\_\_  
" Address \_\_\_\_\_

Received by me \_\_\_\_\_