

Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Particulars relating to all steam ships either flush decked, or with top gallant fore-castles, short poops and bridge houses disconnected, or with top gallant fore-castles having long poops, or raised quarter decks connected with bridge houses, or otherwise.

Port of Survey *Greenock*
 Date of Survey *23 July 1912*
 Name of Surveyor *J. Bennett*

Ship's Name **INFANTA ISABEL** Port of Registry *badajoz* Official Number Gross Tonnage Date of Build *Building* Particulars of Classification *+100 A 1 Shade SK (contemplated)*

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	459.5	58.25	22.35	4072.51
Length on LOADLINE.	457.25	Frame Depth Rule " 62	Ceiling fitted Sheer $2\frac{1}{2}$ Tank top level	Peak included Tanks 8.3 for 11 frames in 24 ft space deduct 6.7 for 8 frames in aftermost hold (9 to 42) add in fore hold
CORRECTED DIMENSIONS.	457.25	57.83	30.05	5553.16

Moulded Depth as measured..... *32-0*

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.....	457.25
Length in Table	384
Difference	73.25
Correction for 10ft., Table A.	1.6
× Difference divided by 10	11.72 (if required.)
If $\frac{1}{10}$ ths length covered divide by 2	+ 5 $\frac{3}{4}$

Co-efficient of fineness..... *6988*
 Any modification necessary [Para. 4 (a) to (e)]* *cell 5B*
 Co-efficient as corrected *68*

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered	6185
Thickness of usual wood deck, less stringer	$3\frac{1}{2}$
<i>2 1/2 sheathing on steel deck</i>	$-\frac{1}{2}$

Sheer { Stem..... *114* } $162 \div 2 = 81$ Mean
 at { Sternpost ... *48* }
 Sheer at $\frac{1}{3}$ of the length from { Stem *62.7* } $189.1 \div 2 = 44.55$ Mean
 { Sternpost *26.4* } $\div 55 = 81$
 Gradual mean Sheer

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	
Round of Beam	<i>14 1/2</i>
Normal round.....	
Difference	$\div 2 =$
Proportion of Deck uncovered (Para. 19)	

Rise in Sheer { At front of bridge house..... }
 from amidships [Para. 18 (e)] { At after end of fore-castle

Fall in Sheer { Para. 18 (d) } $\div 2 =$
 Length uncovered

Freeboard, Table A	<i>7 - 11 1/2</i>
Correction for Sheer	$-\frac{2 3}{4}$
Correction for Length	$+\frac{7 - 8 1/4}{5 1/2}$
Allowance for Deck Erections	$-\frac{8 - 2 1/2}{1 - 3 1/2}$
Correction for Round of Beam.....	$6 - 11 1/2$
Correction for fall in Sheer (if any).....	
Correction for Iron Deck (if required)	$-\frac{1}{2}$
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	$6 - 10 1/2 11$
Other Corrections (if any)	

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	<i>4 - 11 1/2</i>
Correction for Length, if required (Para. 12, 13, and 14)	$4 - 10 1/2$
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14)	$7 - 11 1/2$
Difference	$3 - 10$
Percentage as below.....	41.85
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)	$15 1/2$
Allowance for Deck Erections	15

Winter Freeboard	$6 - 10 1/2 11$
Summer Freeboard	$6 - 4 1/2$
Indian Summer Freeboard	$5 - 9 1/2 10$
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.	$12 1/4$
Winter Freeboard from deck line	$7 - 0 1/4 1/4$
Summer " " " "	$6 - 5 3/4 6 1/4$
Indian Summer " " " "	$5 - 11 3/4 1/4$
N. A. Winter " " " "	$6 - 5 1/2 6$

	Length.	Length allowed.	Height.
Fore-castle, <i>by it closed</i>	<i>87-9</i>	<i>77.54</i>	} $7-6$
Bridge House	<i>14-9</i>	<i>115.58</i>	
† Raised <i>Opening</i>	<i>25-8</i>	<i>89.7</i>	
Poop..... <i>81. closed</i>	<i>97-11</i>	<i>282.82</i>	
Total	<i>127-3</i>	<i>457.25</i>	6185

Corresponding percentage (Para. 11, 12, 13, or 14) *41.85*

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck: *6" 6" 6"*

Fresh Water Line above centre of Disc	$6 1/2$
Indian Summer Line " " <i>Amended Table March, 1909.</i>	$6 1/2$
Winter Line below " "	$6 1/2$
Winter-North Atlantic Line " "	$6 1/2$

MARKING FORM 25 APR 1912

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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 planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.
 † In vessels other than those having an allowance for deck erections under Para. 11 where the sheer drops about amidships the allowance for deck erections 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 fore-castles, it means the sheer measured at points distant one eighth of the vessel's length from stem and stern-post.

187
A

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Do all the Frames extend to the top height in the Poop? *yes* Raised Quarter Deck? *complete shade deck* Bridge House *yes* Forecastle? *yes*
 To what height do the Reverse Frames extend? *to a 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 *wood door*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *complete shade deck* Has the Bridge House an efficient Bulkhead at the fore end? *open bridge*
 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? *open bridge*
 How are the openings closed? *✓*
 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? *by shade deck*
 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? *✓*
 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:— *yes*

Position and Size.	no 1 13-6 x 14		no 2 15-9 x 16		no 3 13-6 x 14		no 4 11-3 x 14		Ship.	Rule.
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.		
COAMING.	Height above top of DECK	18	18	18	18	18	18	18		
	Thickness {	Sides.....	.4	.4	.4	.4	.4	.4	.36	.36
		Ends.....	.36	.36	.36	.36	.36	.36	.36	.36
SHIFTING BEAMS OR WEB PLATES.	Number	2	2	2	2	2	1	1		
	Section and Scantlings	27x22x34	16x12x34	same as no 1	22x15x34	same as no 1	16x12x34	same as no 1	18x13x34	
	Material	4x3x4 angles top and bottom 6 plange bottom	3x3x4 angles top and bottom		4x3x4 angles top and bottom		3x3x4 angles top and bottom		4x3x4 angles top and bottom	
* FORE AND AFTERS.	Number									
	Section and Scantlings	<i>none</i>								
	Material	<i>none</i>								
HATCHES Thickness	<i>all 3"</i>									
Remarks.....	<i>✓</i>									

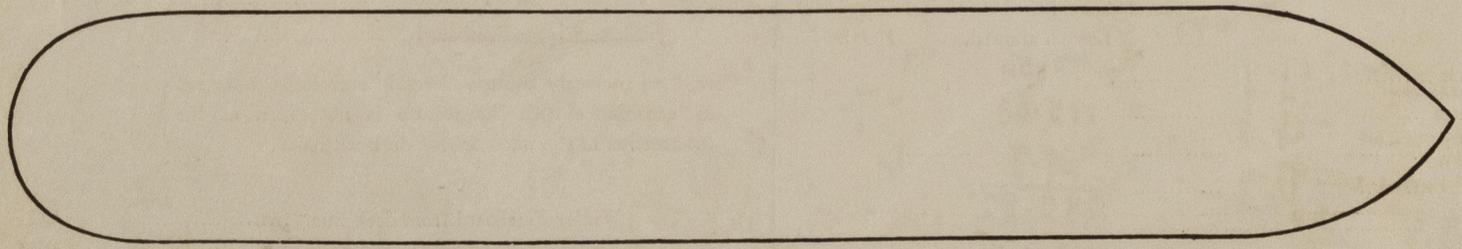
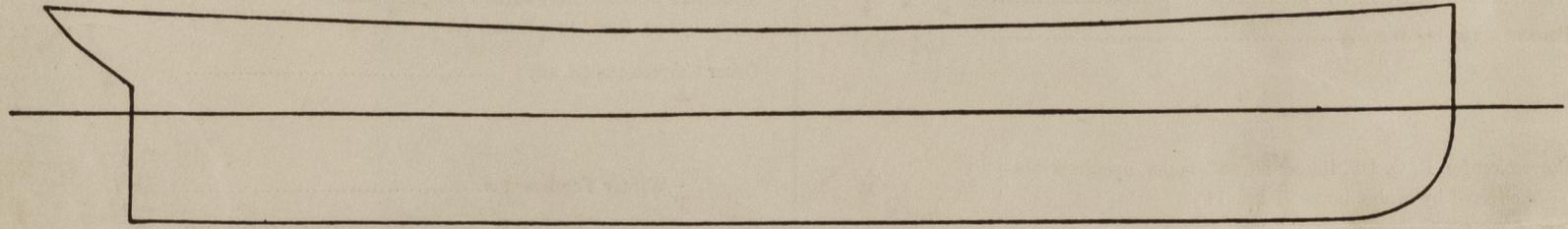
* When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.
 (If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower 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? *.82* Strake between Main and Bridge Sheerstrakes? *.74*

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.
 × × }
 × × }
 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 *cellular double bottom*
Complete shade deck with opening on each side forward and aft without covers See outline plan forwarded herewith assigned 26/2/12. The sill of the lowest port is 27-7 and the lowest side light brackets Russell & Co 30-0 above the keel

Address *Port Glasgow*

Fee £ : : Received by me

