

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 Cardiff
Date of Survey 30th and 31st Dec 1940
Name of Surveyor A.C. Hunter.

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
ELIZABETE	<u>Cardiff, British</u>	<u>167820</u>	<u>2039</u>	<u>1917-7</u>	<u>+100A1.</u>

Registered Dimensions from P's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>251.0</u>	<u>43.5</u>	<u>18.0</u>	<u>1678.78.</u>
Length on LOADLINE.	<u>251.0</u>	Frame Depth <u>8</u> Rule " <u>5/3</u> <u>x 2 = -50/3</u> <u>No sparring +.33</u>	Ceiling <u>No +.20</u> Sheer <u>+ .61</u> <u>3" drop in tank +.12</u>	Peak <u>1 incl.</u> Tanks
CORRECTED DIMENSIONS.	<u>251.0</u>	<u>43.33</u>	<u>18.93</u>	<u>1678.78</u>

Moulded Depth as measured..... 20'-2 1/2"
Addition for Keel below base line for draught record..... inches.

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

Co-efficient of fineness..... .82
Any modification necessary [Para. 4 (a) to (e)]* C.D.B.
Co-efficient as corrected..... .80.

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>251</u>
Length in Table	<u>242.5</u>
Difference	<u>8.5</u>
Correction for 10ft., Table A.	<u>1.2</u>
× Difference divided by 10	<u>1.02</u>
If 1/10ths length covered divide by 2	<u>+1</u>
Table C.	<u>.6</u>
(if required.)	<u>.51</u>
	<u>+ 1/2"</u>

Sheer { Stem..... 71.5 } 113.75 ÷ 2 = 56.87 Mean
 at { Sternpost 41.25 } 36) 21.94

Sheer at 1/8 of the length from { Stem 44.625 } 62.75 ÷ 2 = 31.37 Mean
 { Sternpost 18.125 } ÷ 55 = 57.04

Gradual mean Sheer allowed 56.95
 Standard mean Sheer [Table, Para. 18] 35.10 Correction
 Difference..... 21.85 ÷ 4 = 5.5
 § If limited as Para. 18 (f) - 5 1/2"

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered	<u>462</u>
Thickness of usual wood deck, less stringer	<u>3 1/2"</u>
	<u>1.62</u>
	<u>- 1/2"</u>

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

Fall in Sheer [Para. 18 (d)] { 2 1/2" ÷ 2 = 1 1/4"
Length uncovered Bridge fitted Correction

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>43.5</u>
Round of Beam	<u>12</u>
Normal round.....	<u>10.875</u>
Difference	<u>1.125 ÷ 2 = .56</u>
Proportion of Deck uncovered (Para. 19)	<u>534</u>
	<u>30, - 1/4"</u>

NOTE.— The round of beam should be reported on the full breadth of vessel at the gunwale.

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	<u>1'-5 3/4"</u>
Correction for Length, if required (Para. 12, 13, and 14)	<u>+ 0 1/2"</u>
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14) }	<u>3'-7 3/4"</u>
Difference	<u>2'-1 1/2"</u>
Percentage as below.....	<u>29.34%</u>
	<u>7.48</u>

Freeboard, Table A	<u>4'-0 1/4"</u>
Correction for Sheer	<u>- 5 1/2"</u>
	<u>3'-6 3/4"</u>
	<u>+ 1</u>
Correction for Length	<u>3'-7 3/4"</u>
	<u>- 7 1/2"</u>
Allowance for Deck Erections	<u>3'-0 1/4"</u>
Correction for Round of Beam.....	<u>- 0 1/4"</u>
	<u>3'-0"</u>
Correction for fall in Sheer (if any).....	<u>1"</u>
Correction for Steel Deck (if required)	<u>- 1 1/2"</u>
	<u>2'-10 1/2"</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	✓
Other Corrections (if any)	✓

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) ✓
Allowance for Deck Erections - 7 1/2"

Winter Freeboard	<u>2'-10 1/2"</u>
Summer Freeboard	<u>2'-7 1/2"</u>
Indian Summer Freeboard	<u>2'-4 1/2"</u>
N. A. Winter Freeboard	<u>3'-0 1/2"</u>

	Length.	Length allowed.	Height.
Forecastle.....	<u>26.0</u>	<u>26.0</u>	<u>7.0'</u>
Bridge House	<u>64.0</u>	<u>64.0</u>	<u>7.0'</u>
† Raised Qr. Dk.....	✓	✓	✓
Poop.....	<u>27.0 (incl 20 overhang)</u>	<u>26.0</u>	<u>7.0'</u>
Total	<u>117.0</u>	<u>116</u>	<u>= .462</u>
Length of Ship	<u>251.0</u>	<u>251</u>	

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or steel deck with side.

Corresponding percentage (Para. 11, 12, 13, or 14) } 29.34%

Winter Freeboard from deck line	
Summer " " " "	
Indian Summer " " " "	
N. A. Winter " " " "	

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:—

Tropical Fresh Water Line above Centre of Disc ...	<u>7 1/2"</u>
Fresh Water Line " "	<u>4 1/2"</u>
Tropical Line " "	<u>3"</u>
Winter Line below " "	<u>3"</u>
Winter North Atlantic Line " "	<u>5"</u>

Tropical Fresh Water Freeboard ...	<u>2'-7 1/4"</u>
Fresh Water " "	<u>1'-11 3/4"</u>
Tropical " "	<u>2'-2 3/4"</u>
Winter " "	<u>2'-4 1/4"</u>
Winter North Atlantic " "	<u>2'-10 1/4"</u>
	<u>3'-0 1/4"</u>

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Do all the Frames extend to the top height in the Poop? Raised Quarter Deck? Bridge House? Forecastle?

To what height do the Reverse Frames extend?

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

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?

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? }

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 the Rules? Give particulars below:—

Position.	Size.									
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.....										

* 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 keel to lower edge of lowest side scuttle.)

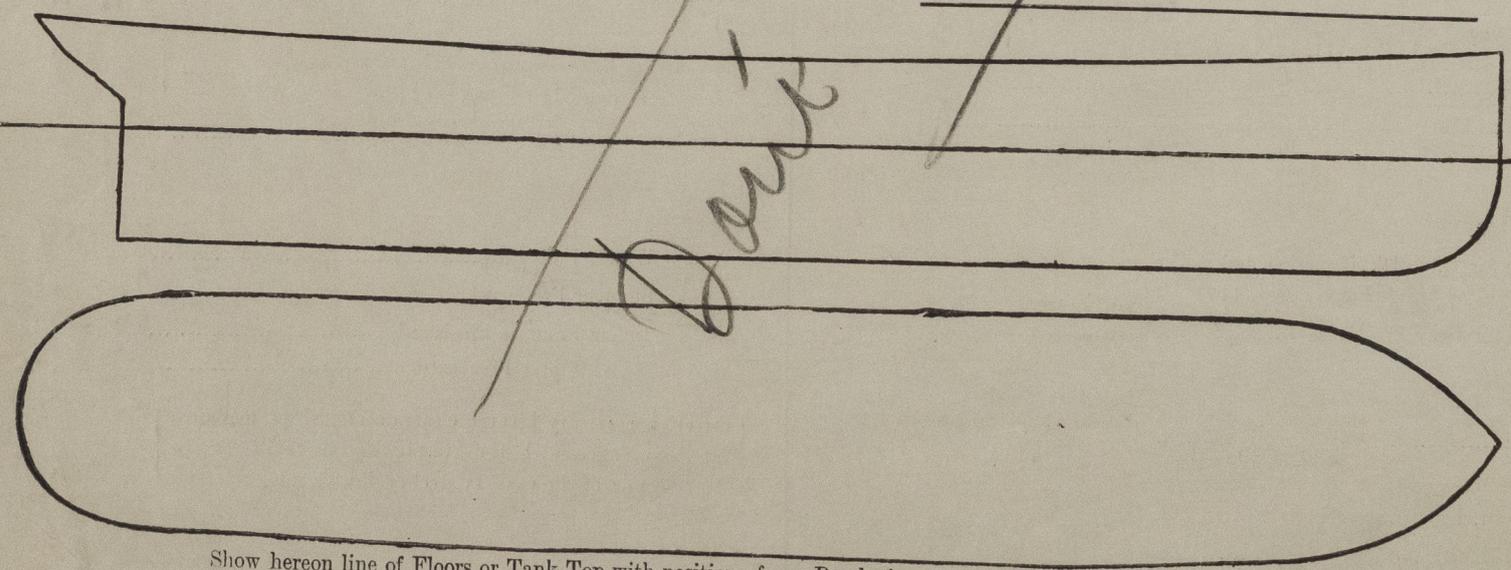
The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.

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)	=
× × ×		
× × ×	} Total deficiency or excess	=



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

Builder's name and yard number

Names of sister vessels

Owners

Address

Fee £

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