

Worcester
Badia 20107

Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD.-STEAM SHIPS.

JUN 1909

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 PLYMOUTH

Date of Survey April 1909

Name of Surveyor J. J. Long

20295

Ships Name. <u>Vivica</u>	Port of Registry and Nationality. <u>London British</u>	Official Number. <u>129004</u>	Gross Tonnage. <u>150.08</u>	Date of Build. <u>1909</u>	Particulars of Classification. <u>100A1 contemplated</u>
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Registered dimensions from Ship's Register.	LENGTH. <u>96.2'</u>	BREADTH. <u>20.6'</u>	DEPTH. <u>10.9'</u>	UNDER DECK Tonnage. <u>133.29</u>
Length on LOADLINE	<u>94.0</u>	Frame Depth <u>4"</u>	Ceiling Rule <u>3</u>	Peak Tanks
CORRECTED DIMENSIONS.	<u>94</u>	<u>20.44</u>	<u>10.9</u>	<u>133.29</u>

Moulded Depth as measured..... 11-4"
 Top of beam at middle to top of keel bottom of frame } 11-9"
 Less round of beam - - - - 5 1/2" = 11-4"

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

* frame 4" x 2 1/2" x 1/20" = .16

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>94</u>
Length in Table	<u>136</u>
Difference	<u>42</u>
Correction for 10ft., Table A.	<u>.9</u>
x Difference divided by 10	<u>3.78</u>
If 1/10ths length covered divide by 2	<u>3 3/4</u>

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered

Thickness of usual wood deck, less stringer.....

wood deck except amidships

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 20.6

Round of Beam..... 5.5

Normal round

Difference

Proportion of Deck uncovered (Para. 19)

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

Freeboard, Table A

Correction for Sheer

Correction for Length

Allowance for Deck Erections

Correction for Round of Beam.....

Correction for fall in Sheer (if any)

Correction for Iron Deck (if required) wood deck

Additions for non-compliance with provisions of

Other Corrections (if any) 5 feet trim by stern

Winter Freeboard

Summer Freeboard

Indian Summer Freeboard

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.

Winter Freeboard from deck line

Summer " " " "

Indian Summer " " " "

N.A. Winter, " " " "

Iron Deck 2 1/2

Amended Tables March 1906.

† 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 total load draft for the vessel, should be reported.

1-7 1/2
 1-6 3/4
 - 3 3/4
 1-2 3/4

- 2 1/2

+ 2 1/2

1-2 3/4

1-1 3/4

1-3 3/4

1-2 3/4

1-2 1/2

2 1/2

1-2 1/2

1-2 1/2

Efficient of fineness63

Modification necessary [Para. 4 (a) to (e) *]

Efficient as corrected Lowest in table .68

Stem... 30 } $52 \frac{1}{4} \div 2 = 26 \frac{1}{8}$... Mean

Sternpost... 22 1/4

at 1/2 of the length from { Stem 10 3/4 } $23 \frac{1}{2} \div 2 = 11 \frac{3}{4}$ Mean

Sternpost 12 3/4

Actual mean Sheer 21.36

Standard mean Sheer (Table, Para. 18) 19.4 Correction

Difference..... 1.96 $\div 4 = .49$

If limited as Para. 18 (f)..... Same as .49

Rise in Sheer { At front of bridge house.....

from amidships { At after end of forecastle

Para. 18 (e)]

Fall in sheer { $\div 2 =$

Para. 18 (d) }

Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS :-

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) }

Difference

Percentage as below.....

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }

Allowance for Deck Erections

	Length.	Length allowed.	Height.
Forecastle.....			
Bridge House			
Raised Qr. Dk.....			
Total			
Percentage of Ship			

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

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	" " "	...

9-6-09

† 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 having 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 sternpost. In vessels having poops and forecastles it means the sheer measured at points distant one-eighth of the vessel's length from stem and sternpost.

† 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 total load draft for the vessel, should be reported.

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RECEIVED 19 JUN 1909

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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? *5/16"* and Coaming plate? *5/16"*

Give scantlings and spacing of the Stiffeners *3 x 2 1/2 x 6/16" 24 to 30 ft 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? *Iron doors*

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?

*Eng openings steel coaming, leak top with covers on hinges
Boiler steel deck house with bridge over*

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 *5/16" 3 x 2 1/2 x 6/16" 24 to 30 ins apart*

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.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	
COAMING.	Height above top of DECK	<i>one cross Bulkhead hatch</i>								
	Thickness { Sides.....	<i>8'-0" x 4'-4" x 2'-6" high</i>								
	Ends.....	<i>1/4 plate + wood hatch, 2" thick iron battens + tarpaulin cover</i>								
SHIFTING BEAMS OR WEB PLATES.	Number.....	<i>one hold hatch</i>								
	Section and Scantlings.....	<i>4'-6" x 3'-1" x 12" high</i>								
	Material.....	<i>Similar to cross bulkhead hatch.</i>								
FORE AND AFTERS.	Number.....	<i>Note - There are no side lights or scuttles fitted to this vessel.</i>								
	Section and Scantlings.....	<i>There is no wood deck laid on the steel deck in way</i>								
	Material.....	<i>of the boiler casing for a length of 18 1/2 feet each side.</i>								
HATCHES	Thickness.....									
	Remarks.....									

* 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? _____

Strake between Main and Bridge Sheerstrakes? _____

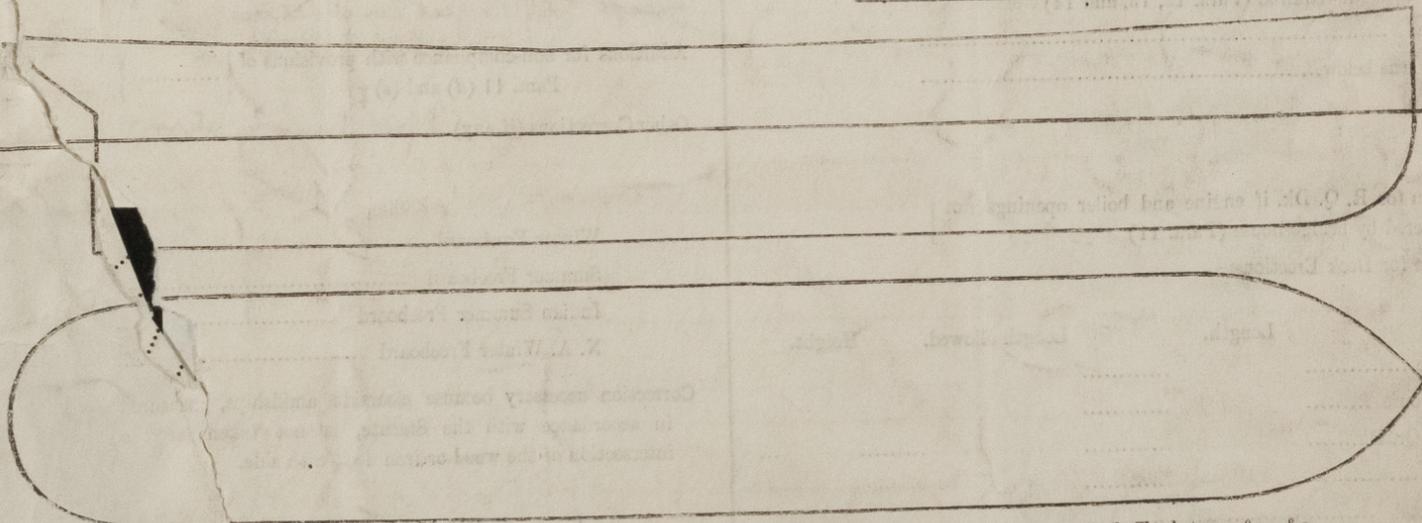
Delete the words { The Crew are, are not, berthed in the bridge house.
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well _____

Area of Freeing Ports required by Para. 11 (a) 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 *The outer plating of this vessel*

is doubled from stem to collision bulkhead up to the water line

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Received by me *Justo Lang*



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