

Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

No. 16924

MON. 11 OCT. 1915

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 Greenock.Date of Survey Built under special survey.Name of Surveyor Robert Howie.

Ship's Name. S.S. "PORTO GRANDE"
 Number in Register Book 10092
 Port of Registry and Nationality. St. Vincent
 Official Number. 198
 Gross Tonnage. 198
 Date of Build. 1915
 Particulars of Classification. +100A1 (Contemplated) (Long framing)

Registered Dimensions from P's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>97.3</u>	<u>23.6</u>	<u>10.0</u>	<u>170.32</u>
Length on LOADLINE.	<u>97.3</u>	Frame Depth <u>6"</u> Rule <u>3"</u> <u>3.2.6" = .50</u> <u>no spanning = frame to floor</u> <u>+ .25</u>	Ceiling + <u>16"</u> Sheer + <u>.25</u> Depth of long <u>6.12" = .50</u> to top of ord. plane	Peak } Included Tanks } in Tonnage Tonnage from top of long frame to top of ord. plane = <u>7.30</u>
RECTED DIMENSIONS.	<u>97.3</u>	<u>23.35</u>	<u>9.91</u>	<u>163.02</u>

efficient of fineness..... .72 ✓modification necessary }
Para. 4 (a) to (e)]*

efficient as corrected

Stem..... 43"
 Sternpost .. 18.25
 $61.25 \div 2 = 30.62$ Mean

at $\frac{1}{8}$ of the length from { Stem 22"
 Sternpost 9.75
 $31.75 \div 2 = 15.87$ Mean
 $15.87 - 55 = 28.85$

dual mean Sheer 28.85dard mean Sheer [Table, Para. 18] 19.73 CorrectionDifference..... 9.12 $\div 4 = 2.28$ ✓limited as Para. 18 (f)..... - 2.4 ✓

fall in Sheer { At front of bridge house.....
 amidships { nil
 Para. 18 (e)] At after end of forecastle

all in Sheer }
 Para. 18 (d) } Lowest point of sheer amidships.
 gth uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

board, Table C.....

ection for Length, if required (Para. 12, 13, and 14)

board by Table A. corrected for sheer, and for length, }
if required (Para. 12, 13, and 14)

rence

ntage as below.....

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

ance for Deck Erections

	Length.	Length allowed.	Height.
astle.....			
e House			
sed Qr. Dk.....			
.....			
Total			
h of Ship			
responding 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	"	"	"	...	...	...	...

* 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.

Moulded Depth as measured..... 10'-0"

Wood deck less stringers - 2 1/2 ✓
9-9 1/2

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..... 97.3 ✓Length in Table 117.5 ✓Difference 20.2 ✓Correction for 10ft., Table A.8 Table C.× Difference divided by 10 1.616 (if required.) ✓If $\frac{1}{10}$ ths length covered divide by 2 ✓
= -1 1/2 ✓

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered

Thickness of usual wood deck, less stringer

Allowed for in reduced moulded depth.

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 23'-6"Round of Beam 6"Normal round..... 5 7/8 ✓Difference 1/8 $\div 2 = 1/16$ ✓

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 1'-4" ✓Correction for Sheer 2 1/4 ✓Correction for Length 1-13/4 ✓Allowance for Deck Erections 1-0 1/4 ✓

Correction for Round of Beam..... ✓

Correction for fall in Sheer (if any)..... ✓

Correction for Iron Deck (if required)

Allowed for in reduced moulded depth ✓

Additions for non-compliance with provisions of {

Para. 11 (d) and (e) † {

Other Corrections (if any) ✓

Winter Freeboard 1'-0 1/4" ✓Summer Freeboard 11 1/4 ✓Indian Summer Freeboard 10 1/4 ✓N. A. Winter Freeboard 1-2 1/4 ✓

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. + 1 1/2

Winter Freeboard from deck line 1-1 3/4Summer " " " 1-0 3/4Indian Summer " " " 11 3/4N. A. Winter " " " 1-3 3/4Wood (Iron) Deck:— 1'-0 1/2" ✓Fresh Water Line 2 ✓Indian Summer Line -1 ✓Winter Line -1 ✓Winter North Atlantic Line -3 ✓

† 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.

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Longitudinal framing as per approved plans.

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? ☒ Strong steel casing.
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 ☒ 28 Stiffeners 2 1/2 x 2 1/2 x 5/16 angles spaced 30".
What is the height of the exposed Casings? ☒ 30" 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:— ☒ No cargo hatchways, only trunks to tanks as approved.

Position and Size.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Item.										
Height above top of DECK										
Thickness { Sides.....										
Ends.....										
Number.....										
Section and Scantlings.....										
Material.....										
Number.....										
Section and Scantlings.....										
Material.....										
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.) ☒ No sidelights.

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? ☒

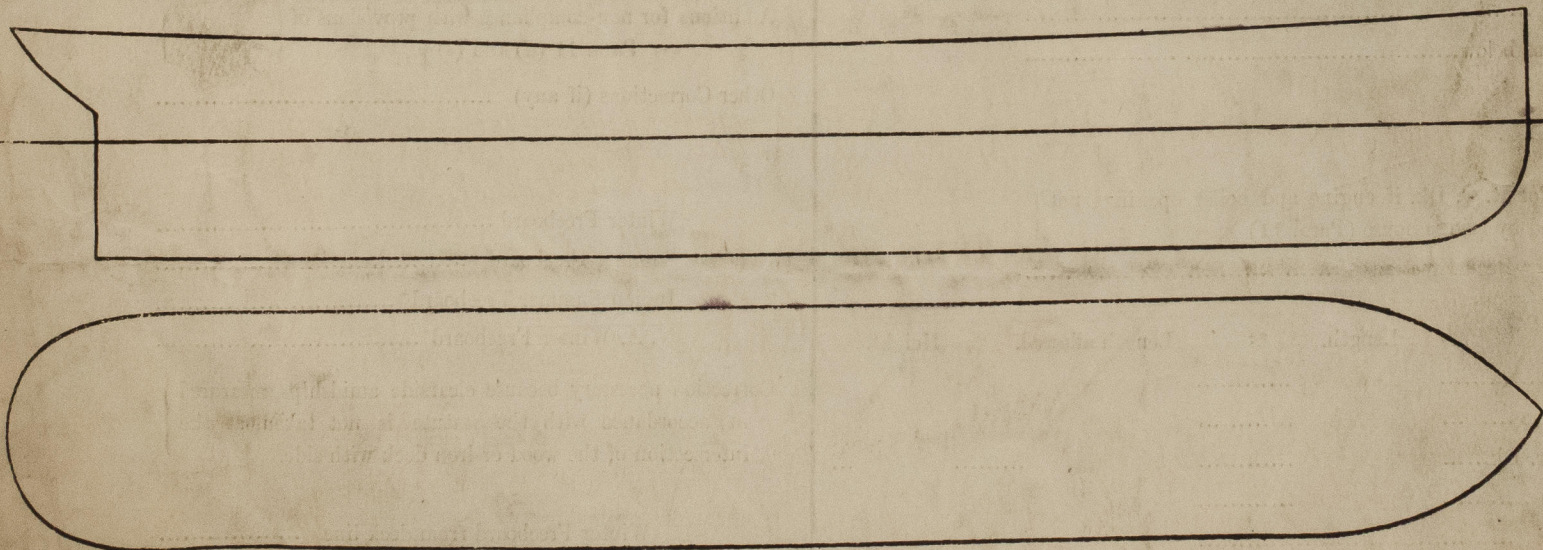
Delete the words { The Crew ~~are~~, are not, berthed in the bridge house.
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, ~~unsatisfactory~~ satisfactory.

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; Vessel constructed as a water carrier in accordance with the approved plans (2) forwarded herewith for reference. No passengers carried. $Kal + \frac{3}{4}$.
Freeboard request form forwarded herewith.

Owners

Address

Fee £

Received by me



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