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(For London Office only.)

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

PART I SURVEYS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH
ANY 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 NEWCASTLE-ON-TYNE
Date of Survey During Building.
Name of Surveyor J. B. Books.

Ship's Name	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>CHANNEL QUEEN.</u> Messrs C. Rennoldson & Co's No. 195. Number in Register Book	<u>London</u> <u>British.</u>	<u>146138</u>	<u>700</u> <u>(approx)</u>	<u>1921</u>	<u>+ 100 A.I. Contemplated.</u>
Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.	
	<u>180.4</u>	<u>28.0</u>	<u>12.15</u> <u>to ceiling</u>	<u>489.69</u>	Moulded Depth as measured..... <u>14.6</u>
Length on LOADLINE.	<u>180.0</u>	Frame Depth 6 Rule „ $3\frac{1}{2}$ Diff. $2\frac{1}{2} \times 2$ <u>= 5.0</u>	Ceiling <u>Laid.</u> Sheer <u>+ 63</u> Depth to inner bottom <u>12.46</u>	Peak Tanks } Included Low floors in BR } Deep floors in LR } <u>- 3.5</u> <u>+ 1.5</u>	Addition for Keel below base line for draught record..... inches.
CORRECTED DIMENSIONS.	<u>180.0</u>	<u>27.58</u>	<u>12.48</u> <u>13.09</u>	<u>484.69</u>	

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

15-1
2-73
12-53

Co-efficient of fineness..... .75
Any modification necessary }
[Para. 4 (a) to (e)] * }
Co-efficient as corrected73

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>180</u>
Length in Table	<u>174</u>
Difference	<u>6</u>
Correction for 10ft., Table A.	<u>1.0</u>
× Difference divided by 10	<u>.6</u>
If $\frac{6}{10}$ ths length covered divide by 2	<u>.3</u>
	<u>+ $\frac{1}{4}$</u>

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{7}{10}$ ths length covered	<u>.778</u>
Thickness of usual wood deck, less stringer	<u>3.2 - 4.0 = 3.10</u> <u>- 3</u>

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>27.2</u>
Round of Beam	<u>4</u>
Normal round.....	<u>6.8</u>
Difference	<u>÷ 2 =</u>
Proportion of Deck uncovered (Para. 19)	

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

{ Stem..... 60 }
{ Sternpost ... 42 } $102 \div 2 = 51$... Mean

$\frac{1}{2}$ of the length from { Stem 35 }
 { Sternpost 20.5 } $55.5 \div 2 = 27.75$... Mean

mean Sheer 50.6

mean Sheer [Table, Para. 18] 28.0

Difference..... 22.6 $\div 4 = 5.65$

1 as Para. 18 (f) - 5.34

Sheer { At front of bridge house..... ✓
ships {
(e) { At after end of forecastle ✓

Sheer {
(d) { $\div 2 =$ ✓

Corrected Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 6.14

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) 1.10

Difference 1.10

Percentage as below..... 66.7%

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) + $\frac{1}{2}$

Allowance for Deck Erections - 10.1

	Length.	Length allowed.	Height.
Forecastle.....	<u>24.2</u>	<u>24.17</u>	<u>6.9</u>
Bridge House	<u>11.0</u>	<u>11.0</u>	<u>7.3</u>
Raised Qr. Dk.....	<u>105.0</u>	<u>105.0</u>	<u>4.0</u>

Total 140.17

Length of Ship 180.0

Percentage 66.7%

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	"	...

King, or ceiling are of unusual thickness the breadth of vessel to inside should be reported if possible.

For deck erections under Para. 11 where the sheer drops abaft amidships, it is to be taken from the level of the top of the amidship beam.

Standard mean sheer means the sheer measured at the stem and stern, and forecastles, it means the sheer measured at points distant from stem and stern-post.

Freeboard, Table A	<u>2.14</u>
Correction for Sheer	<u>- 5.34</u>
Correction for Length	<u>+ 1.10</u>
Allowance for Deck Erections	<u>- 10.1</u>
Correction for Round of Beam.....	<u>✓</u>
Correction for fall in Sheer (if any).....	<u>✓</u>
Correction for Iron Deck (if required)	<u>- 3</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e)	<u>9.14</u>
Other Corrections (if any) <u>Height of R.Q.D.</u>	<u>4 - 0</u> <u>4 - 9.14</u>

Winter Freeboard	<u>4 - 9.14</u>
Summer Freeboard	<u>4 - 9.14</u>
Indian Summer Freeboard	<u>4 - 9.14</u>
N. A. Winter Freeboard	<u>4 - 9.14</u>

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	<u>4 - 10.14</u>
Summer " " "	<u>4 - 8.14</u>
Indian Summer " " "	<u>✓</u>
N. A. Winter " " "	<u>✓</u>

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 draught, survey, and also the final load draft forward and aft should be reported.

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Do all the Frames extend to the top height in the Poop? ☒ Raised Quarter Deck? *Yes*

To what height do the Reverse Frames extend? *Bulk Angle frames*

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

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

Is the ~~Poop or~~ Raised Quarter Deck connected with the Bridge House? *Yes* Has the Bridge H

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

What is the thickness of the Bridge Front plating? *26* and Coaming plate? *30*

Give scantlings and spacing of the Stiffeners *6 x 3 x 40 BA. spaced 30"*

Are bracket plates fitted at each end of the Stiffeners? *Yes* Are hor'l. brackets fitted conn

Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*

How are the openings closed? *No openings*

Is the Forecastle at least as high as the main or top-gallant rail? *Yes* Has the Forecastle an effi

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised } *By Raised Quarter*
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 a

Are the Weather Deck Hatchways efficiently constructed and at least equal to the } *Yes*
requirements of Section 28 of the Rules for 1904-5? Give particulars below:— }

Position and Size.		No. 1 24'6" x 15'6"		No. 2 29'4" x 15'6"					
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.		
COAMING.	Height above top of DECK	39"		36"					
	Sides.....	44"		44"					
	Thickness {								
	Ends.....	44"		44"					
SHIFTING BEAMS OR WEB PLATES.	Number	5		5					
	Section and Scantlings	<i>3 1/2 x 3 x 42 angles</i>		<i>Same as</i>					
	Material	<i>14 x 3/4 x 8 x 3/4</i>		<i>191.</i>					
* FORE AND AFTERS.	Number								
	Section and Scantlings	<i>None</i>		<i>None</i>					
	Material								
HATCHES Thickness		2 1/2		2 1/2					
Remarks.....		<i>Laid fore and aft.</i>							

* 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 Rule

What is the thickness of the Bridge Sheerstrake? *26* Strake between Main and Bridge Sheerstrakes? *Main Sheer R.D.*

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 *40'4" 39'10"*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *10.5* Sq. ft.

Ft. Tenths. Ft. Tenths. No. } Freeing Ports = *11.25* Sq. ft.
(each side of vessel)

2.5 x *1.5* x *3*

Total deficiency or excess = *.75* Sq. ft.

Show hereon line of Floors or Tank Top with position of any Breaks in same; also height

State any special features in the construction of the Vessel *This vessel is side*

Ship No 196 of the same builder, (see Newcastle Report No 7)

Profile are enclosed for reference.

Builder *G. Renoldson & Co.*

Address *South Shields.*

For £ *4* : *0* : *0* Received by me

Estimated on Gross Tonnage 400



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Foundation