

# Lloyd's Register of British & Foreign Shipping.

## SURVEYS FOR FREEBOARD.

PARTICULARS IN RESPECT OF STEAM SHIPS WITH TOP GALLANT FORECASTLES,  
HAVING LONG POOPS OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES,  
OR SHORT POOP AND BRIDGE HOUSE DISCONNECTED, OR BRIDGE HOUSE.

Delete words which do not apply.

Port of Survey Newcastle  
Date of Survey Dec 29<sup>th</sup> 1904  
Name of Surveyor Thos Shaw

Ship's Name.	Gross Tonnage.	Official Number.	Type of Ship.	Date of Build.	Particulars of Classification.
"SRGU"	3342.24	<i>submarine</i>	3dk rule 1dk laid	1905	Contemplated \$100 A1 3dk rule
Number in Register Book <u>64 Supp<sup>t</sup></u>					

Registered Length as shown by ship's register. { 341.0 Breadth 46.65 Depth 25.95 }  
Length on Loadline ..... 341  
Breadth ..... 46.65  
Depth ..... 15907.6

Depth ..... 24.72  
3932.35  
Tons 3342.24  
und Dk 8.75  
ord bottom  
x 100 3333.49  
- 847

Co-efficient of fineness ..... 847  
Any modification necessary {  
[Para. 4 (a) to (e) \*]  
Co-efficient as corrected ..... 837.82 highest in table

Sheer { Stem... 102 } 156 ÷ 2 = 78 ... Mean  
at { Sternpost... 64 }  
Sheer at  $\frac{1}{2}$  of the length from { Stem 54 } 84 ÷ 2 = 42 ... Mean  
{ Sternpost 304 }

Gradual Sheer ..... 76.6  
Standard Sheer (Table, Para. 16) ..... 44.1  
Difference ..... 32.5 ÷ 4 = -8" ✓

Rise in Sheer { At front of bridge house ..... ✓  
from amidships {  
[Para. 16 (e)] { At after end of forecastle ..... ✓

## ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C ..... 4-234  
Correction for Length, if required (Para. 12 and 13) ..... + 1  
Freeboard by Table A, corrected for sheer, and for length, {  
if required (Para. 12 and 13) ..... 6-2  
Difference ..... 1-10 1/4  
Percentage as below ..... 52.75

Correction for R. Q. Dk. less than 4ft. high, or if engine and boiler openings not covered by bridge house ..... ✓ ✓  
Allowance for Deck Erections ..... -11 3/4"

	Length.	Length allowed.	Height.
Forecastle.....	32.0	32.0	7.0
Bridge House side 140.0	140.0	141.0	7.0
† Raised Q. Dk. centre 142.0	142.0		
Poop.....	41.0	41.0	7.0
Total		214.0	62.75
Length of Ship		341	

Corresponding percentage {  
(Para. 12, 13, 14) } 52.75

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	" " "	" " "

Moulded Depth as measured..... 27.4

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..... 341  
Length in Table ..... 328  
Difference ..... 13  
Correction for 10ft., Table A. .... 1.82  
× Difference divided by 10 ..... + 1 3/4 (if required.)  
If  $\frac{1}{10}$ ths length covered and Poop or RQD is connected to Bridge divide by 2 for vessels coming under para. 11

## CORRECTION FOR IRON DECK.

Proportion covered, if less than  $\frac{1}{10}$ ths length covered ..... 62.75  
Thickness of usual wood deck, less stringer..... 3 1/2  
- 2 1/2

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 45.0  
Round of Beam..... 11 1/4  
Normal round ..... 11 1/4  
Difference ..... ÷ 2 = ..... ✓

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

Proportion of Deck uncovered (Para. 17) ..... ✓

Freeboard, Table A ..... 6-84  
Correction for Sheer ..... -8  
Correction for Length ..... + 1 3/4  
Allowance for Deck Erections ..... 6-2  
Correction for Round of Beam ..... - 11 3/4  
Correction for Iron Deck (if required) ..... 5-24

Additions for non-compliance with provisions of {  
Para. 11 (e) and (f) †  
Other corrections (if any) *wood middle dk omitted framing increased*

Winter Freeboard ..... 4-11 3/4  
Summer Freeboard ..... 4-8 3/4  
N. A. Winter Freeboard

Correction necessary because clear side amidships measured in accordance with the Statutes is not taken at the intersection of the wood iron deck with side. 13/4

Winter Freeboard from deck line § ..... 5-18 1/2  
Summer " " " " ..... 4-8 3/4  
N. A. Winter " " " " ..... 4-8 1/2

† State dimensions of freeing port area on back of this form.  
§ Marked in accordance with Sec. 437, M. S. Act, 1894.

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© 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.



DELETE WORDS WHICH DO NOT APPLY.

The Crew *are, are not,* berthed in the bridge house.

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 (f) each side of vessel

Sq. Ft.

Freeing Ports (each side of vessel)

Ft. Tenths. Ft. Tenths. No.

Sq. Ft.

Total deficiency =

Sq. Ft.

Total excess =

"

Vertical distance from bottom of keel or from top of deck at side amidships to lower edge of lowest side scuttle.

(N.B.—This dimension need not be reported unless the sill of the lowest side scuttle would be less than 6 inches above the Indian Summer Load Line if assigned under the tables.)

Do all the Frames extend to the top height in the Poop?

*Yes*

Do. do. do.

in the Raised Quarter Deck?

*✓*

Do. do. do.

Bridge House?

*Yes*

Do. do. do.

Forecastle?

*Yes*

To what height do the Reverse Frames extend? *alternately, in way of fore peak to upper stringer of the dks elsewhere all to upper deck*

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 chipping boards full height*

Is the Poop or Raised Quarter Deck connected with the Bridge House? *no*

State whether the Bridge House efficiently covers the Engine and Boiler Openings. *Yes*

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

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

Describe how and to what extent it is Stiffened, give scantlings and spacing of Angle Irons, Bulb Plates, etc. *Bulb angles 7 1/2 x 3 1/2 x 1/2 30 apart bracketed top & bottom*

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

How are the openings closed? *wood chipping boards full height*

Is the forecastle at least as high as the main or top-gallant rail? *Yes*

Has the Forecastle an efficient Iron or Wood Bulkhead at its after end? *Yes open centre aisle*

Are the Hatchways efficiently constructed? *Yes* What is the thickness of the Hatches? *3"*

State the height of the Coamings in fore well? *4'-0" + 4'-3"* In after well *4'-0"*

Are the exposed parts of the Engine and Boiler Casings efficiently constructed? *Yes*

State any special features in the construction of the Vessel *this vessel is built to the single dk rule for frames reverse frames clear of double bottom and to the three dk rule for bottom & shell, the wood middle dk is omitted tall reverse frames in way of holds carried to upper dk with a view of obtaining normal freeboard.*

*Preliminary report No 46,742 Secretary's letter dated 31/3/04*

*2 Plans  
1 Plan  
return 3/12/04*

*T.B. Shaw*

Show hereon the actual measurements of sheer, draft, erections, breaks in line of floors, &c.

Owners

Address

Fee £

Received by me



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