

## Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS

WED. 10 OCT. 1917

24304

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 SunderlandDate of Survey 8th October 1917Name of Surveyor B. ChawShip's Name. TENTERDENPort of Registry and Nationality. LondonOfficial Number. 140384Gross Tonnage. 3810.68Date of Build. 1917Particulars of Classification. 100A.1 (class contemplated)Number in Register Book 407

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>351.75</u>	<u>50.95</u>	<u>26.0</u>	<u>3810.68</u>
Length on LOADLINE.	<u>351.50</u>	Frame Depth <u>12</u> Rule <u>6</u> <u>5</u>	Ceiling <u>fitted</u> Sheer <u>1.07</u>	Peak Tanks <u>✓</u>
		<u>100</u>		
CORRECTED DIMENSIONS.	<u>351.50</u>	<u>49.95</u>	<u>27.07</u>	<u>3810.68</u>

Co-efficient of fineness..... .802Any modification necessary [Para. 4 (a) to (e)]\* 02 cells blaCo-efficient as corrected ..... .78Sheer { Stem..... 114 } 172 ÷ 2 = 86 ...Mean  
at { Sternpost ... 58Sheer at  $\frac{1}{8}$  of the length from { Stem 62 } 92 ÷ 2 = 46 ...Mean  
Sternpost 30Gradual mean Sheer ..... 83.64Standard mean Sheer [Table, Para. 18] ..... 45.15 CorrectionDifference..... 38.49 ÷ 4 = 9.62§ If limited as Para. 18 (f)..... -9.62Rise in Sheer { At front of bridge house.....  
from amidships {  
[Para. 18 (e)] { At after end of forecastle .....Fall in Sheer {  
Para. 18 (d) { ÷ 2 =

Length uncovered ..... Correction

## ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 3.9 3/4Correction for Length, if required (Para. 12, 13, and 14) ..... + 3/4Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) } 3-10 1/2  
} 6-3 1/4Difference ..... 2-4 3/4Percentage as below 27.02

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. <i>over wings</i> 35.25 .....	32.27 ✓	7.0	
Bridge House ..... 95.5 .....	95.50 ✓	7.0	
† Raised Qr. Dk..... .....		7.0	
Poop..... 23.0 .....	23.00 ✓	7.0	
Total .....	150.77 ✓		

Corresponding percentage {  
(Para. 12, 13, or 14) } 27.02

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 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.

Im. 12.10. T.

Moulded Depth as measured..... 28.5Addition for Keel below base line for draught record... 2.44 inches.

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..... 351.5Length in Table ..... 341.0Difference ..... 10.5Correction for 10ft., Table A. .... 1.48 Table C. .7× Difference divided by 10 ..... 1.55 (if required.) .73If  $\frac{1}{10}$ ths length covered divide by 2 +1 1/2 +3/4

## CORRECTION FOR IRON DECK.

Proportion covered, if less than  $\frac{1}{10}$ ths length covered ... 42.89Thickness of usual wood deck, less stringer ..... 3 1/2 -1 1/2

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 49.3Round of Beam ..... 12 1/2Normal round..... 12.3Difference ..... ÷ 2 = 2

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 ..... 6-11 1/2Correction for Sheer ..... -9 3/4Correction for Length ..... 6-1 3/4Allowance for Deck Erections ..... +1 1/2Correction for Round of Beam..... 6-3 1/4Correction for fall in Sheer (if any)..... -7 3/4Correction for Iron Deck (if required) ..... 5-7 1/2Additions for non-compliance with provisions of {  
Para. 11 (d) and (e) † {  
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Para. 11 (d) and (e) † {  
Other Corrections (if any) .....Winter Freeboard ..... 5-6Summer Freeboard ..... 5-14Indian Summer Freeboard ..... 4-8 1/2N. A. Winter Freeboard ..... 5-3Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or iron deck with side. 13/4Winter Freeboard from deck line ..... 5-7 3/4Summer " " " " ..... 5-3Indian Summer " " " " ..... 4-10 1/4N. A. Winter " " " " ..... 5-3Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or iron deck with side. 13/4Winter Freeboard from deck line ..... 5-7 3/4Summer " " " " ..... 5-3Indian Summer " " " " ..... 4-10 1/4N. A. 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Do all the Frames extend to the top height in the Poop? *Yes*. Raised Quarter Deck? *Yes*. Bridge House? *Yes*. Forecastle? *Yes*.  
 To what height do the Reverse Frames extend? *Channel frame*.  
 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 *weather boards in riveted Channels - full height*.  
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *No*. Has the Bridge House an efficient Bulkhead at the fore end? *Yes*.  
 Give particulars of the means for closing the openings in Bulkhead *no openings*.  
 What is the thickness of the Bridge Front plating? *.40*. and Coaming plate? *.44*.  
 Give scantlings and spacing of the Stiffeners *8 x 3 1/2 x 64 B.A. spaced 30" 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? *weather boards in riveted Channels - 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 Bulk'd. at after end? *Yes*.  
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck or enclosed by a Strong Iron or Steel Deckhouse? *Yes*.  
 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 *as above*.  
 What is the height of the exposed Casings? *as above*. 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:—

Position and Size.	No. 1. 25-6 x 18-0		No. 2. 27-1/2 x 18-0		No. 3. 28-6 x 18-0		No. 4. 28-6 x 18-0		Bunker hatch Br. No. 12-9 x 18-0	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.										
Height above top of DECK	42"	as	42"	as	39"	as	36"	as	31"	as
Thickness										
Sides	.48	fitted	.50	fitted	.48	fitted	.48	fitted	.40	fitted
Ends	.40		.40		.40		.40		.36	
SHIFTING BEAMS OR WEB PLATES.										
Number	4	4	4	4	4	4	4	4	2	2
Section and Scantlings	24 1/2 x 34	24 x 34	27 x 40	26 x 40	24 1/2 x 34	24 x 34	24 1/2 x 34	24 x 34	22 x 34	18 x 34
Material	4 x 3 x 40	4 x 3 x 40	4 x 3 x 40	4 x 3 x 40	4 x 3 x 40	4 x 3 x 40	4 x 3 x 40	4 x 3 x 40	4 x 3 x 40	4 x 3 x 40
	Steel		Steel		Steel		Steel		Steel	
* FORE AND AFTERS.										
Number	1		1		1		1		1	
Section and Scantlings										
Material										
HATCHES Thickness	3"		3		3		3		3	
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 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? *as above*. Strake between Main and Bridge Sheerstrakes? *as above*.

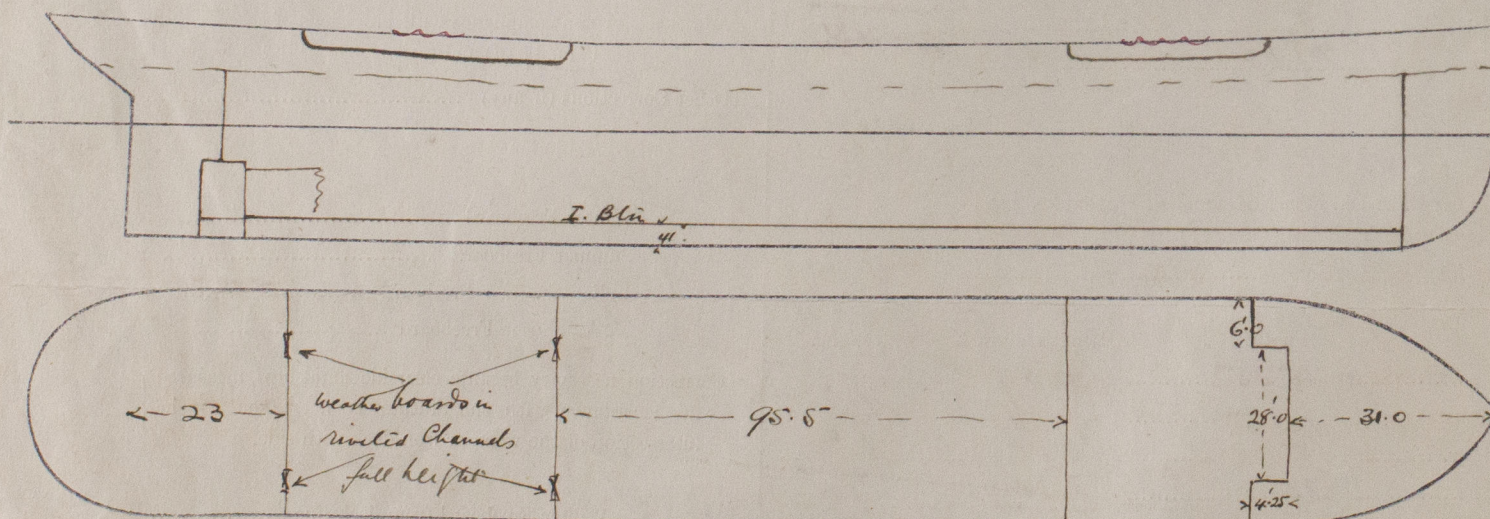
Delete the words { The Crew are, are not, berthed in the bridge house.  
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well

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

Ft. Tenth. Ft. Tenth. 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 *This vessel has been constructed in accordance with the approved plans herewith attached for reference.*

Owners

Address

Fee £ 6. 6. 0

Received by me 9.11.19

17.11.19



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