

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Particulars relating to all steam ships either flush decked, or with
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 *Liverpool*
Date of Survey *While building*
Name of Surveyor *Geo. L. Lyle*

Ship's Name. *T.P. TILLING*
Port of Registry and Nationality. *British*
Official Number. *143645*
Gross Tonnage. *456*
Date of Build. *1920*
Particulars of Classification. *100A.1. Contemplated*

LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
<i>142.3'</i>	<i>25.25'</i>	<i>11.4'</i>	<i>318.95</i>
<i>142</i>	<i>25.21</i>	<i>11.87</i>	<i>318.95</i>

Moulded Depth as measured..... *12.6"*

Addition for Keel below base line
for draught record.....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..... *142*
Length in Table *150*
Difference *8*
Correction for 10ft., Table A. *.9* Table C.
× Difference divided by 10 *.72* (if required.)
If $\frac{1}{10}$ ths length covered divide by 2 *.36*
..... *1.28*

CORRECTION FOR IRON DECK.

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

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... *25*
Round of Beam *6 1/2*
Normal round..... *6 1/2*
Difference $\div 2 =$
Proportion of Deck uncovered (Para. 19)

NOTE.—If round of beam is reported on the full breadth of vessel at the gunwale.

Length of fineness..... *.75*
Correction necessary (a) to (e)*
Correction as corrected
Stem *68*
Sternpost *18*
Mean *40*
Stem *35 1/2*
Sternpost *5*
Mean *20.25*
Mean *.35*
Mean Sheer *36.82*
Standard mean Sheer [Table, Para. 18] *24.2*
Correction
Difference..... *12.62*
Correction *4 = -3 1/4*
Correction as Para. 18 (f)
Correction *-3 1/4*

At front of bridge house..... *9 1/2*
At after end of forecastle *30*

Correction $\div 2 =$
Correction

ALLOWANCE FOR DECK ERECTIONS:—

Table C..... *4 1/4*
Correction for Length, if required (Para. 12, 13, and 14)
Correction by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) *1 - 7*
Correction *1 - 2 3/4*
Correction as below..... *66.1%*
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) *+ .250*
Allowance for Deck Erections *9 1/2*

	Length.	Length allowed.	Height.
Forecastle.....	<i>22.16'</i>	<i>22.16</i>	<i>6.9'</i>
Bridge House.....	<i>8.75'</i>	<i>8.75</i>	<i>4.0'</i>
† Raised Qr. Dk.....	<i>86.75' × 3.29 =</i>	<i>79.10</i>	<i>3.0'</i>
Poop.....	<i>117.66</i>	<i>110.01</i>	
Total.....	<i>142 = .829</i>	<i>142</i>	<i>.774</i>

Corresponding percentage (Para. 11, 12, 13, and 14) *66.1%*

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 " " " "

Winter Freeboard *3 - 6 3/4*
Summer Freeboard *3 - 5 1/2*
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~~ iron deck with side.

Winter Freeboard from deck line *3 - 7 3/4*
Summer " " " " *3 - 6 1/2*
Indian Summer " " " "
N. A. Winter " " " " *3 - 6 1/2*

State dimensions of freeing port on back of this
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.

Lloyd's Register
Foundation
10-6-20

Do all the Frames extend to the top height of the Bulkhead? *Yes*
 To what height do the Reverse Frames extend? *To Bulk.*
 Has the ~~Bridge~~ Raised Quarter Deck an efficient Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *No openings*
 Is the ~~Bridge~~ Raised Quarter Deck connected with the Bridge House? *Yes* 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? *.24* and Coaming plate? *.28*
 Give scantlings and spacing of the Stiffeners *5 1/2 x 3 x .24 B. G. Spaced 24"*
 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? *No openings*
 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~~ *Bridge* 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 *Casings .30 Plating .24 Stiff. 3 x .28*
 What is the height of the exposed Casings? *3'* 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 openings.*

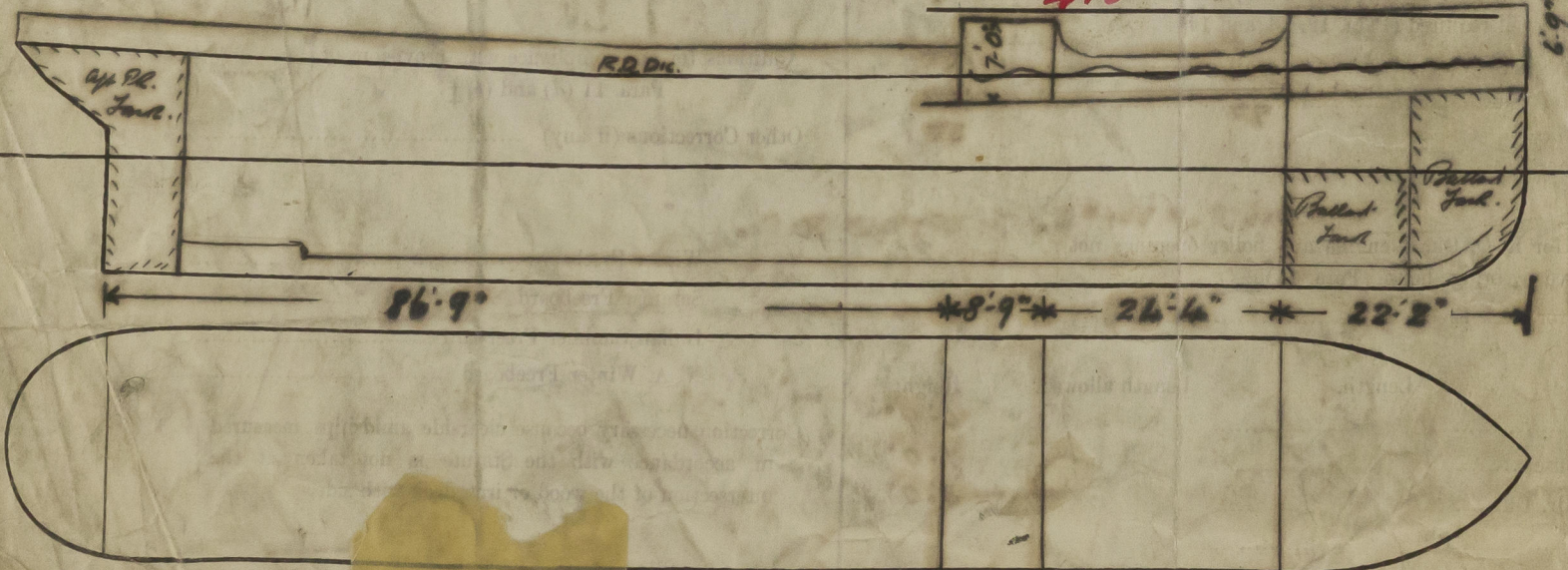
Position and Size.		(1) 19'-6" x 13'-6 1/2"		(2) 22'-11" x 14'-6"					
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	30		24					
	Sides.....	.44		.44					
	Ends.....	.44		.44					
SHIFTING BEAMS OR WEB PLATES.	Number	3	15' centre 9" side	4	15' centre 9" side				
	Section and Scantlings	3 x 3 x .44	Plat. .32	3 x 3 x .44	Plat. .32				
	Material								
STIFFENERS.	Number								
	Section and Scantlings	✓		✓					
	Material								
HATCHES Thickness		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? *✓* 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 *24'-6" 24.33*
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = *8.93* Sq. ft.
 Ft. Tenths. Ft. Tenths. No. }
 2. 5 x 1. 25 x 3. } Freeing Ports = *9.375* Sq. ft.
 x x } (each side of vessel)
 Total deficiency excess = *55 445* 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

Builder: *Wm. J. Gird*
 Owners: *Wm. J. Gird*
 Address: *Saltney*
 Fee £ *2 2*
 Charter: *(YARD N° 294)*