

Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

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 *hewcastle on Tyne*Date of Survey *under survey*Name of Surveyor *J. S. Selles*

Ship's Name. *Hyra Menier* Port of Registry and Nationality. *Bristol British* Official Number. *127100* Gross Tonnage. *1457* Date of Build. *1912* Particulars of Classification. *100 ft. Contemplated arch deck*

Number in Register Book *652*

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<i>240</i>	<i>36.15</i>	<i>20.1</i>	<i>1294.78</i>
Length on LOADLINE.	<i>240</i>	Frame Depth <i>5½</i> Rule <i>5</i>	Ceiling <i>fitted</i> Sheer	Peak Tanks
		$\frac{1}{2} \times 2 = .08$	<i>Tank Level</i>	
CORRECTED DIMENSIONS.	<i>240</i>	<i>36.07</i>		<i>1294.78</i>

Co-efficient of fineness.....

Any modification necessary [Para. 4 (a) to (e)]*

Co-efficient as corrected

Block
.49 from Vessels Lines

Sheer { Stem..... } $\div 2 =$...Mean
at { Sternpost ... }

Sheer at $\frac{1}{4}$ of the length from { Stem } $\div 2 =$...Mean
{ Sternpost }

Gradual mean Sheer
Standard mean Sheer [Table, Para. 18] Correction

Difference..... $\div 4 =$

§ If limited as Para. 18 (f).....

Rise in Sheer { At front of bridge house..... }
from amidships { }
[Para. 18 (e)] { At after end of forecastle

Fall in Sheer { } $\div 2 =$
Para. 18 (d) { }

Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... *(.49 Coeff.)* *1-9.50*
Correction for Length, if required (Para. 12, 13, and 14) *1.35*
0.49 Coeff (4-6.25 - 2.40) *1-8.15*
Freeboard by Table A, corrected for shear, and for length, if required (Para. 12, 13, and 14) *4-3.65*
Difference *2-4.40*
Percentage as below *4.05%*

*2.21**2.21*

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

Allowance for Deck Erections *-2.21*

	Length.	Length allowed.	Height.
Forecastle.....	<i>27.8 (see sketch)</i>	<i>27.6</i>	<i>7-6"</i>
Bridge House		<i>28.36</i>	
† Raised Qr. Dk.....			
Poop.....	<i>15.10</i>	<i>15.83</i>	<i>6-9.</i>
Total		$\frac{44.19 \times 8}{240} = 1.44$	<i>eight</i>
Length of Ship		<i>240</i>	
Corresponding percentage (Para. 11, 12, 13, or 14) $11.46 \times \frac{6}{10} = 4.05\%$			

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, ~~and~~ (Iron) Deck:—

27-8-12

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 amidships beam.
§ In flush-decked vessels the total standard mean sheer means the sheer measured at the stem, sternpost, or at points distant one eighth of the vessel's length from stem and stern-post.

Moulded Depth as measured..... *22'-2"**Wood deck less stringer = 3½**22-11*
2-9½
20-1½ to inner bottom
21-10½

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..... *240.0*
Length in Table *262.5*
Difference *22.5*
Correction for 10ft., Table A. *1.2* Table C. *.6*
× Difference divided by 10 *2.70* (if required.) *1.35*
If $\frac{1}{10}$ ths length covered divide by 2 *-2.40* *-1.35*

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length coveredThickness of usual wood deck, less stringer
allowed in Reduces Moulded depth.

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....
Round of Beam *9"*
Normal round..... *9"*
Difference $\div 2 =$
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 *5'-8.66* ✓
Correction for Sheer *See Buoyancy Calculation*

Correction for Length *-2.70* ✓
5-5.96 ✓
Allowance for Deck Erections *-2.21* ✓
5-3.75 ✓

Correction for Round of Beam.....

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

Correction for Iron Deck (if required) *allowed in h. Depth.*

Additions for non-compliance with provisions of

Para. 11 (d) and (e)†

Other Corrections (if any) *Scantlings & Construction* *+1-2* ✓
and form of upper part of section *6-5.75* ✓

Winter Freeboard *6-5¾* ✓
Summer Freeboard *6-3¾* ✓
Indian Summer Freeboard *6-0¾* ✓
N. A. Winter Freeboard *6-4¾* ✓

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood and iron deck with side. *+1½* ✓

Winter Freeboard from deck line *6-4½* ✓
Summer " " " *6-4¾* ✓
Indian Summer " " " *6-2¾* ✓
N. A. Winter " " " *6-9¾* ✓

Amended Tables
March, 1906

† 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 at the usual load draft forward and aft should be reported.

RECEIVED

1-MAR-1912

RECEIVED 9 FEB 1912

MARKING REPORT

RECEIVED 12 SEP 1912

2110-259200-149200

Position and Item.		No. 1 19'-2" x 15'-11"		No. 2 21'-11" x 17'-11"		No. 3 22'-11" x 17'-11"		No. 4 22'-11" x 15'-11"		Ship.	Rule.
COAMING.	Height above top of DECK	30"		30"		30"		30"			
	Thickness {	Sides.....	4 1/4		4 1/4		4 1/4		4 1/4		
		Ends.....	4 0		4 0		4 0		4 0		
SHIFTING BEAMS OR WEB PLATES.	Number	3		4		4		4			
	Section and Scantlings	angles 4x3x40 Plate 3/4		angles 4x3x40 Plate 3/4		angles 4x3x40 Plate 3/4		angles 4x3x40 Plate 3/4			
	Material	19" Centre deep 15 1/2 Sides		18" Centre deep 14 1/2 Sides		21 1/2" Centre deep 17 1/2 Sides		19 1/2" Centre deep 16 Sides			
* FORE AND AFTERS.	Number										
	Section and Scantlings	None		None		None		None			
	Material										
HATCHES	Thickness	3"		3"		3"		3"			
	Remarks.....	Pine		Pine		Pine		Pine			

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.

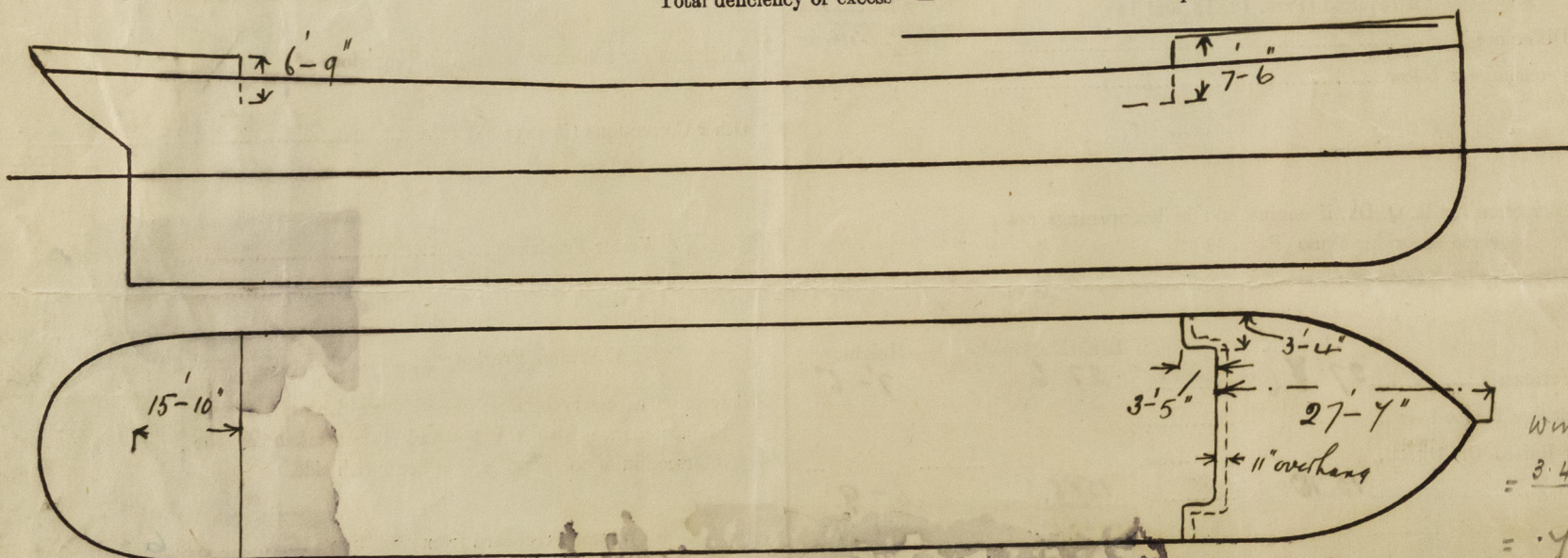
What is the thickness of the Bridge Sheerstrake? Strake between Main and Bridge Sheerstrakes?

Length of Bulwarks in well

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

Ft.	Tenths.	Ft.	Tenths.	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 report refers to Messrs The Blyth S.B. & D. S. Co Ltd No 168 being built on the Ayre Ballard type of construction. The approved plans. Midship Section & Profile also displacement drawing are forwarded herewith, together with certificate for dimensions checked at vessel.

Owners

.. *Address*

Fee £

Received by me

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Foundation