

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 *Middlesbrough-on-Tees*
Date of Survey *While Building*
Name of Surveyor *Norman S. Turnbull*

Ship's Name. *Messrs W. Barkess Sons Ltd 189*
Number in Register Book *791 New Vessel*
Port of Registry and Nationality. *Middlesbrough British*
Official Number. *128813*
Gross Tonnage. *791*
Date of Build. *1911*
Particulars of Classification. *+100 A.I. contemplated*

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	195.0	30.0	11.62	561.70
Length on LOADLINE.	195.0	Frame Depth $5\frac{1}{2}$ Rule " $3\frac{1}{2}$ $2 \times 2 = - .33$	Ceiling + .20 Sheer + .68 $\frac{3\frac{1}{2}}{2} = + .14$	Peak } Included Tanks } above $\frac{3\frac{1}{2}}{2} = + .14$ Tonnage above floor in S. & B. space -10.00
CORRECTED DIMENSIONS.	195.0	29.67	12.64	551.70

Co-efficient of fineness..... *.754*
Any modification necessary { *.02 bell D.B.*
[Para. 4 (a) to (e)]*
Co-efficient as corrected *.734*

Sheer { Stem..... *69* } $107 \div 2 = 53.5$ Mean
at { Sternpost ... *38* }
Sheer at $\frac{1}{4}$ of the length from { Stem *38.5* } $59.5 \div 2 = 29.75$ Mean
{ Sternpost *21.0* } $\div 55 = 54.1$
Gradual mean Sheer *53.8*
Standard mean Sheer [Table, Para. 18] *29.5* Correction
Difference..... *24.3* $\div 4 = 6.057$
§ If limited as Para. 18 (f)..... *-6"*

Rise in Sheer { At front of bridge house..... *4\frac{1}{2}"*
from amidships {
[Para. 18 (e)] { At after end of forecastle

¶ Fall in Sheer { *Nil* $\div 2 =$
Para. 18 (d) }
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C..... *5\frac{3}{4}"*
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) } *1-8\frac{7}{8}"*
Difference *1-2\frac{1}{4}"*
Percentage as below..... *58.81*
- 8\frac{3}{8}"

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } *+ \frac{3}{8}"*
Allowance for Deck Erections *- 8"*

	Length.	Length allowed.	Height.
Forecastle.....	<i>24'-0"</i>	<i>24.00</i>	<i>7'-0"</i>
Bridge House	<i>12'-10"</i>	<i>12.83</i>	<i>7'-0"</i>
† Raised Qr. Dk.....	<i>108'-8" x 3'-6"</i>	<i>104.62</i>	<i>3'-6"</i>
Poop.....	<i>145.5</i>	<i>141.45</i>	
Total	<i>195</i>	<i>195.00</i>	<i>= 7254</i>

Length of Ship
Corresponding percentage { *58.81*
(Para. 11, 12, 13, or 14) }

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck :—
Fresh Water Line
Indian Summer Line
Winter Line
Winter North Atlantic Line

Moulded Depth as measured. *13'-10"*

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..... *195.0*
Length in Table *166.0*
Difference *29.0*
Correction for 10ft., Table A. *.96* Table C.
 \times Difference divided by 10 *2.78* (if required.)
If $\frac{1}{10}$ ths length covered divide by 2 *1.39* *+ 1\frac{1}{2}*

2nd No 10848

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered
Thickness of usual wood deck, less stringer *3* *- 3"*

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... *29'-6"*
Round of Beam *7\frac{1}{2}"*
Normal round..... *7\frac{3}{8}"*
Difference *\frac{1}{8}"* $\div 2 = \frac{1}{16}"$
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 *2-2\frac{1}{4}"*
Correction for Sheer *- \frac{6}{100}"*
Correction for Length *+ \frac{1\frac{1}{2}}{100}"*
Allowance for Deck Erections *\frac{8}{100}"*
Correction for Round of Beam.....
Correction for fall in Sheer (if any).....
Correction for Iron Deck (if required) *- \frac{3}{100}"*
Additions for non-compliance with provisions of Para. 11 (d) and (e) †
Other Corrections (if any)

Winter Freeboard *10\frac{1}{2}"*
Summer Freeboard *8\frac{1}{2}"*
Indian Summer Freeboard
N. A. Winter Freeboard
Correction necessary because clearance in accordance with the Statute is not taken at the intersection of the wood or iron deck with side. *+ 1\frac{1}{4}"*

Winter Freeboard from deck line *11\frac{3}{4}"*
Summer " " " *9\frac{3}{4}"*
Indian Summer " " "
N. A. Winter " " "
Winter (Iron) Deck :— *0 " 9\frac{1}{2}"*
3\frac{1}{2}"

Amended Table 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 also the usual load draft forward and aft should be reported.

MARKING REPORT
RECEIVED 17 AUG 1911

(P.T.O.)

Do all the Frames extend to the top height in the Poop? ☒ Raised Quarter Deck? ☒ Bridge House? ☒ Forecastle? ☒

To what height do the Reverse Frames extend? *Bulk angle framing*

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? ☒

Give particulars of the means for closing the openings in Bulkhead ☒

Is the ~~Poop~~ Raised Quarter Deck connected with the Bridge House? ☒ Has the Bridge House an efficient Bulkhead at the fore end? ☒

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

What is the thickness of the Bridge Front plating? $\frac{5}{20}$ and Coaming plate? $\frac{6}{20}$

Give scantlings and spacing of the Stiffener: $5\frac{1}{2} \times 3 \times \frac{5}{20}$ Bulk angles spaced 30" apart

Are bracket plates fitted at each end of the Stiffeners? ☒ Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? ☒

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

How are the openings closed? *no openings*

Is the Forecastle at least as high as the main or top-gallant rail? ☒ Has the Forecastle an efficient Iron ~~or Wood~~ Bulk'd. at after end? ☒

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised 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 all openings in them in bad weather? ☒

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. 38'-6" x 17'-11 1/2"		No. 2. 34'-10" x 17'-11 1/2"							
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	36"		30"							
	Sides	$\frac{9}{20}$	As	$\frac{9}{20}$	As						
	Ends	$\frac{8}{20}$	approved	$\frac{8}{20}$	approved						
SHIFTING BEAMS OR WEB PLATES.	Number	6		5							
	Section and Scantlings	$22 \times \frac{7}{10}$ angles $4 \times \frac{3}{20}$ steel	"	$22 \times \frac{7}{10}$ angles $4 \times \frac{3}{20}$ steel	"						
	Material	Steel		Steel							
* FORE AND AFTERS.	Number	Nil		Nil							
	Section and Scantlings		"		"						
	Material										
HATCHES Thickness		3"	"	3"	"						
Remarks											

* When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.

(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? $\frac{5}{20}$ Strake between Main and Bridge Sheerstrakes? $\frac{10-6}{20}$

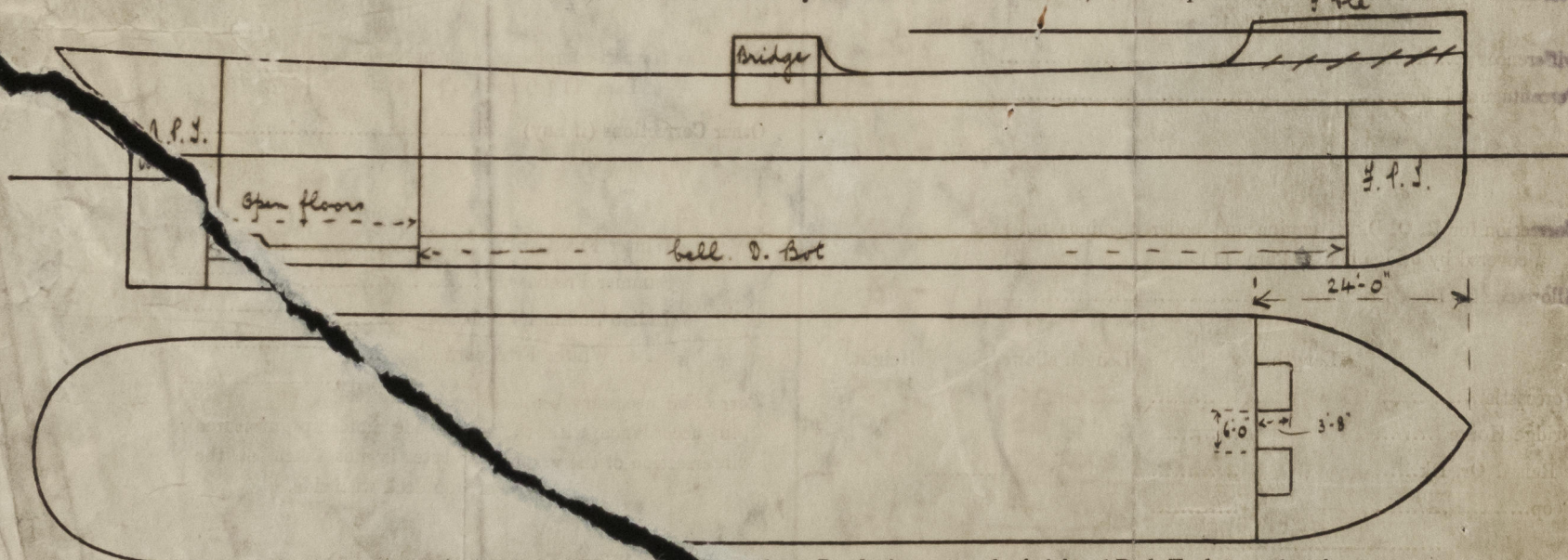
Delete the words { The Crew ~~are~~, are not, berthed in the bridge house.
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, ~~are not~~ satisfactory.

Length of Bulwarks in well *49.5*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *11.45* Sq. ft.

Ft. Tenths. Ft. Tenths. No. } Freeing Ports (each side of vessel) = *11.89* Sq. ft.

Total deficiency or excess = *44* Sq. ft. *file*



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 *bell Double Bottom holds: open floors in 6. 1/2 space*

Bulk angle framing as per plans (2) herewith; sister vessel to S. S. L...

See Middlesbrough fuelboat report No. 6824

Builders Owners Messrs W. Harkness & Co Ltd

Address Middlesbrough - M. Lees

Fee £ *✓* Received by me *✓*