

Lon. Rpt. No. 10618.

Index No. 29081
(For London Office only.)

Lloyd's Register of Shipping

MEASUREMENTS FOR FREEBOARD.—STEAM SHIPS.

TUE. JUN 29

RELATING TO STEAM SHIPS EITHER FLUSH DECKED, OR WITH FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey Southampton.
Date of Survey June 14th 1920.
Name of Surveyor John. A. Lawson.

White ...
YARD No. 1545

Ship's Name. BILTON	Port of Registry and Nationality. M'BRO. BRITISH	Official Number. ✓	Gross Tonnage. ✓	Date of Build. 1920	Particulars of Classification. + 100 A.1. Contemplated.
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Registered dimensions from Register.	LENGTH. 180.6	BREADTH. 29.35	DEPTH. 11.5 11.3 x	UNDER DECK TONNAGE. 507.35 504.65 x
Length on LOADLINE.	179.7 1/2	Frame Depth 5 Rule " 3 1/2 1 1/2 x 2 = .25	Ceiling + .20 Sheer + .945 <i>Level tank</i>	Peak Included Tanks in Tonnage E.R - 1.44 B.R + 4.38 = +2.94
CORRECTED DIMENSIONS.	179.62	29.10	12.645 12.45	510.29 507.59

Moulded Depth as measured..... 13' 6 3/4"
Addition for Keel below base line for draught record..... 1 1/2 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.....	179.7 1/2 62
Length in Table	162.75
Difference	17.62
Correction for 10ft., Table A.9
Table C.5
x Difference divided by 10	1.5851 (if required.)
If 10ths length covered divide by 2	.79.75 + 3/4

Rule-efficient of fineness.....
Any modification necessary [Para. 4 (a) to (e)]* D.B - .02
Rule-efficient as corrected75

CORRECTION FOR IRON DECK.
Proportion covered, if less than 1/10ths length covered over 1/10
Thickness of usual wood deck, less stringer 3" - 3"

Sheer { Stem..... 76 }
at { Sternpost ... 48 } 124 ÷ 2 = 62 ... Mean

Sheer at 1/2 of the length from { Stem 42 1/2 }
{ Sternpost 26 1/2 } 68 1/2 ÷ 2 = 34 1/4 ... Mean
allowed. 62.13
28
27.96 Correction
Difference..... 34.17 ÷ 4 = 8.54
If limited as Para. 18 (f) - 8 1/2

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	29.3"
Round of Beam	7 1/2
Normal round.....	7 1/2
Difference	✓ ÷ 2 =
Proportion of Deck uncovered (Para. 19)	✓

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

Rise 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

Freeboard, Table A	2.1.44	2.1 1/2
Correction for Sheer		- 8 1/2"
Correction for Length		+ 1.4 2/5
Allowance for Deck Erections		+ 3/4
Correction for Round of Beam.....		- 8 1/4
Correction for fall in Sheer (if any).....		✓
Correction for Iron Deck (if required)		- 3"
Additions for non-compliance with provisions of Para. 11 (d) and (e) †		ganway Pitted 6 3/4"
Other Corrections (if any)	R.Q.D.	3.6"
		4.0 3/4
Winter Freeboard		4.0 3/4
Summer Freeboard	1 1/2"	3.10 3/4
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 or iron deck with side.		1/4

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 5 1/2 . 5 1/4"

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) { 1.5/41 . 5 1/4 }
Difference 11 3/4"
Percentage as below..... 70.2% 70.2%
- 8.25 - 8 1/4"

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) { +.41 x 1/2 = +.205 }
Allowance for Deck Erections - 8"

Forecastle.....	Length. 24.12	Length allowed. 23.28	Height. 7.6"
Bridge House	11.12	11.12	7.6"
Raised Qr. Dk.....	110.5	109.56	3.6"
		144.32	
Total	145.74	143.96	= .801 ✓
Length of Ship	179.62		
Corresponding percentage { Para. 11, 12, 13, or 14 } 70.27% ✓		.70	

Winter Freeboard from deck line	4.1 1/2 2
Summer " " " "	3.11 1/2 4.0
Indian Summer " " " "	✓
N. A. Winter " " " "	✓
Freeboard	3.11 1/2 4.0
	- 3 1/2 3 1/2

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 " " " "

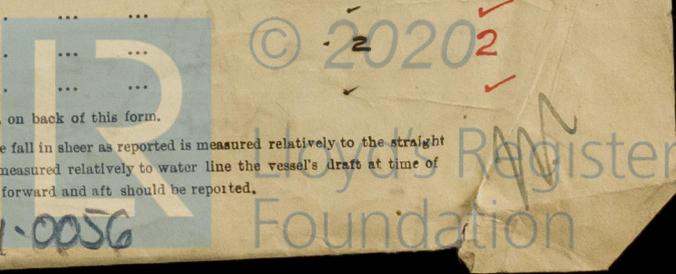
30.6.20.

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.

the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.
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.
Flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern-post. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and stern-post.

Copy to Surveyor 30.6.20

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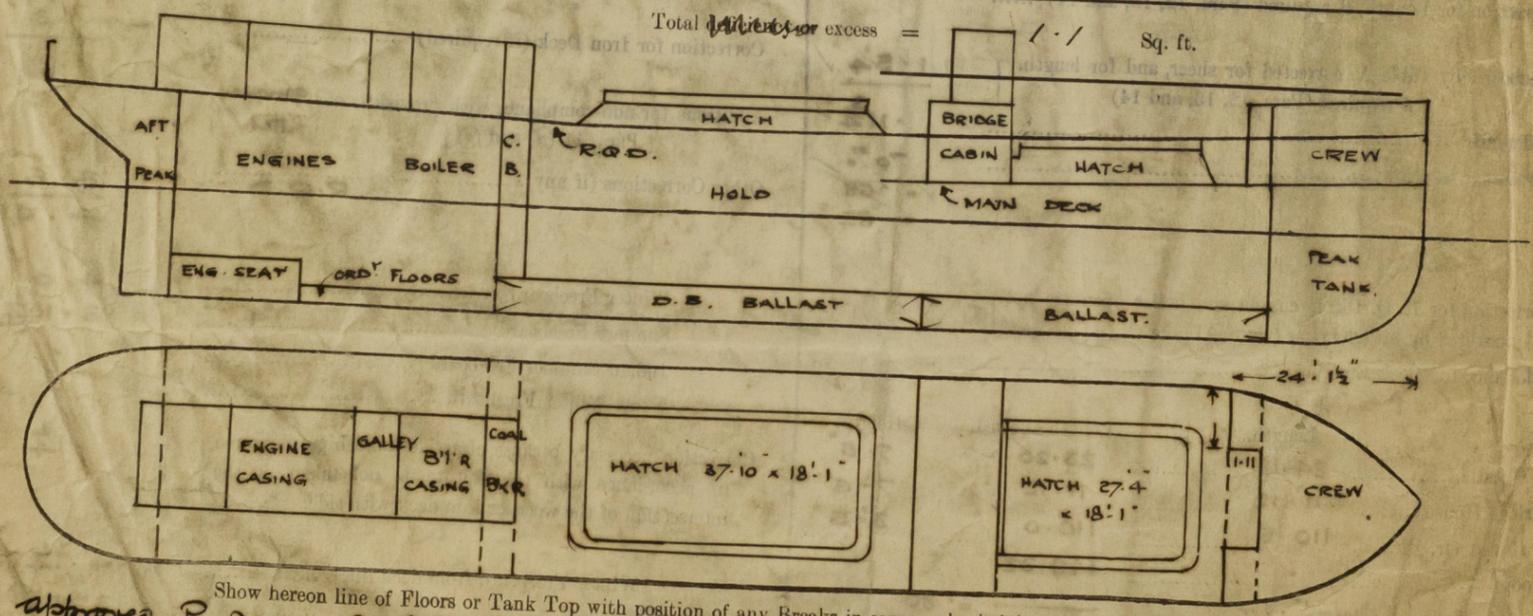
Do all the Frames extend to the top height in the Poop? Raised Quarter Deck? *Yes* Bridge House? *Yes*
 To what height do the Reverse Frames extend? *across floors.*
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *no openings.*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *Yes* 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? *.26"* and Coaming plate? *.30"*
 Give scantlings and spacing of the Stiffeners *6 x 3 x .44 Bulk angles, 30" apart. BKTS Top & Bottom.*
 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 *STEEL.* 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? *Enclosed by strong steel Deck casing.*
 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 *.34 coaming. .28 sides. Stiffeners 3 1/2 x 2 1/2 x .24" angles, 27" apart.*
 What is the height of the exposed Casings? *7.5'* Are suitable means provided for closing all openings in them in bad weather? *Yes. Steel Doors.*
 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:— *Yes.*

Position and Size.		27.4 x 18.1		37.10 x 18.1							
Item.		Ship.	Rule AS APPD	Ship.	Rule AS APPD	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING	Height above top of DECK	3.0	3.0	3.0	3.0						
	Thickness	Sides	.44	.44	.44	.44					
		Ends	.44	.44	.44	.44					
SHIFTING BEAMS OR WEB PLATES	Number	5	5	7	7						
	Section and Scantlings	T 15-8 x .36		T 15-8 x .36							
	Material	alternate webs to Hatch Top.									
* FORE AND AFTERS.	Number										
	Section and Scantlings										
	Material										
HATCHES	Thickness	2 1/2"	2 1/2"	2 1/2"	2 1/2"						
	Remarks	Spruce	spruce	spruce	spruce						

* 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, are not, satisfactory.*
 Length of Bulwarks in well *33.88'*
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = *9.9* Sq. ft. *Bangwa, fitted*
 Ft. Tenth. Ft. Tenth. No. *4.0 x 1.5 x 2 = 11.0* Sq. ft.
 Total *11.0* 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.
Approves Profile & Deck Plan and mid. section; Displacement and Tonnage per inch scale enclosed herewith.
 State any special features in the construction of the Vessel

Builder *J. P. White & Co. Ltd*
 Owners *East Lines*
 Address *East Lines*
 Rec'd £ 2 : 2 : 0 Received by me

