

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

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

Port of Survey Sunderland  
Date of Survey 2.9.22  
Name of Surveyor H.S. Leathard

Ship's Name Gate Castle Port of Registry and Nationality London British Official Number 146633 Gross Tonnage 7634.17 Date of Build 1922 Particulars of Classification +100 A1 Shelter Deck with freeboard (contemplated)

LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
425.5	56.35	36.45	7032.39
424.75	Mean Frame Depth Rule .. 7	Ceiling fitted Sheer +1.05	Peak Tanks } Incl
424.75	-33	Hank falls 4" = +1.6	
424.75	56.02	37.66	7032.39

Moulded Depth as measured..... 38'-7 1/2"  
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.....	424.75
Length in Table .....	463.5
Difference .....	38.75
Correction for 10ft., Table A. ....	1.7
× Difference divided by 10 .....	6.59
If 1/10ths length covered divide by 2 .....	-6 1/2"

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered .....	.412
Thickness of usual wood deck, less stringer .....	3 1/2" - 1/2"

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	55.0
Round of Beam .....	17 1/2
Normal round.....	13 3/4
Difference .....	3 3/4 + 2 = 5 3/4
Proportion of Deck uncovered (Para. 19) .....	.588

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

of fineness..... .784  
Correction necessary (a) to (e)\* } C.D.B.  
as corrected ..... .76

Stem 59 }  $99.5 \div 2 = 49.75$ ... Mean  
Sternpost 405 }  $+55 = 90.45$

Mean Sheer ..... 90.45  
Mean Sheer [Table, Para. 18] ..... 52.47 Correction  
Difference..... 37.98 ÷ 4 = -9 1/2"

Freeboard, Table A .....	11'-0"
Correction for Sheer .....	9 1/2"
Correction for Length .....	10'-2 1/2"
Allowance for Deck Erections .....	6 1/2"
Correction for Round of Beam.....	9'-8"
Correction for fall in Sheer (if any).....	6 1/4"
Correction for Iron Deck (if required) .....	9'-1 3/4"
Additions for non-compliance with provisions of Para. 11 (d) and (e) † .....	1"
Other Corrections (if any) .....	9'-0 3/4"

ALLOWANCE FOR DECK ERECTIONS:—

Table C.....	11'-0" less 3'-2"	7'-10"
Length, if required (Para. 12, 13, and 14) .....		3
Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) .....		7-7
below.....		9-8
		2-1
		24.72%
		6.18
R. Q. Dk. if engine and boiler openings not by bridge house (Para. 11) .....		-6 1/4"

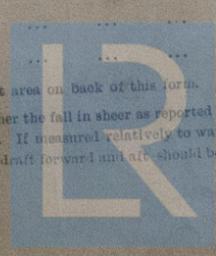
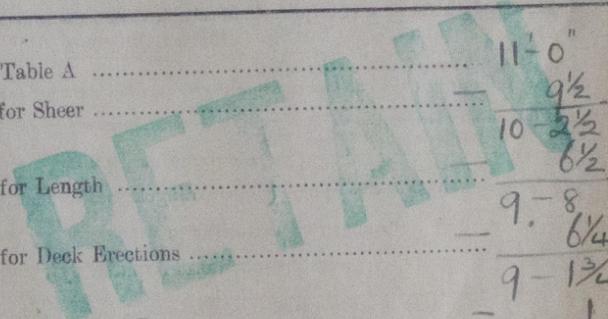
Winter Freeboard .....	8'-11 1/4"
Summer Freeboard .....	7 1/2" 8'-3 3/4"
Indian Summer Freeboard .....	7'-8 1/4"
N. A. Winter Freeboard .....	
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or iron deck with side. ....	2 1/4"
Winter Freeboard from deck line .....	9'-1 1/2"
Summer " " " " .....	8'-6"
Indian Summer " " " " .....	7'-10 1/2"
N. A. Winter Steel Shelter " " " " .....	8'-6"

Length.	Length allowed.	Height.
45	45	8'-0"
130	130	8'-6"
	175	
	424.75	= .412

D 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	" " "

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.



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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?

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 or 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

What is the thickness of the Bridge Front plating? and Coaming plate?

Give scantlings and spacing of the Stiffeners

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?

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.		Ship.	Rule.								
COAMING	Height above top of DECK										
	Thickness { Sides..... Ends.....										
SHIFTING BEAMS OR WEB PLATES.	Number .....										
	Section and Scantlings .....										
	Material .....										
* FORE AND AFTERS.	Number .....										
	Section and Scantlings .....										
	Material .....										
HATCHES Thickness .....											
Remarks.....											

See attached Report

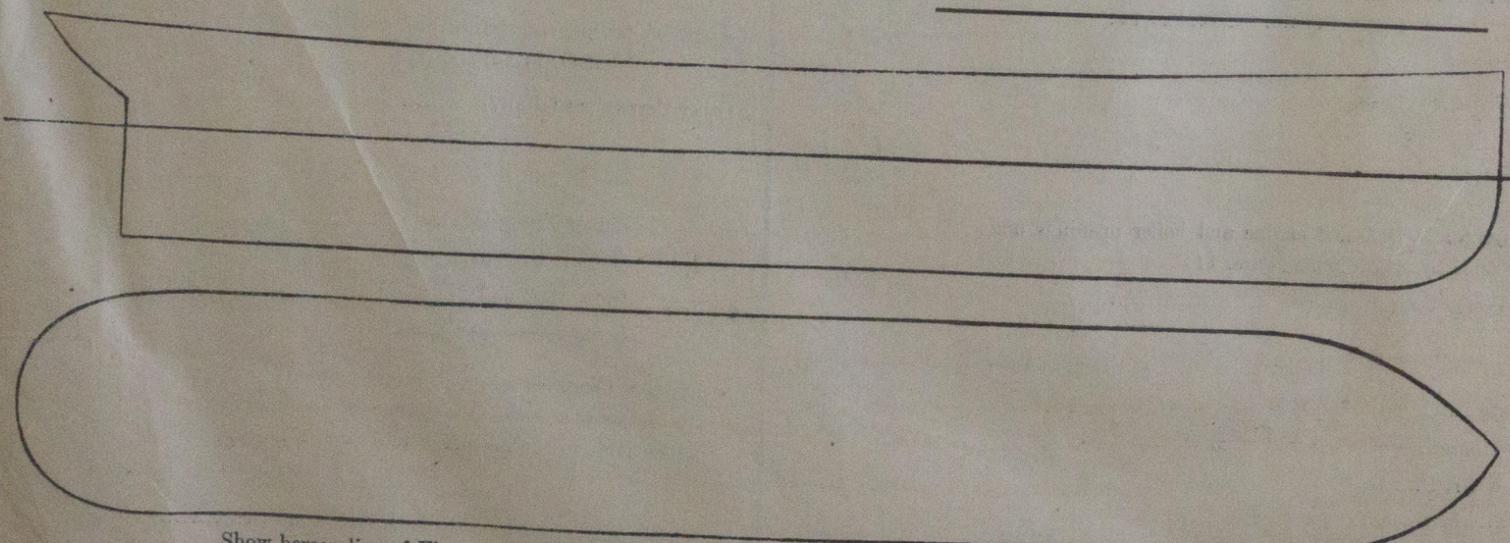
\* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.  
 (If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge 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				
Area of Freeing Ports required by Para. 11 (e) each side of vessel			=	Sq. ft.
Ft. Tenths.	Ft. Tenths.	No.	} Freeing Ports (each side of vessel)	=
×	×	×		
×	×	×		
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

Builder's name and yard number

Names of sister vessels

Owners

Address

Fee £

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