

Lloyd's Register of British & Foreign Shipping. 27082.

SURVEYS FOR FREEBOARD.—STEAM SHIPS. F.M. 16 OCT 1906

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 DECK, CONNECTED WITH BRIDGE HOUSE, OR OTHERWISE.

Port of Survey

Date of Survey

Name of Surveyor

Bowling
October 14th 1908
Henry Gibbs

Ship's Name	Port of Registry and Nationality	Official Number	Gross Tonnage	Date of Build	Particulars of Classification
HAMILTON	Stranrair British	98334		1905	100 A1
Number in Register Book	108				
Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK Tonnage.	Moulded Depth as measured
	97.5	20.1	8.1 8.5 to floor	121.89	9' 0 1/2"
Length on LOADLINE	Frame Depth Rule	Ceiling Sheer	Peak Tanks		
97.0	3 3	fitted +1.8			
CORRECTED DIMENSIONS.	97.0	20.1	8.6	121.89	

NOTE.—If the depth is measured when vessel is afloat, the details of measurement should be reported.

Co-efficient of fineness 0.72

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

Co-efficient as corrected

Sheer at Stem... 34.5
at Sternpost... 22.0 } $56.5 \div 2 = 28.25$ Mean

Sheer at 1/2 of the length from Stem 18 } 29 } $\div 2 = 14.5$ Mean
Sternpost 11 }

Gradual mean Sheer 26.36

Standard mean Sheer (Table, Para. 18) 11.82

Difference..... 2.68 $\div 4 = -3/4$ Correction

§ If limited as Para. 18 (f).....

Rise in Sheer { At front of bridge house..... 4"
from amidships {
[Para. 18 (e)] { At after end of forecastle 15"

Fall in sheer } Nil $\div 2 =$
Para. 18 (d) }
length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 2 1/2
Correction for Length, if required (Para. 12, 13, and 14) 1 1/2

Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) } 1-1 1/2
Difference 1-0
Percentage as below..... 29.92%

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }
Allowance for Deck Erections -3 1/2

	Length.	Length allowed.	Height.
Castle.....	14.0 $\times \frac{5}{6}$	11.66	5.0
Bridge House	7.0 $\times \frac{2.66}{2}$	7.0	7.0
Raised Qr. Dk.....	30.0 $\times \frac{2.98}{2}$	26.77	2.8
Total	51.0	45.43	
	97.0 $\div 2.66$	363.44	
Height of Ship		97.0	3.74 eight
Allowing percentage { Para. 11, 12, 13, or 14) } 29.92%			

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 " " "

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 97.0
Length in Table 108.5
Difference 11.5
Correction for 10ft., Table A. 8 Table C. 4
 \times Difference divided by 10 (if required.)
If 1/10th length covered divide by 2 -1 - 1/2

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CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10th length covered 525
Thickness of usual wood deck, less stringer. $2 - \frac{10}{20} = 2 \frac{1}{2}$ - 1 1/4

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 20.0
Round of Beam..... 6 1/2
Normal round 5
Difference 1 1/2 $\div 2 =$ 3/4
Proportion of Deck uncovered (Para. 19) 475 - 1/4

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

Freeboard, Table A 1-2 1/2
Correction for Sheer 3/4
Correction for Length 1-0 3/4
Allowance for Deck Erections -3 1/2
Correction for Round of Beam..... 9
Correction for fall in Sheer (if any)
Correction for Iron Deck (if required) -1 1/4
Additions for non-compliance with provisions of }
Para. 11 (d) and (e) }
Other Corrections (if any)..... 7 3/4

Winter Freeboard 7 3/4
Summer Freeboard 6 1/4
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. 3/4

Winter Freeboard from deck line 8 1/2
Summer " " " 7
Indian Summer " " "
N. A. Winter, " " "

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 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? *yes* Bridge House? *yes* Forecastle? *yes*
 To what height do the Reverse Frames extend? *Upper turn of bilge & deck.*
 Has the ~~Poop~~ 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~~ 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? and Coaming plate?
 Give scantlings and spacing of the Stiffeners *3 x 3 x 7/20 angle & 2 1/2 x 2 1/2 x 9/20 rivets 1" spaced 30 apart*
 Are bracket plates fitted at each end of the Stiffeners? *stiffeners at bottom* 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? *Hinged Iron Doors*
 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, Poop, 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? ☒
 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:— *yes*

Position and Size.		35-0 x 13-0									
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of Deck	30"	30"								
	Sides.....	9/20									
	Ends.....	9/20									
SHIFTING BEAMS OR WEB PLATES.	Number.....	3									
	Section and Scantlings.....	Hylo 9/20									
	Material.....	steel									
FORE AND AFTERS.	Number.....	3									
	Section and Scantlings.....	127x7 206x6	127x7 206x6								
	Material.....	spine	spine								
HATCHES	Thickness.....	2 1/2	2 1/2								
Remarks.....		3 brackets each side of hatch									

* 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? ☒ Strake between Main and Bridge Sheerstrakes? ☒

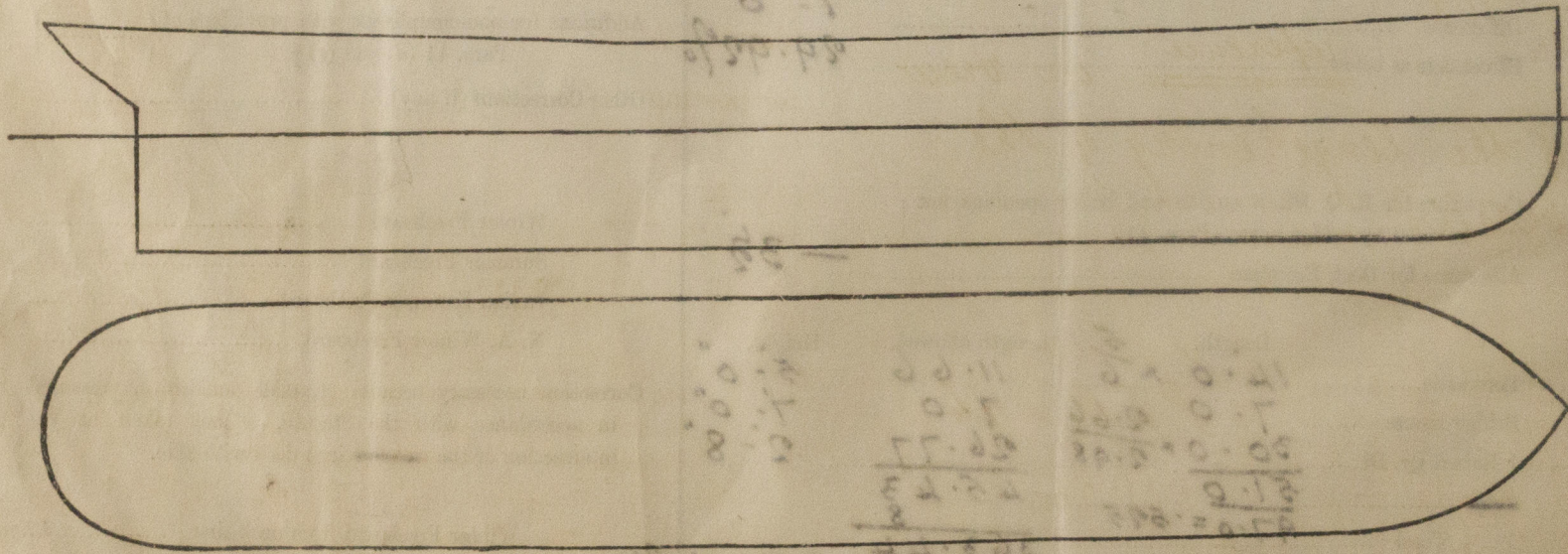
Delete the words { The Crew ~~are~~, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, ~~and~~ satisfactory. *vessel 150 ft*

Length of Bulwarks in well *46 feet.*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *11.1* Sq. ft.

Ft. Tenth.	Ft. Tenth.	No.	Freeing Ports (each side of vessel)	=	11.25	Sq. ft.
2.5	1.5	3				

Total deficiency or excess = *.15* 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 vessel has been lengthened 12' 3" by Messrs Scott Sons Bowling. & freeboard will be forwarded later. Approved lengthening for Owners enclosed which please return.*

Address
 Fee £ *1 : 4 : -*
Applied for 15/10/08.

Received by me *20/10/08*

15/10/08
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LLOYDS REGISTER LONDON

REGD 9 01 ANSP 9

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No. 108.

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vessel.

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The Secretary Lloyd's Register

To be returned to