

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 *Luth*
Date of Survey *31st March 1916*
Name of Surveyor *H. Anderson*

Ship's Name. *Denmark* Port of Registry and Nationality. *Gunnock British* Official Number. *128659* Gross Tonnage. *1965* Date of Build. *1916* Particulars of Classification. *+100 A1 Contemplated*

Registered Tonnage from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<i>280.2</i>	<i>41.9</i>	<i>18.9</i>	<i>1785</i>
	<i>279.75</i>	Frame Depth <i>41.24</i> Rule <i>41.4</i>	Ceiling <i>22</i> Sheer <i>58</i> <i>4"</i> <i>2x4 = - .66</i> <i>3" drop in</i> <i>+ .12</i>	Peak <i>Included</i> Tanks <i>Innager</i> <i>8 1/2 Tris for</i> <i>(tank) - 115</i>
	<i>279.75</i> <i>280.2</i>	<i>41.24</i> <i>41.4</i>	<i>19.48</i> <i>19.57</i>	<i>1785</i> <i>1784</i>

Moulded Depth as measured.....*20.9 1/2*
22-0
3-0 1/2
18-11 1/2 to tank

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.....*279.75*
Length in Table*249.5*
Difference*30.25*
Correction for 10ft., Table A.*1.20* Table C.*.6*
× Difference divided by 10*3.63* (if required.) *1.81*
If 1/10ths length covered divide by 2 *3.63* *+3 1/4* *+1 3/4*

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered*45.2*
Thickness of usual wood deck, less stringer*(4-1/2) = 3 1/2*
3.56 = (-1.50) *-1 1/2*

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....*40.11*
Round of Beam*14 1/2*
Normal round.....*10 3/4*
Difference*44.2 = 28*
Proportion of Deck uncovered (Para. 19)*5.78* *-1 1/4*

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

ALLOWANCE FOR DECK ERECTIONS:—

Table C.....*1-6.33*
Correction for Length, if required (Para. 12, 13, and 14)*1.8*
Table A.....*4-0.06*
Correction for shear, and for length, if required (Para. 12, 13, and 14)*2.11 1/2*
Total*2-3.92*
Age as below.....*26.52*
26.52
26.52

Freeboard, Table A*4-1.37*
Correction for Sheer*-4.94*
Correction for Length*+3.63*
Allowance for Deck Erections*7.40*
Correction for Round of Beam.....*3-3.44*
Correction for fall in Sheer (if any).....
Correction for Iron Deck (if required).....*1.10*
3-1.94
Additions for non-compliance with provisions of Para. 11 (d) and (e) ‡
Other Corrections (if any)

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)*-7 1/2*
Allowance for Deck Erections*7.40*

Length.	Length allowed.	Height.
<i>29.20</i>	<i>29.20</i>	<i>7.0</i>
<i>67.50</i>	<i>70.25</i>	<i>7.0</i>
<i>21.30</i>	<i>22.30</i>	<i>7.0</i>
Total	<i>118</i>	<i>22.55</i>
of Ship	<i>279.75</i>	<i>280.0</i>
Corresponding percentage	<i>275</i>	<i>26.52%</i>

Winter Freeboard*3-1.94*
Summer Freeboard*2-11.00*
Indian Summer Freeboard*2-8*
N. A. Winter Freeboard*3-4*
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.
Winter Freeboard from deck line*3.23 1/4*
Summer " " " "*2.10 3/4*
Indian Summer " " " "*2-10*
N. A. Winter " " " "*3-6*

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 " " "

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 height of the R. Q. Dk. is to be taken from the lowest point measured at the stem and sternpost. In flush-decked vessels the total height of the R. Q. Dk. is to be taken from the lowest point measured at the stem and sternpost. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and sternpost.

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MARITIME INFORMATION
P.T.O.

Do all the Frames extend to the top height in the Poop? *yes* Raised Quarter Deck? ☒ Bridge House? *Alhambra* Forecastle? ☒
 To what height do the Reverse Frames extend? *none*
 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 *none*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *no* Has the Bridge House an efficient Bulkhead at the fore end? *yes*
 Give particulars of the means for closing the openings in Bulkhead *none*
 What is the thickness of the Bridge Front plating? *.34* and Coaming plate? *.40*
 Give scantlings and spacing of the Stiffeners *7 x 3 x .54 B H spaced 30" apart*
 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? *Channels & weather bands & hinged steel doors spanning 4'-0" x 3'-0"*
 Is the Forecastle at least as high as the main or top-gallant rail? *yes* Has the Forecastle an efficient Iron ~~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 *.26 Coaming 30 3 x 2 1/2 x 30 spaced 30"*
 What is the height of the exposed Casings? *7'-0"* 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.		No. 1 Hatch 25.0 x 16.0		No. 2 25.0 x 16.0		No. 3 25.0 x 16.0		No. 4 22.6 x 16.0			
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	36	30	36	30	36	30	36	30		
	Thickness { Sides.....	.46	.46	.46	.46	.46	.46	.46	.46		
	{ Ends.....	.40	.40	.40	.40	.40	.40	.40	.40		
SCUTTLES OR WEB PLATES.	Number	2		2		2		2			
	Section and Scantlings	4 x 3 x .40	<i>a</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>		
	Material	Nil									
* FORE AND AFTERS.	Number	Three						Three			
	Section and Scantlings	C. 9 x 7	<i>a</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>	C. 8 x 7	<i>a</i>		
	Material	Plank Pine						Plank Pine			
HATCHES Thickness		8	2 1/2	3	2 1/2	3	2 1/2	3	2 1/2		
Remarks.....		Plank Pine	<i>a</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>		

* 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? _____

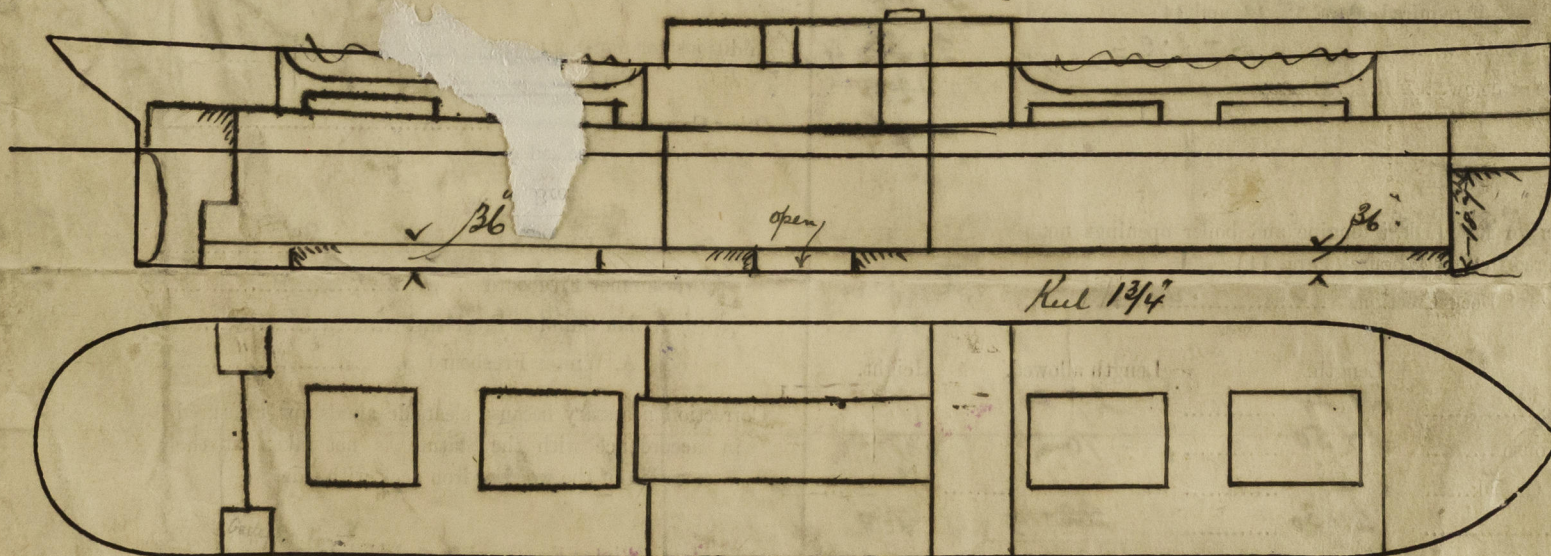
Delete the words { The Crew are, are not, berthed in the bridge house. *Crew in poop*
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well *49.6*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *15.9* Sq. ft.

Ft. Tenth.	Ft. Tenth.	No.	} Freeing Ports (each side of vessel) =	<i>16.98</i> Sq. ft.
<i>2.83</i>	<i>x 1.5</i>	<i>x 4</i>		
<i>x</i>	<i>x</i>	<i>x</i>		

Total deficiency or excess = *1.08* 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 *Weather section & propeller plans herewith enclosed for reference. Please wire Builders direct on arrangements of fastenings.*

Owners _____

Address _____

Fee £ _____

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