

Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD - STEAM SHIPS.

304-59

8419

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 RAISER QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Part of Survey *Londonerry.*
 Date of Survey *Building.*
 Name of Surveyor *E. Kendall*

North of Ireland S.S. Co. No 100

Ship's Name NAUSICAA	Port of Registry and Nationality <i>French.</i>	Official Number	Gross Tonnage 5000 <i>approximate.</i>	Date of Build. 1922	Particulars of Classification * 100 A1. contemplated. <i>carrying petroleum in bulk.</i>
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	399	52.7	29.05	4618.66
Length on LOADLINE.	387.5	52.7	29.05	4618.66
CORRECTED DIMENSIONS.	387.5	52.7	30.20	4668.66

Moulded Depth as measured..... 29.3"

addition for keel below base line for draught record 2 inches.

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

Co-efficient of fineness..... *75.76*

Any modification necessary [Para. 4 (a) to (e)]* *+ .01 for bottom longitudinal*

Co-efficient as corrected..... *75.77*

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	387.5"
Length in Table	351.0"
Difference	36.5"
Correction for 10ft., Table A.	1.5"
× Difference divided by 10	5.47" (if required.)
If $\frac{1}{10}$ ths length covered divide by 2 say + 5.2"	2.73"
	+ 2.74"

Sheer { Stem..... *111* } *169" ÷ 2 = 84.5" Mean*

at { Sternpost... *58* } *36 / 34.43*

Sheer at $\frac{1}{4}$ of the length from { Stem *61* } *91.5" ÷ 2 = 45.75" Mean*

{ Sternpost *30.5* } *÷ 55 = 83.18*

Gradual mean Sheer..... *83.18*

Standard mean Sheer [Table, Para. 18]..... *48.75"*

Difference..... *34.25" + 4 = 38.25"*

§ If limited as Para. 18 (f)..... *say - 8.5"*

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered... *.64*

Thickness of usual wood deck, less stringer... *334 × .76 = - 2.5"*

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

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... *51.4 1/2"*

Round of Beam..... *13"*

Normal round..... *13" ÷ 2 = 6.5"*

Difference..... *16" ÷ 2 = 8"*

Proportion of Deck uncovered (Para. 19)..... ✓

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

ALLOWANCE FOR DECK ERECTIONS: -

Freeboard, Table C.....	<i>4'-0 1/2"</i>
Correction for Length, if required (Para. 12, 13, and 14) ...	<i>2 1/4"</i>
Freeboard by Table A, corrected for shear, and for length, if required (Para. 12, 13, and 14)	<i>7'-0"</i>
Difference	<i>2'-8 1/4"</i>
Percentage as below.....	<i>35.2% 39.04%</i>
	<i>12.49"</i>
	<i>11.35"</i>

Freeboard, Table A	<i>7'-2 3/4"</i>
Correction for Sheer	<i>- 8 1/2"</i>
Correction for Length	<i>6'-6 1/2"</i>
Allowance for Deck Erections	<i>+ 5 1/2"</i>
Correction for Round of Beam.....	<i>6'-11 7/8" 0"</i>
Correction for fall in Sheer (if any).....	<i>- 1'-0 1/2" 11/4</i>
Correction for Iron Deck (if required)	<i>5'-10 1/2"</i>
Other Corrections (if any)	<i>6'-0 1/4"</i>
Winter Freeboard	<i>5'-8 1/2" 10/4</i>
Summer Freeboard	<i>5'-3 5"</i>
Indian Summer Freeboard	<i>4'-7 11/4"</i>
N. A. Winter Freeboard	

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)	<i>11 1/4"</i>
Allowance for Deck Erections	<i>1'-0 1/2"</i>
	<i>12.49"</i>
	<i>11.35"</i>

Forecastle.....	Length.	Length allowed.	Height.
	60.5	56.0 - 57.62	7.0
Bridge House.....	27.0	27.0	7.0
+ Raised Quarter Deck.....	18.0	18.0	5.0
Poop.....	106.0	106.0	7.0
Total	211.5	207.0	209.21
Length of Ship	397.5	387.5	588.54

Corresponding percentage { Para. 12, 13, and 14 } *35.2% 39.04%*

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. *- 7 1/4" Incl.*

FREEBOARD recommended amidships from centre of Disc to top of Statutory Line

Fresh Water Line	above centre of Disc
Indian Summer Line	" " "
Winter Line	below " "
Winter North Atlantic Line	" " "

Freeboard in fresh water Summer	14.92	m/m	4-10 3/4
" " Indian seas in Summer	15.18	m/m	4-11 3/4
" " Summer (centre of the disc)	16.51	m/m	5-5
" " Winter	17.34	m/m	5-10 1/4
" " Winter, North Atlantic		m/m	✓

If the frames, skin plating, 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 sheer drops abaft amidships the height of the R. Q. D. is to be taken from the level of the top of the amidships beam.

In 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 from each of the vessel's length from stem and stern-post.

Measured from top of statutory deck line marked at the intersection of the iron upper, main, spar, or side.

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RETAIN

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Do all the Frames extend to the top height in the Poop? *Yes.* Raised Quarter Deck? *✓* Bridge House *Yes* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *Longitudinal Framing*
 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 *Bolted Plates Bolts spaced 6" passing through poop*
 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 *Strong Iron Doors.*
 What is the thickness of the Bridge Front plating? *.40* and Coaming plate? *.44*
 Give scantlings and spacing of the Stiffeners *6" 3 1/2" x .35" angles 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? *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.		<i>W 21' Fore 10'6" x 12'0"</i>									
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	
COAMING	Height above top of DECK	<i>30"</i>	<i>24"</i>								
	Thickness	Sides.....	<i>.44"</i>	<i>.44"</i>							
		Ends.....	<i>.44"</i>	<i>.44"</i>							
SHIFTING BEAMS OR WEB PLATES	Number.....	<i>one</i>	<i>one</i>								
	Section and Scantlings	<i>11 x .30 plate and 4 angles</i>	<i>11 x .30 plate and 4 angles</i>								
	Material.....	<i>3 x 3 x .40</i>	<i>3 x 3 x .40</i>								
* FORE AND AFTERS	Number.....										
	Section and Scantlings										
	Material.....										
HATCHES	Thickness.....	<i>3" (see marking form)</i>									
Remarks.....											

Oil tight hatch covers to each compartment.

* 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, 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) = _____ Sq. ft.
 Total deficiency or excess = _____ Sq. ft.

Approved sketches of Midship Section and Profile enclosed herewith. 3 plans.

$$\left. \begin{aligned}
 &80' \times \frac{30}{51.37} \times \frac{4.71}{6.0} = 36.7 \\
 &11.6 \times \frac{30}{51.37} \times \frac{5.35}{6.0} = 6.04 \\
 &6.4 \times \frac{30}{51.37} = 3.74
 \end{aligned} \right\} 46.48 \times \frac{4}{5} \times \frac{1}{2} = 18.59'$$

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

Owners

Address

approximate
 Fee £ 10 : 0 : 0

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