

Ept. 11b.
cell 24455.
cell 24535

Index No. 30501
(For London Office only.)

Lloyd's Register of 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 Plymouth
Date of Survey 17th May 1922
Name of Surveyor James Butler

Ship's Name S.S. "NASSA"
Port of Registry and Nationality London
Official Number ✓
Gross Tonnage 5690
Date of Build Building in bulk (contingplaid)
Particulars of Classification +100A1 Carrying petroleum
Number in Register Book 38684 Sup. British

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>412.0</u>	<u>53.3</u>	<u>31.05</u>	<u>5237.41</u>
Length on LOADLINE.	<u>411.5</u>	<u>53.09</u>	<u>31.68</u>	<u>5290.41</u>
CORRECTED DIMENSIONS.	<u>411.5</u>	<u>53.09</u>	<u>31.68</u>	<u>5290.41</u>

Moulded Depth as measured.....31.0
Addition for Keel below base line for draught record...2 1/4 inches.

NOTE.— If the depth is measured with a cross is added, the cross of measurement should be reported.

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....411.5
Length in Table372.0
Difference39.5
Correction for 10ft., Table A.1.6 Table C. .8
× Difference divided by 106.32 (if required.) 3.16
If 1/10ths length covered divide by 2 + 6 1/4 + 3 1/4

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered47.4
Thickness of usual wood deck, less stringer 4.64 = 3.36
- 1 1/2

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....52.66
Round of Beam12.75
Normal round.....13.165
Difference415 ÷ 2 = 207
Proportion of Deck uncovered (Para. 19)5.163

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

Co-efficient of fineness......76
Any modification necessary [Para. 4 (a) to (e)]* + .01 for bottom longitudinal
Co-efficient as corrected76 77

Sheer { Stem.....10.2 } 15.2 ÷ 2 = 7.6 Mean 56.82
at { Sternpost ... 5.0 } 51.15
Sheer at 1/2 of the length from { Stem 54.25 } 73.50 ÷ 2 = 36.75 Mean 66.82
{ Sternpost 19.25 } 43.5
Gradual mean Sheer66.82
Standard mean Sheer [Table, Para. 18]51.15 Correction
Difference.....15.67 ÷ 4 = 3.92
§ If limited as Para. 18 (f)- 4

Rise in Sheer { At front of bridge house.....✓
from amidships { At after end of forecastle✓
[Para. 18 (e)]
Fall in Sheer { ÷ 2 =
Para. 18 (d) }
Length uncovered✓ Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....4 - 9 1/2
Correction for Length, if required (Para. 12, 13, and 14)+ 3 1/4
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14)8 - 2 1/2
Difference.....3 - 1 1/2
Percentage as below.....30.208%
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)- 11 1/2
Allowance for Deck Erections- 11 1/2

	Length.	Length allowed.	Height.
Forecastle.....	<u>57.08</u> incl. railing	<u>55.08</u>	<u>7.6</u>
Bridge House.....	<u>31.75</u>	<u>29.40</u>	<u>7.6</u>
† Raised Qr. Dk.....	<u>✓</u>		
Poop.....	<u>110.25</u>	<u>110.25</u>	<u>7.6</u>
Total.....	<u>199.08</u>	<u>195.43</u>	<u>47.4</u>
Length of Ship.....	<u>411.5</u>	<u>411.5</u>	
Corresponding percentage (Para. 11, 12, 13, or 14).....	<u>30.208%</u>		

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck:—
Fresh Water Line above centre of Disc6 3/4
Indian Summer Line " " "5 1/2
Winter Line below " " "5 1/2
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 sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the forecastle 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 one-eighth of the vessel's length from stem and stern-post.

19.5.22
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Freeboard, Table A7 - 11 3/4
Correction for Sheer- 4
Correction for Length7 - 7 3/4
Allowance for Deck Erections8 - 2 1/2
Correction for Round of Beam.....7 - 2 1/4
Correction for fall in Sheer (if any).....✓
Correction for Iron Deck (if required)- 1 1/2
Additions for non-compliance with provisions of Para. 11 (d) and (e) †7 - 2 1/4
Other Corrections (if any)✓
Winter Freeboard7 - 2 1/4
Summer Freeboard6 - 7 3/4
Indian Summer Freeboard6 - 2 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. + 1 3/4
Winter Freeboard from deck line7 - 2 3/4
Summer " " "6 - 9 1/2
Indian Summer " " "6 - 2 1/4
N.A. Winter " " "6 - 9 1/2

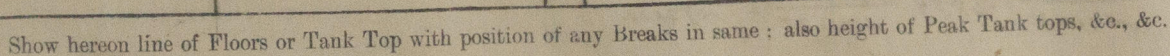
State dimensions of freeing port area on back of this form.
The Surveyor should state whether the fall in sheer as reported is measured relatively to the line of keel or the water line. If measured relatively to water line the vessel's draft at time of survey, and also the usual load draft forward and aft should be reported.

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The weather D. requirements of Section 18 of the Rules for 1904-5? Give particulars below:—										
Position and Size.		N ^o 1. 7'-0" x 8'-0"		N ^o 2. Main oil		N ^o 3. Summer		N ^o 4. 5'-6" x 12'-2"		
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING	on Forecastle		hatches		hatch hatches		on Poop.			
Height above top of DECK	24"		16 2 6'-0" x 4'-0"		10 2 6'-0" x 4'-0"		24"			
Thickness	Sides.....	44"	2 2 5'-0" x 3'-0"		Coamings		44"			
	Ends.....	44"	Coamings		9 x 3 1/2 x .42		44"			
			9 x 3 1/2 x .42		bulb angle		44"			
			bulb angle							
SHIFTING BEAMS OR WEB PLATES.	Number									
	Section and Scantlings									
	Material									
* FORE AND AFTERS.	Number									
	Section and Scantlings									
	Material									
HATCHES Thickness	Steel W. T. cover 5/8" thick efficiently		Steel W. T. cover 1/2" thick efficiently		Steel W. T. cover 1/2" thick efficiently		Steel W. T. cover 5/8" thick efficiently			
Remarks	stiffened		stiffened		stiffened		stiffened.			

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: _____

Total deficiency or excess $\frac{1}{2}$ =

$$\frac{12050}{44.5 \times 40} = 6.78^{\circ}$$


Will be charged with Mr. Emory.

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