

Verification Report.

Index No. 30163.
(For London Office only)
SAT. SEP. 3 1921

Lloyd's Register of Shipping.

REGULATIONS FOR FREEBOARD.—STEAM SHIPS.

APPLYING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH
FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR
FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS
CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey Full.
Date of Survey 30th Aug to 2nd Sept 21.
Name of Surveyor S. Marshall

M.B. Cook, Nelson & Tennant's No 441.

Name of Ship "ESMERE"	Port of Registry and Nationality <u>British</u>	Official Number <u>145870</u>	Gross Tonnage <u>about 425</u> <u>345.06</u>	Date of Build <u>1921.</u>	Particulars of Classification <u>#100A.1. (Contemplated).</u>
Register Book <u>28431.</u>					

REGISTERED DIMENSIONS FROM REGISTER.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>135.0</u>	<u>23.15</u>	<u>9.05</u>	<u>221.25.</u>
Length on LOADLINE.	<u>134.58</u>	Frame Depth 4 Rule " 3	Ceiling fitted Sheer + .51	Peak } included Tanks
CORRECTED DIMENSIONS.	<u>134.58</u>	<u>22.98</u>	<u>9.84</u>	<u>226.85</u>

Moulded Depth as measured..... 10-3.
Addition for Keel below base line for draught record..... 1 3/8 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.....	<u>134.58</u>
Length in Table	<u>123.00</u>
Difference	<u>11.58</u>
Correction for 10ft., Table A.	<u>0.85</u> Table C. <u>0.45</u>
× Difference divided by 10	<u>0.984</u> (if required.) <u>0.52</u>
If 1/10ths length covered divide by 2	<u>Par 14 +1</u> <u>Par 11 + 1/2</u> <u>+ 1/2 Say 1 1/2</u>

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered	<u>54%</u>
Thickness of usual wood deck, less stringer	<u>3-1/2" = 2 1/2"</u> <u>Say 1 1/2"</u>

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>23.0</u>
Round of Beam	<u>6</u>
Normal round.....	<u>5 1/2</u>
Difference	<u>1/2 ÷ 2 = 1/4</u>
Proportion of Deck uncovered (Para. 19)	<u>4.15</u>

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

Co-efficient of fineness..... 44.75
Any modification necessary [Para. 4 (a) to (e)]* none
Co-efficient as corrected 44.75

Sheer { Stem..... 51.5 } 48.0 ÷ 2 = 39.0 Mean 24.75
at { Sternpost ... 26.5 } 55 = 45.0

Sheer at 1/2 of the length from { Stem 29.5 } 49.5 ÷ 2 = 34.75 Mean
{ Sternpost 20.0 } Par 11

Gradual mean Sheer 45 + 39 Par 14 42.00
Standard mean Sheer [Table, Para. 18] 14.07 Par 11 23.46 Correction

§ If limited as Para. 18 (f) 14.07 ÷ 4 = 3.52 Par 11
Par 14. - 1 3/4 36 = 51

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

Fall in Sheer { none ÷ 2 =
Para. 18 (d) }
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS

Freeboard, Table C.....	<u>0 - 2 1/2</u>	<u>Par 11</u>	<u>Par 14</u>
Correction for Length, if required (Para. 12, 13, and 14)	<u>0 1/2</u>		
Freeboard by Table A, corrected for shear and for length, if required (Para. 12, 13, and 14)	<u>1 - 0 1/2</u>		
Difference	<u>0 - 10</u>		
Percentage as below.....	<u>40.7%</u>		
Par 11. <u>- 1/4"</u> <u>+ 1/2"</u> <u>- 4"</u> = <u>- 8 1/4"</u> <u>for 1/10</u>	<u>- 0.4"</u>		
Par 14. <u>- 1 1/4"</u> <u>+ 1"</u> <u>- 5"</u> = <u>- 5 1/4"</u> <u>for 5/10</u>	<u>- 3.97"</u>		
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)	<u>+ 0.03</u> <u>Par 11</u>		
Allowance for Deck Erections	<u>5 1/4</u>		

	Length.	Length allowed.	Height.
Forecastle.....	<u>20.35</u>	<u>19.38</u>	<u>6-6</u>
Bridge House.....	<u>8.45</u>	<u>8.87</u>	<u>4-0</u>
† Raised Qr. Dk.....	<u>49.44</u>	<u>49.44</u>	<u>3-6</u>
Poop.....	<u>none</u>		
Total	<u>78.82</u>	<u>77.69</u>	
Length of Ship	<u>134.58</u>	<u>134.58</u>	<u>54%</u>

Corresponding percentage (Para. 11, 12, 13, or 14) 56.93.

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 " " "	

Freeboard, Table A	<u>1-5 1/4</u>
Correction for Sheer	<u>4 3/4</u>
Correction for Length	<u>- 7 1/4</u>
Allowance for Deck Erections	<u>6-1 1/2</u>
Correction for Round of Beam.....	<u>0-8 1/2</u> <u>9 1/2"</u>
Correction for fall in Sheer (if any).....	
Correction for Iron Deck (if required)	<u>- 1 1/2</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<u>0-8 1/2</u>
Other Corrections (if any)	

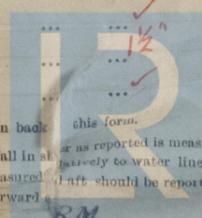
Winter Freeboard	<u>0-8"</u>
Summer Freeboard	<u>0-6 1/2"</u>
Indian Summer Freeboard	
N. A. Winter Freeboard	

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.	<u>1"</u>
Winter Freeboard from deck line	<u>0-9"</u>
Summer " " " "	<u>0-7 1/2"</u>
Indian Summer " " " "	
N. A. Winter " " " "	
Main Steel Deck (Iron) Deck :—	<u>0-7 1/2"</u>

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skin planking, or ceiling are of unusual thickness the breadth of vessel to inside should be reported if possible.

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



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Do all the Frames extend to the top height in the ^{Main deck} Peep? *yes.* / Raised Quarter Deck? *yes.* / Bridge House? *yes.*
 To what height do the Reverse Frames extend? *none. deep angle framing in fore.*
 Has the Peep or 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 Peep or Raised Quarter Deck connected with the Bridge House? *yes.* / Has the Bridge House an efficient Bulkhead at the fore end?
 Give particulars of the means for closing the openings in Bulkhead *no openings, (except five 10 light.)*
 What is the thickness of the Bridge Front plating? *28* and Coaming plate? *30*
 Give scantlings and spacing of the Stiffeners *30 spacing, Stiff: L 6 1/2 x 3 x 7/16*
 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 ^{Steel} Iron Bulkhead at the after end? *yes.*
 How are the openings closed? *none.*
 Is the Forecastle at least as high as the main or top-gallant rail? *yes.* / Has the Forecastle an efficient ^{Steel} Iron or Wood Bulk'd. at after end? *yes.*
 Are the Engine and Boiler openings covered by a Bridge, Peep, 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? *yes.*
 Give thickness of plating; scantlings and spacing of Stiffeners *25 & 30 Coamings*
 What is the height of the exposed Casings? *6-6.* / Are suitable means provided for closing all openings in them in bad weather? *yes.*
 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.	at deck. 47.3 x 15.6									
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMINGS	Height above top of DECK	45	34							
	Thickness	Sides	.5	.5						
		Ends	.5	.5						
SHIFTING BEAMS OR WEB PLATES	Number	8								
	Section and Scantlings	11 3/4 x 3 x 4 / 16 x 3.5								
	Material	Steel								
* FORE AND AFTERS	Number	none								
	Section and Scantlings									
	Material									
HATCHES	Thickness	2 1/2	2 1/2							
Remarks	Satisfactory									

* 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.

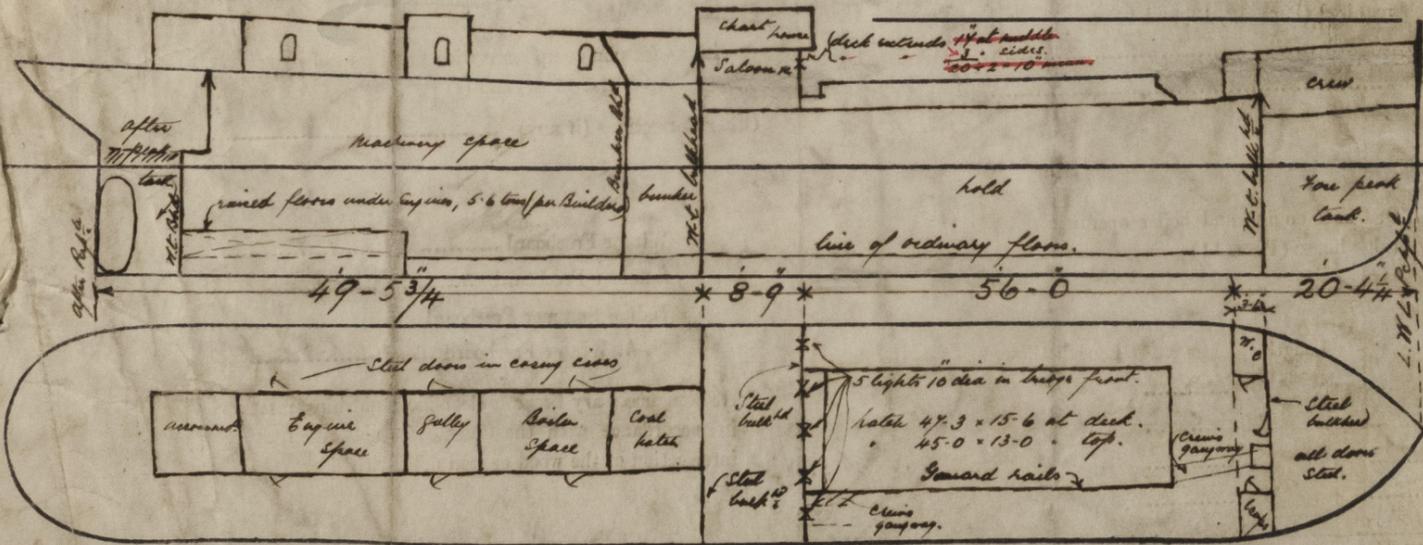
What is the thickness of the Bridge Sheerstrake? *yes.* / Strake between Main and Bridge Sheerstrakes? *yes.*

Delete the words *The Crew 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 *56.0*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *12.10* Sq. ft.

Ft.	Tenths.	Ft.	Tenths.	No.	} Freeing Ports (each side of vessel) = <i>12.66</i> Sq. ft.
7	4	1	4	1	
2	4	1	6	1	
2	5	1	5	1	Total deficiency or excess = <i>0.56</i> 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 *there are no special features in the construction, copies of approved plans of Midship Section, Profile and deck plan are in the London Office, Survey Request Form is forwarded.*

Owners
 Address

Rec'd 3 0 0 Received by *See Report.*

