

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 Hull
Date of Survey 19/1/21
Name of Surveyor M. Blackwood

Ship's Name
S.S. EBERN

Port of Registry
and Nationality.
Liverpool
UK

Official
Number.
143710

Gross
Tonnage.
466

Date of Build.
1921

Particulars of Classification.
100 A.1. CONTEMPLATED

Number in Register Book 78759

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>152.0</u>	<u>25.25</u>	<u>10.25</u>	<u>320.95</u>
Length on LOADLINE.	<u>152.0</u>	Rule " <u>3</u> "	Ceiling <u>11.04</u>	Peak <u>320.95</u>
		<u>5 1/2 = 11.46</u>	<u>11.04</u>	
CORRECTED DIMENSIONS.	<u>152.0</u>	<u>24.79</u>	<u>11.46</u>	<u>320.95</u>

Efficient of fineness..... .74
modification necessary {
Para. 4 (a) to (e)* }
Efficient as corrected74

Sheer { Stem..... 55" } 80 ÷ 2 = 40 ... Mean 36 1/2"
at { Sternpost ... 25" }
Sheer at 1/2 of the length from { Stem 30.75" } 44.5 ÷ 2 = 22.25" ... Mean
{ Sternpost 13.75" } ÷ 2 = 40.45"
Gradual mean Sheer 40.225"
Standard mean Sheer [Table, Para. 18] 25.200" Correction
Difference..... 15.025" ÷ 4 = 3.75"
§ If limited as Para. 18 (f) - 3 3/4"

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

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C..... 9 1/2"
Correction for Length, if required (Para. 12, 13, and 14)
Freeboard by Table A, corrected for sheer, and for length, } 1 - 5 1/4"
if required (Para. 12, 13, and 14) } 1 - 1 3/4"
Difference 66.70%
Percentage as below..... = 9.17"

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } + .20
= 8.97"
Allowance for Deck Erections Day - 9"

	Length.	Length allowed.	Height.
Forecastle.....	<u>25.0</u>	<u>23.25</u>	<u>7.0</u> "
Bridge House	<u>9.0</u>	<u>9.00</u>	<u>7.0</u> "
† Raised Qr. Dk.....	<u>86.0</u>	<u>86.00</u>	<u>3.6</u> "
Poop.....	<u>120.0</u>	<u>118.25</u>	<u>1.75</u> "
Total	<u>240.0</u>	<u>236.50</u>	<u>152.0</u>

Length of Ship
Corresponding percentage 66.70%
(Para. 11, 12, and 13)

FREEBOARD
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 " " "
North Atlantic Line " " "

Moulded Depth as measured..... 12'0"

Addition for Keel below base line for draught record..... 5.1" inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 152.0"
Length in Table 144.0"
Difference 8.0"
Correction for 10ft., Table A.9" Table C.
× Difference divided by 1072" (if required.)
If 1/10ths length covered divide by 2 .72 = .36
Say + 4"

CORRECTION FOR IRON DECK.

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

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 25.0"
Round of Beam 6 1/2"
Normal round..... 6 1/4"
Difference 1/4" ÷ 2 =
Proportion of Deck uncovered (Para. 19)

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

Winter Freeboard 3 - 11 1/2"
Summer Freeboard 3 - 9 3/4"
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. } + 1"

Winter Freeboard from deck line 4 - 7 1/2"
Summer " " " 3 - 11 1/4"
Indian Summer " " "
N. A. Winter " " "
Correction for 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.

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? *Yes* Raised Quarter Deck? *Yes* Bridge House? *Yes* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *across floors*
 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? *6/20* and Coaming plate? *7/20*
 Give scantlings and spacing of the Stiffeners *5 x 2 1/2 x 40 BA. 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? *no openings*
 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, strong steel casing*
 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 *Coaming 7/20 plating 5/20 Stiff 3 x 3 x 6/20 spaced 36" apart*
 What is the height of the exposed Casings? *6'-6"* Are suitable means provided for closing all openings in them in bad weather? *Yes Slip doors*
 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 28'-8" x 13'-0"		Nº 2 23'-9 1/2" x 13'-0"							
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING	Height above top of DECK	36"	36"	36"	36"						
	Sides.....	50	50	50	50						
	Ends.....	50	50	50	50						
SHIFTING BEAMS OR WEB PLATES.	Number	5	5	4	4						
	Section and Scantlings	16 x 35 1/2 x 3 x 45	16 x 35 1/2 x 3 x 45	Same as Nº 1							
	Material	9 x 1 1/2 x 3/16 STEEL	9 x 1 1/2 x 3/16 STEEL								
* FORE AND AFTERS.	Number										
	Section and Scantlings										
	Material										
HATCHES Thickness		3"	3"	3"	3"						
Remarks.....		Solid	Solid	Solid	Solid						

* 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? *✓* Strake between Main and Bridge Sheerstrakes? *✓*

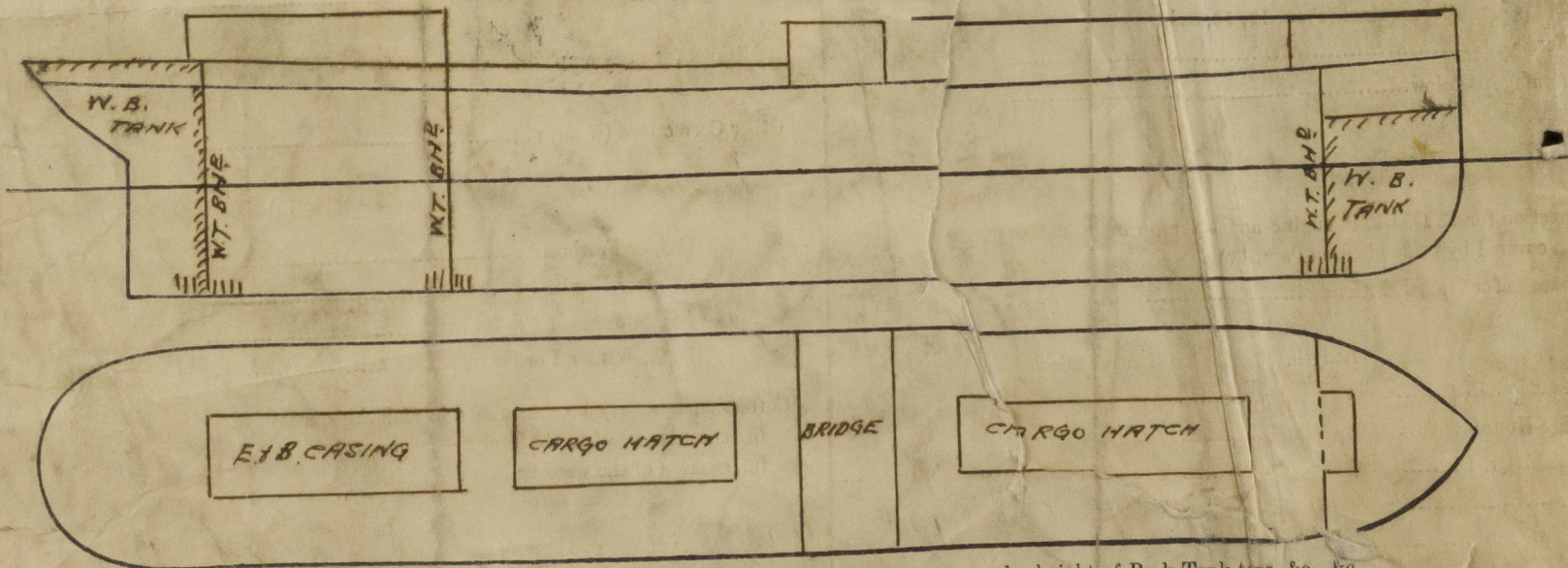
Delete the words *The Crew are, are not, berthed in the bridge house.*
 that do not apply *The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.*

Length of Bulwarks in well *22'-6"*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *9.70* Sq. ft.

Ft. Tenths. Ft. Tenths. No. } Freeing Ports = *9.96* Sq. ft.
3.00 x 1.66 x 2
 (each side of vessel)

Total deficiency or excess = *.26* 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 *SISTER VESSEL S.S. 'PICKMERE' H. FREEBOARD RA*
Nº 32270

Owners *Manchester, Liverpool & North Wales S.S. Co. Ltd*

Address *427 Albert Buildings, 12 Princess Row, Liverpool*

Fee £ *3* : 0 : 0

Received by me



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