

WRITTEN

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

23995

7849

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 Belfast
Date of Survey While under way
Name of Surveyor M. J. Ivens

Ship's Name <u>Port Darwin</u>	Port of Registry and Nationality <u>London British</u>	Official Number <u>140446</u>	Gross Tonnage <u>10365</u>	Date of Build <u>1917</u>	Particulars of Classification <u>100 A 1 shell deck with freeboard contemplated</u>
Number in Register Book					

Registered dimensions from Ship's Register	LENGTH <u>480.4</u>	BREADTH <u>60.35</u>	DEPTH <u>32.30</u>	UNDER DECK TONNAGE <u>7501</u>
Length on LOADLINE	<u>479.25</u>	Frame Depth Rule <u>9</u>	Ceiling <u>+ .20</u>	Peak Tanks <u>9728 shell deck</u>
CORRECTED DIMENSIONS	<u>479.25</u>	<u>60.02</u>	<u>33.06</u>	<u>7501</u>

Moulded Depth as measured..... 35.1
Addition for Keel below base line for draught record..... 2 inches.
8.7
43.8

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

Co-efficient of fineness..... .788
Any modification necessary [Para. 4 (a) to (e)]* Cell 8. B.
Co-efficient as corrected..... .77

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>479.25</u>
Length in Table	<u>421.00</u>
Difference	<u>58.25</u>
Correction for 10ft., Table A.	<u>1.7</u>
× Difference divided by 10	<u>9.9</u>
If 1/10ths length covered divide by 2	<u>+ 5</u>

Sheer { Stem..... 96 } 153 ÷ 2 = 76.5 ... Mean
at { Sternpost ... 57 }

CORRECTION FOR IRON DECK.
Proportion covered, if less than 1/10ths length covered

Sheer at 1/2 of the length from { Stem 54 } 86 ÷ 2 = 43 ... Mean
{ Sternpost 32 } 55 ÷ 2 = 78.18

CORRECTION FOR ROUND OF BEAM.
Breadth at Gunwale amidships..... 59
Round of Beam..... 15
Normal round.....
Difference..... ÷ 2 =

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

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

Proportion of Deck uncovered (Para. 19)

Fall in Sheer [Para. 18 (d)] ÷ 2 =

Freeboard, Table A	<u>9.7 3/4</u>	<u>6-5.25</u>
Correction for Sheer	<u>- 4 3/4</u>	<u>+ 4.66</u>
Correction for Length	<u>9.8</u>	<u>6-9.91</u>
Allowance for Deck Erections	<u>9.8</u>	
Correction for Round of Beam.....	<u>7.0</u>	
Correction for fall in Sheer (if any).....		
Correction for Iron Deck (if required)	<u>- 3 1/2</u>	<u>- 3.5</u>
Height of Deck over 8' 7" wood shell deck 3 1/2	<u>6.8 1/2</u>	<u>6-6.4</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<u>8.10 1/2</u>	<u>8-10.56</u>
Other Corrections (if any)	<u>15.7</u>	<u>15-4.91</u>
	<u>1.6</u>	
	<u>14.1</u>	
Winter Freeboard	<u>14.1</u>	<u>15-4.1</u>
Summer Freeboard	<u>13-6 1/2</u>	<u>14-10.3</u>
Indian Summer Freeboard	<u>13.0</u>	
N. A. Winter Freeboard		

ALLOWANCE FOR DECK ERECTIONS :—
Freeboard, Table C... (9.7 3/4) - (3.2 1/2) * 6.5 1/4

Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) } 9.8
Difference..... 2.9 3/4

Percentage as below..... 94.52
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } 31.89

Allowance for Deck Erections..... 32

Forecastle.....	Length. <u>399.59</u>	Length allowed. <u>399.59</u>	Height. <u>8.7</u>
Bridge House.....	<u>4.66</u>		
Raised Qr. Dk.....	<u>75.00</u>		
Total.....	<u>474.59</u>	<u>78.00</u>	
Length of Ship.....	<u>479.25</u>	<u>2.33</u> 1/2 diff	
Responding percentage (Para. 11, 12, 13, or 14)	<u>94.52</u>	<u>476.92</u>	<u>479.25 = .995</u>

Correction for Length..... 9.8

Correction for Iron Deck (if required)..... - 3 1/2

Other Corrections (if any)..... 1.6

Winter Freeboard..... 14.1

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. 15/8

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck :—

Winter Freeboard from deck line..... 14.2 5/8

Fresh Water Line	above centre of Disc	<u>13-8</u>
Indian Summer Line	" " "	<u>8</u>
Winter Line	below " " "	<u>6 1/2</u>
Winter North Atlantic Line	" " "	<u>6 1/2</u>

Summer " " " "..... 13-8 1/8

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

† State dimensions of freeing port area on back of this form.

Passenger line approved by Board of Trade.
Table C = 15.0 = 1' 4" below centre of disc

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W1021-0137

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? *Deep Channel frames to Gunwale with reverse frame to main deck*
 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 *Steel Plate hook bolted (will be fitted)*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *Shelter ok* Has the Bridge House an efficient Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *✓*
 What is the thickness of the Bridge Front plating? *✓* and Coaming plate? *✓*
 Give scantlings and spacing of the Stiffeners *✓*
 Are bracket plates fitted at each end of the Stiffeners? *✓* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *✓*
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*
 How are the openings closed? *Steel Plate hook bolted (will be fitted)*
 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? *✓*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Strong Steel deckhouse on shell's deck*
 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? *Yes*

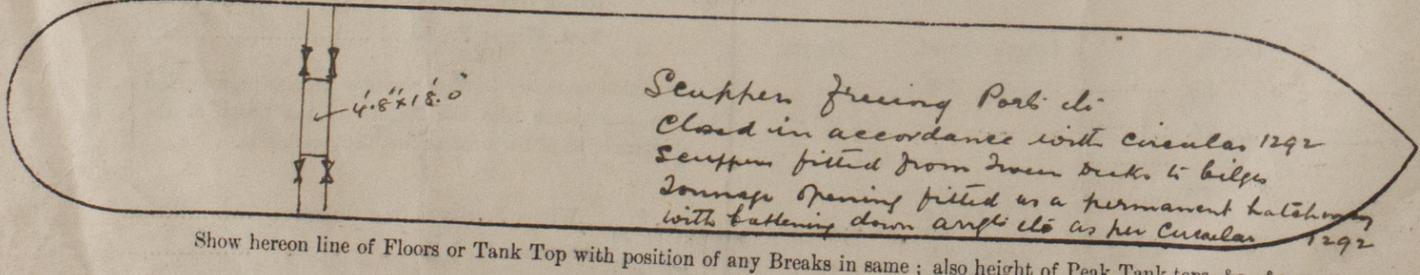
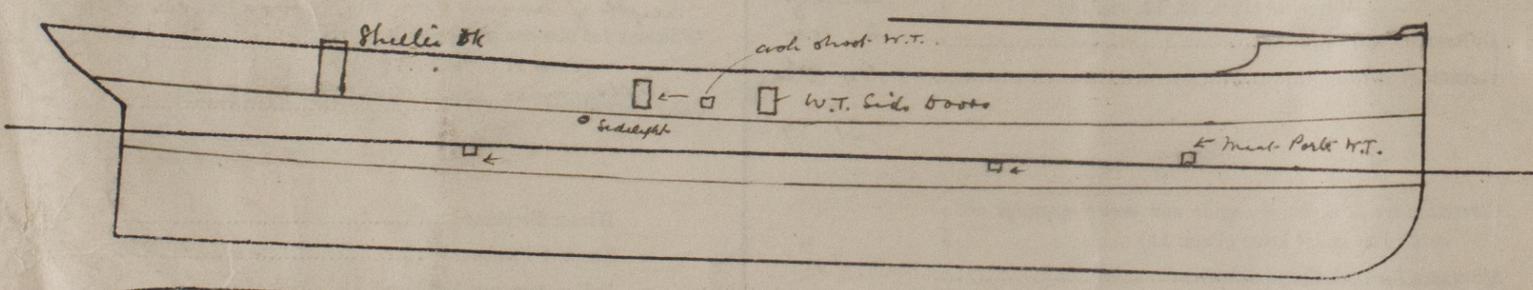
Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below:— *Yes*

Position and Size.	No 1 forward 24.9 x 18		No 2 28.0 x 18.0		No 3 18.8 x 18.0		No 4 25.8 x 18.0		No 5 18.8 x 18.0	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	30	30	30	30	30	30	30	30	30
	Thickness	Sides .46	.46	.48	.46	.44	.44	.46	.46	.44
SHIFTING BEAMS OR WEB PLATES.	Number	5	5	5	5	3	3	5	5	3
	Section and Scantlings	2 off 36x29x34	2 off 36x29x34	2 off 36x31x34	2 off 36x31x34	1 off 36x31x34	1 off 36x31x34	Same as No 1	Same as No 1	Same as No 3
* FORE AND AFTERS.	Number	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Section and Scantlings	✓	✓	✓	✓	✓	✓	✓	✓	✓
HATCHES	Thickness	3	3	3	3	3	3	3	3	3
Remarks.....										

* 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
 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.



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

Received by me 12-2-18
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