

# Lloyd's Register of British & Foreign Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

 No 15288  
 19552

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

Greenock

Date of Survey

White Building

Name of Surveyor

J. Strengh

Ship's Name. <b>S. S. DAIVA</b>	Port of Registry and Nationality. <b>Helsinki</b>	Official Number. <b>12415</b>	Gross Tonnage. <b>1274</b>	Date of Build. <b>1908</b>	Particulars of Classification. <b>100-A-1 STEEL WELL DECK (CONTINGENT)</b>
Messrs CAMPBELLTOWN S.B.C. 1983	<b>Finland</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK Tonnage.
	229.4	35.0	16.05	1026.97
Length on LOADLINE	229.3	Frame Depth 7 Rule 4 1/2	Ceiling FITTED Sheer + 72	Peak Tanks INCLUDED IN ABOVE
CORRECTED DIMENSIONS.	229.3	34.59	16.77	1026.97

Moulded Depth as measured.....18-3 1/2"

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.....	229.3
Length in Table .....	219.5
Difference .....	9.8
Correction for 10ft., Table A. ....	1.1
× Difference divided by 10 .....	10.78
If 10ths length covered divide by 2 .....	5.39
Table C. (if required.)	9.8
	55
	1078
	1078

PN 15595

## CORRECTION FOR IRON DECK.

 Proportion covered, if less than 7/10ths length covered ..... over 7/10th covered  
 Thickness of usual wood deck, less stringer..... 3 1/2

22' Hood sheathing in way of accommodation amidships

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	33-11
Round of Beam.....	8 1/2
Normal round .....	8 1/2
Difference .....	✓ ÷ 2 =
Proportion of Deck uncovered (Para. 19) .....	✓

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

Freeboard, Table A ..... 3-3 3/4 ✓

Correction for Sheer ..... - 1-2 1/4 ✓

Correction for Length ..... - 1-2 1/4 ✓

Allowance for Deck Erections ..... 2-1 1/2 ✓

Correction for Round of Beam..... ✓

Correction for fall in Sheer (if any) ..... ✓

Correction for Iron Deck (if required) see above - 1 ✓

Additions for non-compliance with provisions of Para. 11 (d) and (e) ✓

Other Corrections (if any)..... ✓

Winter Freeboard ..... 2-0 1/2 ✓

Summer Freeboard ..... 1-10 ✓

Indian Summer Freeboard ..... 1-7 1/2 ✓

N. A. Winter Freeboard ..... 2-4 ✓

Correction necessary because clearside amidships, measured in accordance with the Statute, is not taken at the intersection of the wood on deck with side. + 1 1/4

Winter Freeboard from deck line ..... 2-1 3/4 ✓

Summer " " " ..... 1-11 1/4 ✓

Indian Summer " " " ..... 1-8 3/4 ✓

N. A. Winter, " " " ..... 2-5 1/4 ✓

1-11 ✓

4 ✓

2 1/2 ✓

2 1/2 ✓

6 ✓

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.

P.T.O.

RECEIVED 18

 Co-efficient of fineness ..... 77  
 Any modification necessary [Para. 4 (a) to (e) \*] - .02 for C. 073.  
 Co-efficient as corrected ..... 75

 Sheer Stem... 79  
 at Sternpost... 39 } 118 ÷ 2 = 59 ... Mean

 Sheer at 1/2 of the length from Stem 43 1/2 } 65 ÷ 2 = 32 1/2 ... Mean  
 Sternpost 21 1/2

 Gradual mean Sheer ..... 19 7/8  
 Standard mean Sheer (Table, Para. 18) 12 7/8 } 32.93  
 Difference ..... 26.07 ÷ 4 = - 6 1/2

 § If limited as Para. 18 (f) ..... 19.75 ÷ 4 = 4.94  
 PAR. 14 = - 2 1/2

 Rise in Sheer from amidships { At front of bridge house..... ✓  
 [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..... 11 3/4

Correction for Length, if required (Para. 12, 13, and 14) ..... 1-0 1/4

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

Difference ..... 2-4 1/2

Percentage as below ..... 14 1/2

 Length of ship + 1/2 sheer + 6 1/2 Erections = 8 1/2 = - 14 1/2 ✓  
 14 + 1/2 = 22 + 1/2 = - 10 1/2 ✓

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) ✓

Allowance for Deck Erections 14 + 3/4 = 14 3/4 ✓

	Length.	Length allowed.	Height.
Forecastle.....	28.25	28.25	7-3
Bridge House .....	57.5	57.5	7-0
† Raised Qr. Dk.....	79.25	90.9	2-5 1/4
Total .....	165.00	136.65	595.9
Length of Ship .....	229.3	229.3	
Corresponding percentage (Para. 11, 12, 13, or 14) {			

FOREBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (or) Steel Deck:—

Fresh Water Line above centre of Disc ...

Indian Summer Line " " " ...

Winter Line below " " " ...

Winter North Atlantic Line " " " ...

10. 1. 08

W451-0137

See correspondence in envelope re opening B. food

 Lloyd's Register  
 Foundation



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? *To main and raised quarter decks*  
 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 *closed*  
 Is the Poop or 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 *closed*  
 What is the thickness of the Bridge Front plating? *6/20* and Coaming plate? *7/20*  
 Give scantlings and spacing of the Stiffeners *B.A. 6 1/2 x 3 x 10/20 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? *Steel hinged doors fitted as per approved plan*  
 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? *Covered by a bridge*  
 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. 19-0 x 16-0 x 31		No. 2. 30-8 x 16-0 x 31		No. 3. 23-1 x 16-0 x 31		No. 4. 23-1 x 16-0 x 31		
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.
COAMING.									
Height above top of Deck	31	30	31	30	31	24	31	24	
Thickness { Sides	9/20	9/20	9/20	9/20	9/20	9/20	9/20	9/20	
Ends	8/20	8/20	8/20	8/20	8/20	8/20	8/20	8/20	
SHIFTING DECK OR WEB PLATES.									
Number	One	One	Three	Three	Two	Two	Two	Two	
Section and Scantlings	1 1/2 x 3/4	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	
Material	Steel								
FORE AND AFTERS.									
Number	Three	Three	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	
Section and Scantlings	7 x 6	7 x 6	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	
Material	Pilot Piece								
HATCHES Thickness	2 1/2	2 1/2	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	
Remarks	W.P.	W.P.	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	

\* 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 Rule

What is the thickness of the Bridge Sheerstrake? *9/20* Strake between Main and Bridge Sheerstrakes? *9/20*

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, ~~as~~ satisfactory. *face of gangway*

Length of Bulwarks in wall *64.3*  
 Area of Freeing Ports required by Para. 11 (a) each side of vessel = *12.93* Sq. ft.  
 Ft. Tenths. Ft. Tenths. No. }  
*2.5 x 1.66 x 4* } Freeing Ports = *16.6* Sq. ft.  
 (each side of vessel)  
 Total deficiency or excess = *3.67* Sq. ft. *each side*

Approved midship section & longitudinal plan, and plan of doors at after end of bridge enclosed for reference

See forenoon preliminary freeboard report No 15094

Request form attached *6.1.08.*

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

Fee £

Received by me



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