

# 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 Glasgow  
Date of Survey While building  
Name of Surveyor A. J. Paterson

Ship's Name. <b>T. S. S. "CORFU"</b>	Port of Registry and Nationality. <b>LONDON</b> <b>British</b>	Official Number.	Gross Tonnage. <b>approx 14500.</b>	Date of Build. <b>1931</b>	Particulars of Classification. <b>+100 A1 with fld. (contemp.)</b>
R. Stephens & Sons Ltd. No 534 Number in Register Book <b>90018</b>					

Registered dimensions from S's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<b>522.5</b>	<b>71.4</b>	<b>33.15</b>	<b>8683.92</b>
Length on LOADLINE.	<b>518.5</b>	Frame Depth / 2 Rule <b>8x</b>	Ceiling <b>+20</b> Peak <b>+55</b> Tanks <b>Incl'd</b>	
CORRECTED DIMENSIONS.	<b>518.5</b>	<b>70.43</b>	<b>42.87</b>	<b>11324.38</b>

Moulded Depth as measured..... **46'-0"** *approx*  
 Addition for Keel below base line for draught record..... **1'-3/4"** inches.

46.0  
4  
46.4  
4.2  
42.172

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<b>518.5</b>
Length in Table .....	<b>552.0</b>
Difference .....	<b>33.5</b>
Correction for 10ft., Table A. ....	<b>1.4</b>
× Difference divided by 10 .....	<b>5.69</b> (if required.)
If 1/8ths length covered divide by 2	<b>-5 3/4</b>

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/8ths length covered	<b>.626</b>
Thickness of usual wood deck, less stringer	<b>3/16"</b>
Effective	<b>(3.5 - 3.12) = .38</b>

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<b>69.6</b>
Round of Beam .....	<b>4</b>
Normal round.....	<b>17.4</b>
Difference .....	<b>13.4</b>
Proportion of Deck uncovered (Para. 19)	<b>2.52</b>

Co-efficient of fineness..... **.419**  
 Any modification necessary [Para. 4 (a) to (e)]\* **hipped tank the body only.**  
 Co-efficient as corrected ..... **.42**

Sheer (Stem..... **102**)  
 at (Sternpost ... **45**) **147 ÷ 2 = 73.5** Mean

Sheer at 1/2 of the length from Stem **56.5**  
 Sternpost **33.5** **90.0 ÷ 2 = 45.0** Mean

Gradual mean Sheer ..... **Allowed** **74.66 ÷ 55 = 81.82**

Standard mean Sheer [Table, Para. 18] ..... **61.85** Correction  
 Difference..... **15.81 ÷ 4 = 3.95**  
 § If limited as Para. 18 (f) ..... **-4"**

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

Fall in Sheer [Para. 18 (d)] ÷ 2 =  
 Length uncovered.....

ALLOWANCE FOR DECK ERECTIONS:-

Freeboard, Table C.....	<b>(13 - 2 - 3 - 1)</b>	<b>10 - 1</b>
Correction for Length, if required (Para. 13, and 14) .....		<b>-2 3/4</b>
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14) .....		<b>9 - 10 1/4</b>
Difference .....		<b>12 - 4 1/4</b>
Percentage as below.....		<b>2.6</b>
		<b>30%</b>
		<b>9.0</b>
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) .....		<b>-9"</b>

Length.	Length allowed.	Height.
Forecastle..... <b>80.75</b>	<b>46.64</b>	<b>8.5</b>
Bridge House..... <b>246.0 (250mm)</b>	<b>248.15</b>	<b>8.5</b>
† Raised Qr. Dk.....		
Peop.....		
Total..... <b>330.75</b>	<b>324.79</b>	<b>.626</b>
Length of Ship..... <b>518.5</b>	<b>518.5</b>	
Corresponding percentage (Para. 11, 13, or 14)	<b>Limited to 30%</b>	

Freeboard, Table A .....	<b>13 - 2</b>
Correction for Sheer .....	<b>-4</b>
Correction for Length .....	<b>12 - 10</b>
Allowance for Deck Erections .....	<b>-5 3/4</b>
Correction for Round of Beam.....	<b>12 - 4 1/4</b>
	<b>-9</b>
Correction for fall in Sheer (if any).....	<b>11 - 4 1/4</b>
Correction for Steel Deck (if required).....	<b>+ 2 1/2</b>
For 1/2 Linoleum in way of marking in lieu of 3/16" sheathing Para. 11 (d) and (e) .....	<b>11 - 9 1/2</b>
Other Corrections (if any) For Scantlings and to correspond to the approved moulded draught of 30.0 for all seasons To correspond to the approved B of T sub-division moulded draught of 29.6 .....	<b>- 2 3/4</b>
Winter Freeboard .....	<b>11 - 6 3/4</b>
Summer Freeboard .....	<b>+ 4.6</b>
Indian Summer Freeboard .....	<b>16 - 0 3/4</b>
N. A. Winter Freeboard .....	<b>+ 6</b>
	<b>16 - 6 3/4</b>

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or steel deck with side.  
 $4 - 4 \left( \frac{32.05}{84.8} \right) = 4 - 3.61 = .39$

Winter Freeboard from deck line .....

Summer " " " " .....	
Indian Summer " " " " .....	
N. A. Winter " " " " .....	
(Steel) Deck :- (C. D.)	

002853-002857-0058

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood

Fresh Water Line	above centre of Disc
Indian Summer Line	" " "
Winter Line	below " " "
Winter North Atlantic Line	" " "

24 JUL 1931



Do all the Frames extend to the top height in the Poop?  Raised Quarter Deck?  Bridge House? *Yes* Forecastle? *Yes*

To what height do the Reverse Frames extend?

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end?

Give particulars of the means for closing the openings in Bulkhead

Is the Poop or Raised Quarter Deck connected with the Bridge House?  Has the Bridge House an efficient Bulkhead at the fore end? *Yes*

Give particulars of the means for closing the openings in Bulkhead *Hinged w.t. doors.*

What is the thickness of the Bridge Front plating? *.40'* and Coaming plate? *.44'*

Give scantlings and spacing of the Stiffeners *10 x 3 1/2 x .48 B.A. @ 24-30 spacing.*

Are bracket plates fitted at each end of the Stiffeners? *lugged* 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? *Hinged tank doors.*

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 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?

Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of the Rules? (Give particulars below: *Yes.*)

		No. 1.	No. 2.	No. 3.	No. 4.	No. 5.	No. 6.
Position.		Forec.	C Sk	B Sk	C Sk	C Sk	B Sk
Size.		13.5 x 14	29.5 x 14	18 x 14	21 x 14	18 x 14	18 x 14
COAMING.	Height above top of DECK	2-9"	2-9"	2-9"	2-9"	1-9"	2-9"
	Thickness						
LIFTING BEAMS OR WEB PLATES.	Sides	.50	.50	.50	.50	.44	.50
	Ends	.44	.44	.44	.44	.44	.44
FORE AND AFTERS.	Number					3	
	Section and Scantlings					7" 12 1/2 x 33 plate	
	Material					3 x 3 x 42 LS	
HATCHES	Number						
	Section and Scantlings						
	Material						
Thickness		5/16 steel covers with 3-12 x 3/4 x 250	5/16 steel covers in two sections 3-12 x 3/4 x 250	5/16 steel covers with 3-12 x 5/8 x 350	25 steel covers with 12-7 x 3 x 3 x 42	3" W.P.	5/16 steel covers with 3-12 x 5/8 x 350
Remarks		Stiffs.	Stiffs.	Stiffs.	Stiffs.		Stiffeners

\* 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 keel 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 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.)*

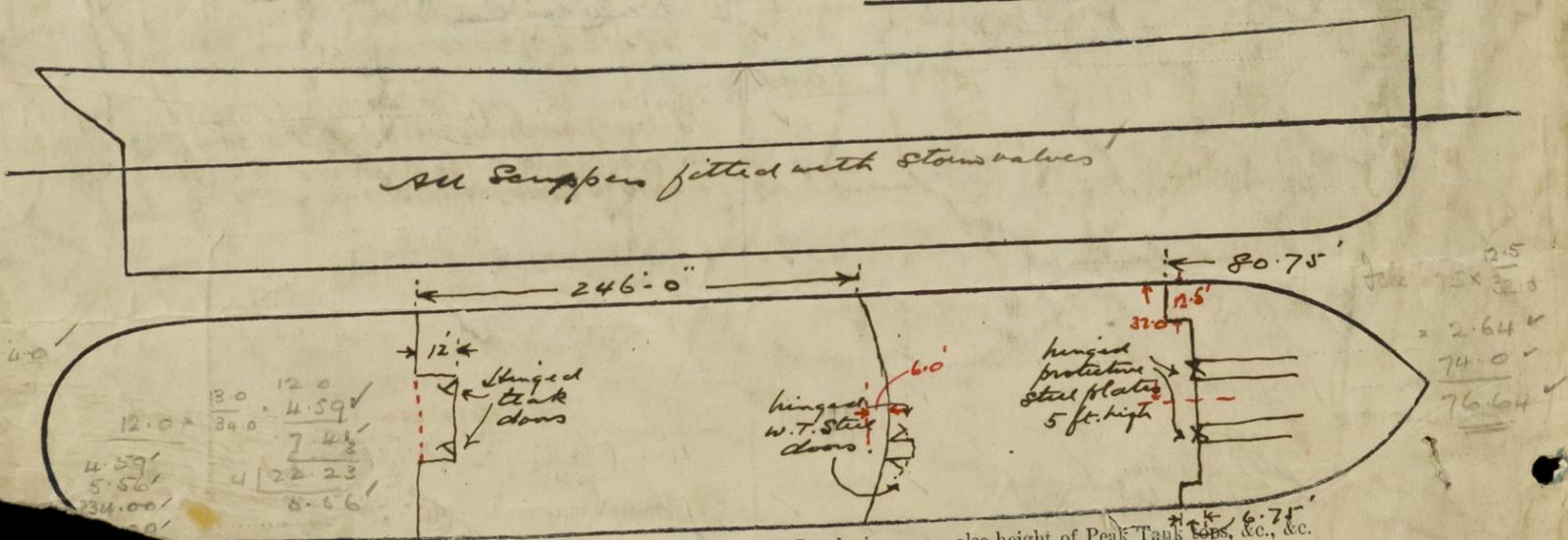
Length of Bulwarks in well *45.75' fwd (open rails aft)* = *11.075* Sq. ft.

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *11.4* Sq. ft.

Ft. Tenths. Ft. Tenths. No. } Freeing Ports (each side of vessel) = *11.4* Sq. ft.

*2.7 x 1.41 x 3*

Total deficiency or excess = *.325* Sq. ft.



Construction of the Vessel *Approved Midship Section & Profile plans hereunto*  
 signed by *B. S. T.* Moulded draft approved by *B. S. T. 29-6*  
 per *Alexander Stephens & Sons, Ltd.* No. *534*



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