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Sld 10/5/32

SUNDERLAND RPT. No. 27438

002816-002824-0258

Index No. SAT. MAR. 1919

# 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 27th Feb. 1919  
Date of Survey Sunderland  
Name of Surveyor A. Pickwick

**RAISED QUARTER DECK WITH POOP BRIDGE & FORECASTLE**

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<b>S.S. "WHITWOOD"</b> TYPE C.S. EX. WAR WANDLE Number in Register Book <b>CROWN'S 165</b>	<b>LONDON</b> British	<b>143104</b>	<b>1926</b>	<b>1918-1919</b>	<b>+ 100 A.1. Contemplated</b>

Registered Dimensions from Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<b>268.00</b>	<b>38.10</b>	<b>17.60</b>	<b>1504.47</b>
Length on LOADLINE.	<b>267.75</b>	Frame Depth 8 Rule <b>5</b> 3 <b>3 x 1/2 = .5</b> No SPARRING <b>+ .33</b>	Ceiling <b>+ .20</b> AT BILGES ONLY Sheer <b>+ .78</b>	Peak } INCL Tanks }
CORRECTED DIMENSIONS.	<b>267.75</b>	<b>37.93</b>	<b>18.58</b>	<b>1504.47</b>

Moulded Depth as measured..... **19' 9"**  
Addition for Keel below base line for draught record..... **2** inches.

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

Co-efficient of fineness..... **.798**  
Any modification necessary [Para. 4 (a) to (e)]\* **-.02 Cellular Double Bottom**  
Co-efficient as corrected..... **.78.778**

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<b>267.75</b>
Length in Table .....	<b>237.00</b>
Difference .....	<b>30.75</b>
Correction for 10ft., Table A. ....	<b>1.15</b> Table C.
x Difference divided by 10 .....	<b>3.54</b> (if required.)
If 1/10ths length covered divide by 2	<b>1.77</b> <b>+ 1 3/4</b>

Sheer { Stem..... **84** } **126** ÷ 2 = **63** ...Mean  
at { Sternpost ... **42** } **35.75** ÷ **.55** = **65**

Sheer at 1/4 of the length from { Stem **46 1/2** } **71.5** ÷ 2 = **35.75** ...Mean  
{ Sternpost **25** }

Gradual mean Sheer ..... **64.00**

Standard mean Sheer [Table, Para. 18] ..... **36.77** Correction  
Difference..... **27.23** ÷ 4 = **6.81**

§ If limited as Para. 18 (f) ..... **- 6 3/4**

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered ..... **70.04%**  
Thickness of usual wood deck, less stringer ..... **3 1/2**  
**- 3 1/2**

Rise in Sheer { At front of bridge house..... **3 5/16**  
from amidships }  
[Para. 18 (e)] { At after end of forecastle ..... **49/16**

Fall in Sheer }  
Para. 18 (d) } ÷ 2 = ✓

Length uncovered ..... Correction

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... **37' 0 1/2"**  
Round of Beam ..... **9 1/2"**  
Normal round..... **9 1/4"**  
Difference ..... ÷ 2 = .....  
Proportion of Deck uncovered (Para. 19) ..... **29.96%**

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

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C.....	<b>1.4</b>
Correction for Length, if required (Para. 12, 13, and 14) .....	
Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) }	<b>3.3 1/2</b>
Difference .....	<b>1.11 1/2</b>
Percentage as below.....	<b>49.85%</b>
	<b>11.71</b>

Freeboard, Table A .....	<b>3</b>
Correction for Sheer .....	<b>3</b>
Correction for Length .....	<b>3</b>
Allowance for Deck Erections .....	
Correction for Round of Beam.....	
Correction for fall in Sheer (if any).....	
Correction for Iron Deck (if required) .....	
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<b>2</b>
Other Corrections (if any) .....	

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }  
Allowance for Deck Erections ..... **- 11 3/4**

Winter Freeboard .....	<b>2</b>
Summer Freeboard .....	<b>- 3</b>
Indian Summer Freeboard .....	<b>- 3</b>
N. A. Winter Freeboard .....	<b>- 3</b>

	Length.	Length allowed.	Height.
Forecastle.....	<b>30.33</b>	<b>30.33</b>	<b>7.00</b>
Bridge House .....	<b>50.91</b>	<b>50.91</b>	<b>7.00</b>
† Raised Qr. Dk.....	<b>82.25</b>	<b>72.92</b>	<b>3.75</b>
Poop.....	<b>24.08</b>	<b>24.08</b>	<b>7.00</b>
Total .....	<b>187.57</b>	<b>178.24</b>	
Length of Ship .....	<b>267.75</b> = <b>70.05</b>	<b>267.75</b> = <b>66.57</b>	
Corresponding percentage { (Para. 11, 12, 13, or 14) }	<b>49.85%</b>		

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. **+**

Winter Freeboard from deck line .....	<b>2</b>
Summer " " " " .....	<b>2</b>
Indian Summer " " " " .....	
N. A. Winter " " " " .....	

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	" " "

Winter Freeboard from deck line ..... **2**

† State dimensions of freeing port area on basis of ...  
The Surveyor should state whether ...  
line of keel or to the water ...  
survey, and also the ...

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? *B.A. Framing*  
 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 *No Openings*  
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *No* 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? *.34* and Coaming plate? *.38*  
 Give scantlings and spacing of the Stiffeners *7 x 3 x .52 B.A's Spaced 30" apart*  
 Are bracket plates fitted at each end of the Stiffeners? *Yes except in way of Hatch at bottom* 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? *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 Section 28 of the Rules for 1904-5? Give particulars below: *Yes*

Position and Size.		No 1 29.43 x 23.6 MEAN		No 2 32.5 x 25.0		No 3 29.43 x 24.3		No 4 24.5 x 22.3 MEAN		Ship.	Rule.	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.			
COAMING	Height above top of DECK	48	24	48	24	42	24	42	24			
	Thickness	Sides	50	44	50	44	44	44	44	44		
		Ends	44	44	44	44	44	44	44	44		
SHIFTING BEAMS OR WEB PLATES	Number	4		5		4		4				
	Section and Scantlings	Plate 28 1/2 x 33 x .40 Angles 4 x 3 x .44		Plate 28 1/2 x 33 x .40 Angles 5 x 3 x .44		Plate 30 1/2 x 35 x .40 Angles 5 x 3 x .44		Plate 28 1/2 x 33 x .40 Angles 4 x 3 x .44				
	Material	Steel B.A. 6 1/2 x 3 x .50		B.A. 6 1/2 x 3 x .50		B.A. 6 1/2 x 3 x .50		B.A. 6 1/2 x 3 x .50				
* FORE AND AFTERS.	Number					NONE.						
	Section and Scantlings											
	Material											
HATCHES	Thickness	3"		3"		3"		3"				
	Remarks	Whitewood										

\* 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? *and* Strake between Main and Bridge Sheerstrakes? *.40 One Strake*

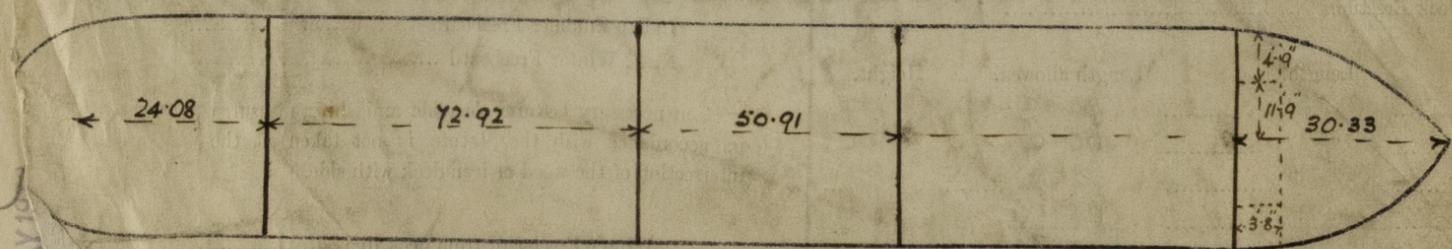
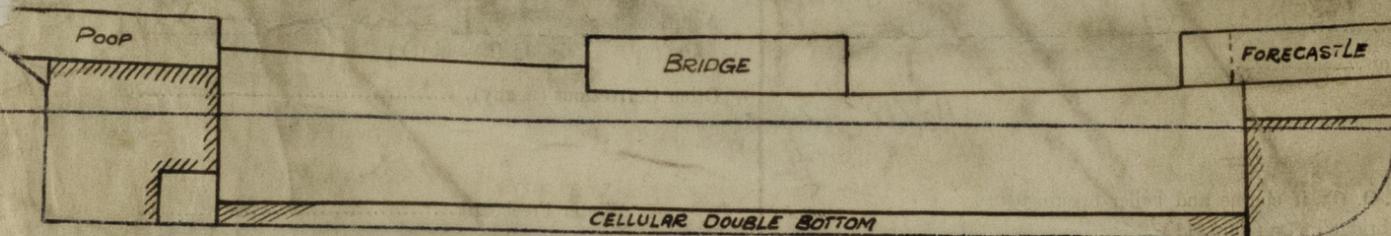
Delete the words *The Crew are, are not, berthed in the bridge house.*  
 that do not apply *The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.*

Length of Bulwarks in well *80.2*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *16.64* Sq. ft.

Ft. Tenth.	Ft. Tenth.	No.	} Freeing Ports (each side of vessel) =	<i>20.52</i> Sq. ft.
<i>3.0</i>	<i>1.71</i>	<i>4</i>		

Total deficiency or excess = *3.98* 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.

features in the construction of the Vessel *This vessel has been built in accordance with the Rules, and is similar to the same builder's "LESTO" Sld Rpt*

Number of Visits *"SUNNIYA" Sld Rpt No 24042. Copies of approved plans are in the London Office*

Surveyors should note that the scale of displacement *tons per inch is the same as for the abovesaid vessels.*

*me 26.4.19 RLB*

