

*Copy written*

12022  
No 1894

# LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

## SURVEYS FOR FREEBOARD.

TUES. 13 OCT 1896

ARTICULARS IN RESPECT OF STEAM SHIPS WITH TOP GALLANT FORECASTLES, HAVING LONG POOPS OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR SHORT POOP AND BRIDGE HOUSE DISCONNECTED, OR BRIDGE HOUSE

Port of Survey *Middlesbrough*  
 Date of Survey *12<sup>th</sup> October 1896*  
 Name of Surveyor *Allison B. Wilson*

*Master R. Crager & Sons No 126*

Ship's Name.	Gross Tonnage.	Official Number.	Type of Ship.	Date of Build.	Particulars of Classification.
<i>Sunhild S.S.</i>	-	-	<i>As above</i>	<i>1896</i>	<i>100 A1. Continuous</i>

Registered Length *255.0* Breadth *37.0* Depth *15.4*  
 Length on Loadline ..... *255.0*  
 Breadth ..... *37.0*

Moulded Depth as measured..... *17.9*

Depth..... *15.4*

Tons und. Dk. *1195.9*  
 $\times 100$

$\frac{1195.9 \times 100}{255 \times 37 \times 15.4} = .823$

Efficient of fineness ..... *.82*  
 Any modification necessary *Cellular Double Bottom*  
 [Para. 4 (a) to (e)]  
 Efficient as corrected ..... *.80*

CORRECTION FOR LENGTH :-

Length of Ship on load line..... *255*  
 Length in Table ..... *213*  
 Difference\* ..... *42*  
 Correction for 10ft., Table A. .... *1.1* Table C.  
 $\times$  Difference\* divided by 10 ..... *4.62* (if required.)  
 If  $\frac{1}{10}$ ths length covered divide by 2. } *2.31 Day + 2 1/4*

Sheer { Stem... *60* } *93* }  $\div 2 = 46 1/2$  ... Mean  
 at { Sternpost... *33* }  
 Sheer at  $\frac{1}{8}$  of the length from { Stem *36 1/2*  
 Sternpost *19*

Standard Sheer (Table, Para. 16)..... *35 1/2* Correction  
 Difference..... *11*  $\div 4 = 2 3/4$

CORRECTION FOR IRON DECK :-

Proportion covered, if less than  $\frac{1}{10}$ ths length covered .....  
 Thickness of usual wood deck, less stringer..... *3 1/2*

Rise in Sheer { At front of bridge house..... *2*  
 from amidships { At after end of forecastle ..... *33*  
 Para. 16 (e) }

CORRECTION FOR ROUND OF BEAM :-

Round of Beam..... *9*  
 Normal round ..... *8 3/4*  
 Difference ..... *1/4*  $\div 2 = 1/8$

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C..... *1.6 1/2*  
 Correction for Length, if required (Para. 12 and 13) .....  
 Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12 and 13) } *3.0 3/4*  
 Difference ..... *1.6 1/4*  
 Percentage as below..... *68.52%*  
 Correction of R. Q. Dk. less than 4ft. high, or if engine and boiler openings not covered by bridge house } *Day - 1/2*  
 Allowance for Deck Erections ..... *12*

Proportion of Deck uncovered (Para. 17) ..... *Cor'd*

Freeboard, Table A ..... *3.3 1/2*  
 Correction for Sheer ..... *2 3/4*  
 Correction for Length ..... *2 1/4*  
 Allowance for Deck Erections ..... *1.0*  
 Correction for Round of Beam.....  
 Correction for Iron Deck (if required) ..... *3 1/2*  
 Additions for non-compliance with provisions of Para. 11 (e) and (f) } *18 1/2 + 11 = 29 1/2 + 4 1/4*  
 Other corrections (if any).....

	Length.	Length allowed.	Height.
Forecastle.....	<i>28.3</i>	<i>28.3</i>	<i>7.0</i>
Bridge House .....	<i>68.0</i>	<i>68.0</i>	<i>7.0</i>
Raised Qr. Dk.....	<i>94.0</i>	<i>94.0</i>	<i>3.6</i>
Total .....	<i>190.3</i>	<i>190.3</i>	<i>74.6</i>

Length of Ship ..... *255*  
 Corresponding percentage } *68.52%*  
 Para. 11, 12, or 13.)

Winter Freeboard ..... *2.3 3/4*  
 Summer Freeboard ..... *2.1 3/4*  
 N. A. Winter Freeboard ..... *2.6 1/4* *8 1/4*  
 Correction necessary because clear side amidships measured in accordance with the Statutes is not taken at the intersection of the deck with side. } *1 1/2*  
 Winter Freeboard from deck line } *2.5 1/4*  
 Summer " " " " ..... *2.3 1/4*  
 N. A. Winter,, " " " " ..... *2.5 1/4* *9 3/4*

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line :-

Fresh Water Line	above centre of Disc	.....	<i>2 3/2</i>	<i>2.3</i>
Indian Summer Line	" " "	.....	<i>2</i>	<i>2</i>
Winter Line	below " "	.....	<i>2</i>	<i>2</i>
Winter North Atlantic Line	" " "	.....	<i>6 1/2</i>	<i>6 1/2</i>

ERASE WORDS WHICH DO NOT APPLY.

The Crew ~~are not~~, are not, berthed in the bridge house.

The arrangements to enable them to get backwards and forwards from their quarters ~~are not~~, are not, satisfactory.

Length of Bulwarks in well x 2 ÷ 64.9 = Sq. Ft. 13.5  
Freeing Ports.

Ft. Tenth. Ft. Tenth. No. }  
2.5 x 1.5 x 3 } = Sq. Ft. 11.25

Total deficiency = Sq. Ft. 2.25 1.75

Total excess =

CHARACTER OF DECK ERECTIONS.

Do all the Frames extend to the top height in the Poop? ✓

Do. do. do. do. Raised Quarter Deck? *yes*

Do. do. do. do. Bridge House? *yes*

Do. do. do. do. Forecastle? *yes*

To what height do the Reverse Frames extend? *Upper and lower decks alt.*

Has the ~~Poop~~ Raised Quarter Deck an efficient Iron Bulkhead at its fore end? *Yes*

State whether the Bridge House efficiently covers the Engine and Boiler Openings. *Yes*

Has the Bridge House an efficient Iron Bulkhead at the fore end? *Yes*

Are efficient Doors fitted to the Passage Ways? *No doors and no passage ways.*

Describe how and to what extent it is Stiffened, by angle Irons, Bulb Plates, or otherwise. *1/2" x 3" Iron 20" apart.*

Has the Bridge House an efficient Iron Bulkhead at the after end? *yes*

Are efficient Doors fitted to the Passage Ways? *No doors and no passage ways.*

Are efficient Iron Doors fitted to the Passages of the Bridge House, or is it entered from above? *Entered from above.*

Has the Forecastle an efficient Iron or Wood Bulkhead at its after end? *yes*

Are the Hatchways efficiently constructed? *yes* State the height of the Coamings *3"*

Are the Hatches solid? *Yes* What is their thickness? *2 1/2"*

Are the exposed parts of the Engine and Boiler Casings efficiently constructed? *Yes*

State any special features in the construction of the Vessel ✓

Owners

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