

JUL. 27. 1915

Lloyd's Register of British & Foreign Shipping.
SURVEYS FOR FREEBOARD.—STEAM SHIPS.

24357

~~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 *Kull*
Date of Survey *26th July 1915*
Name of Surveyor *J. B. Clark*

Ship's Name. SUN IV.		Port of Registry and Nationality. London. British		Official Number. 139075	Gross Tonnage. 200 189.35	Date of Build. 1915.	Particulars of Classification. 100A.1 For towing purposes. (Contemplated).
Number in Register Book 2210.		LENGTH. 105.0		BREADTH. 25.55	DEPTH. 12.4	UNDER DECK TONNAGE. 189.35.	Moulded Depth as measured..... 13-0 Wood Deck less stringer -2 3/4 Moulded depth house unfitable 12-9 1/4 CORRECTION FOR LENGTH. Length of Ship on Loadline..... 104.8 Length in Table 153.25
Registered dimensions from Ship's Register.	Length on LOADLINE.	Frame Depth 5' Rule " 3' 2'	Ceiling 40' 20" Sheer + 12'	Peak Tanks ✓			
CORRECTED DIMENSIONS.	104.8	25.22	12.72	189.35.			

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

Co-efficient of fineness..... *.56*

Any modification necessary }
[Para. 4 (a) to (e)]* }

Co-efficient as corrected *.68 lowest in table*

4 Sheer at $\left\{ \begin{array}{l} \text{Stem} \dots\dots\dots 65 \\ \text{Sternpost} \dots\dots\dots 5 \end{array} \right\} 70 \div 2 = 35 \dots \text{Mean}$
 Sheer at $\frac{1}{8}$ of the length from $\left\{ \begin{array}{l} \text{Stem} \dots\dots\dots 29 \\ \text{Sternpost} \dots\dots\dots 1\frac{1}{2} \end{array} \right\} 27.5 \div 2 = 13.75 \dots \text{Mean}$
 Gradual mean Sheer $\dots\dots\dots 25.0$
 Standard mean Sheer [Table, Para. 18] $\dots\dots\dots 20.48$ Correction
 Difference $\dots\dots\dots 4.52 \div 4 = 1.13$

§ If limited as Para. 18 (f).....
Shoes measured in relation to w.t. (2 in by stem 5 ft. -1/1)

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

¶ Fall in Sheer } *Lowest Point of Sheer 25' abaft amidships*
 Para. 18 (d) } $3\frac{1}{2} \div 2 =$
 Length uncovered $+1\frac{3}{4}$ Correction ✓

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C.....	
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) }	
Difference	
Percentage as below.....	

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

	Length.	Length allowed.	Height.
Forecastle.....
Bridge House
† Raised Qr. Dk.....
Poop.....
Total
Length of Ship
Corresponding percentage }			
(Para. 11, 12, 13, or 14) }			

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck :- 1' 6"

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

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

Vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the B.Q.D. is to be taken from the level of the top of the amidship beam.

In decked vessels the total standard mean sheer means the sheer measured at the stem and stern-post. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and stern-post.

CORRECTION FOR IRON DECK.
 Proportion covered, if less than $\frac{7}{10}$ ths length covered
 Thickness of usual wood deck, less stringer
allowed in reduced molded depth.

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	25-6	NOTE — round of beam should be rep- ed on the breadth of ve- at the gunwale.
Round of Beam	9	
Normal round.....	$6\frac{3}{8}$	
Difference	$2\frac{5}{8} \div 2 =$	
Proportion of Deck uncovered (Para. 19)		-14.

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

Freeboard, Table A	1-10 $\frac{1}{4}$ ✓
Correction for Sheer	-1 ✓
Correction for Length	1-9 $\frac{1}{4}$ ✓
	-4 $\frac{1}{4}$ ✓
	1-5 ✓
Allowance for Deck Erections✓.....	
Correction for Round of Beam.....	-1 $\frac{1}{4}$ ✓
	1-3 $\frac{3}{4}$ ✓
Correction for fall in Sheer (if any).....	+13 $\frac{1}{4}$ ✓
	1-5 $\frac{1}{2}$ ✓
Correction for Iron Deck (if required)✓.....	
Additions for non-compliance with provisions of } Para. 11 (d) and (e) ‡ }✓..... {	
Other Corrections (if any)✓.....	

Winter Freeboard	1-5½	✓
Summer Freeboard	1-4½	✓
Indian Summer Freeboard		
N. A. Winter Freeboard		

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. $1\frac{1}{2}$.

Winter Freeboard from deck line	1-7 ✓
Summer " " " "	1-6 ✓
Indian Summer " " " "	✓
N. A. Winter " " " "	✓

4 (Iron) Deck :— 1' 6" ... 1' 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.

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29/7/11

[P.T.O.]

Do all the Frames extend to the top height in the Poop? ☒ Raised Quarter Deck? ☒ Bridge House? ☒ Forecastle? ☒
 To what height do the Reverse Frames extend? *B.A. Frames*
 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? ☒
 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? ☒
 How are the openings closed? ☒
 Is the Forecastle at least as high as the main or top-gallant rail? ☒ 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? ☒

If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *Yes*
 Give thickness of plating; scantlings and spacing of Stiffeners *B. Casings - 25 Stiffeners 2 1/2 x 2 1/2 x 25 spaced 30" S. Casings - 30 Stiffeners 3 x 3 x 30 spaced 42"*
 What is the height of the exposed Casings? *B. Casings 60" for 63" qt. S. Casings 34"* 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:— *Rebuilt hatch on each side of middle line as below:*

Position and Size.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.	
Item.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.	
COAMING.	Height above top of DECK	30" + 5" B.A. rim															
	Thickness {	Sides.....	30	as													
		Ends.....	30	fitted													
SHIFTING BEAMS OR WEB PLATES.	{	Number															
		Section and Scantlings	✓														
		Material															
* FORE AND AFTERS.	{	Number	✓														
		Section and Scantlings															
		Material															
HATCHES Thickness3															
Remarks.....																	

* 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.)

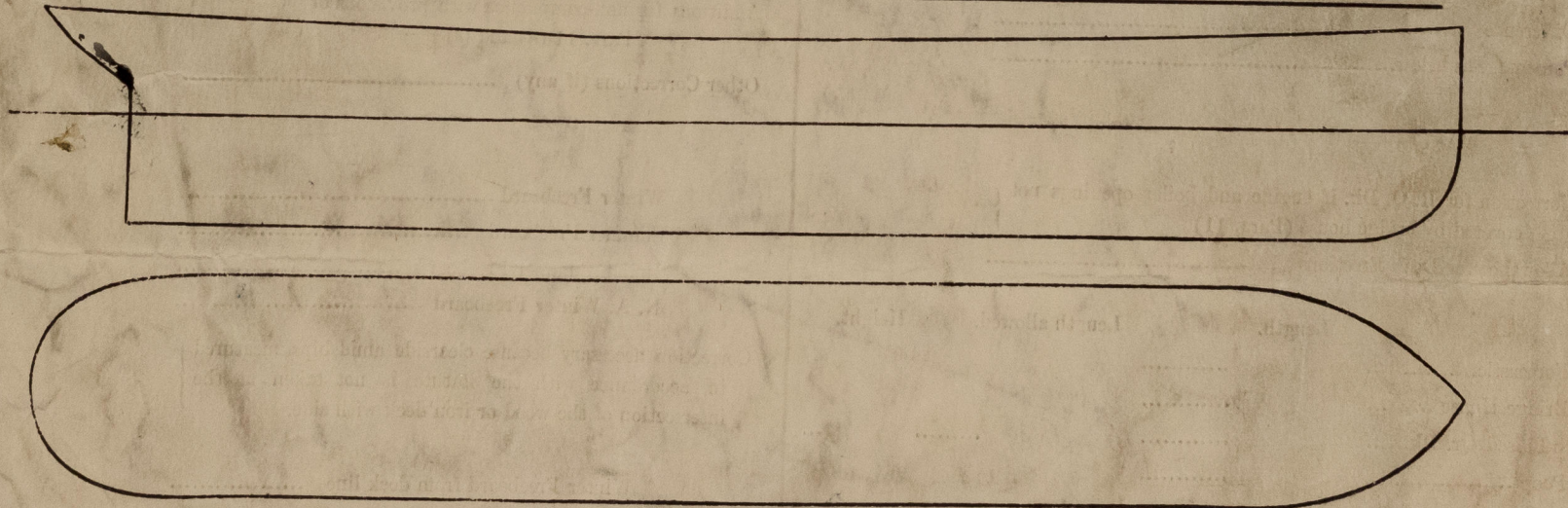
The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.
 What is the thickness of the Bridge Sheerstrake? ☒ Strake between Main and Bridge Sheerstrakes? ☒

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.
	x		x				
	x		x				

 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 *This vessel has been built in accordance with the approved plans herewith enclosed. There are no side lights in this vessel. A Habana request form is attached hereto*
 Owners *Miss Earle S. B. & Co. Ltd*
 Address *Hull*
 Fee £ *New* : Received by me