

TIMBER

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

 Index. No. 29460
 (For London Office only.)

Computation of Freeboard for Steamer, Sailing Ship, Tanker					Port of Survey _____	
having _____					Date of Survey _____	
(Type of Superstructures.)					Name of Surveyor _____	
Ship's Name	Nationality and Port of Registry	Official Number	Gross Tonnage	Date of Build		
<u>Bogö</u>						
Moulded Dimensions: Length		Breadth		Depth		Particulars of Classification _____
Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons						
Coefficient of fineness for use with Tables <u>764</u>						

Depth for Freeboard (D)	Depth correction	Round of Beam correction
Moulded depth	(a) Where D is greater than Table depth (D - Table depth) R = <u>+ 2.41</u> "	Moulded Breadth (B) _____
Stringer plate	(b) Where D is less than Table depth (if allowed) (Table depth - D) R = _____	Standard Round of Beam = $\frac{B \times 12}{50}$ = _____
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ _____	If restricted by superstructures _____	Ship's Round of Beam = _____
Depth for Freeboard (D) = <u>17.29</u>		Difference _____
		Restricted to _____
		Correction = $\frac{\text{Diff}^{\circ}}{4} \times \left(1 - \frac{S_1}{L} \right) =$ <u>- .07</u> "

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Roop enclosed					
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed					
" overhang aft					
" overhang forward					
F'cle enclosed					
" overhang					
Trunk aft					
" forward					
Tonnage opening aft					
" " forward					
Total					

Standard Height of Superstructure _____

" " R.Q.D. _____

Deduction for complete superstructure 29.97Percentage covered $\frac{S}{L} =$ _____" " $\frac{S_1}{L} =$ _____" " $\frac{E}{L} =$ 45.67%

Percentage from Table, Line A.

(corrected for absence of forecastle (if required))

Percentage from Table, ~~Line~~ Line B. Timber 66.54% ✓

(corrected for absence of forecastle (if required))

Interpolation for bridge less than 2L (if required)

Deduction = 29.97 × .6654 = - 19.94 ✓

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.		1					1		
L from A.P.		4					4		
L "		2					2		
Amidships		4					4		
L from F.P.		2					2		
L "		4					4		
F.P.		1					1		
Total									

Mean actual sheer aft = _____

Mean standard sheer aft = _____

Mean actual sheer forward = _____

Mean standard sheer forward = _____

Length of enclosed superstructure forward of amidships = _____

" " aft of " = _____

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) =$ - .35 "

If limited on account of midship superstructure. ✓

If limited to maximum allowance of 1½ ins. per 100 ft. ✓

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

 Depth to Freeboard Deck = 17.29 Ft.
 Summer freeboard = 1.18
 Moulded draught (d) = 16.11

Deduction for Tropical freeboard and addition for

Winter freeboard = $\frac{d}{4}$ inches = 4.03 = 102Addition for Winter ~~North Atlantic~~ Freeboard (ifrequired) = $\frac{d}{3} =$ 5.37 = 136 ✓

Deduction for Fresh Water.

Displacement in salt water at summer load water line

Δ = _____

Tons per inch immersion at summer load water line

T = _____

Deduction = $\frac{\Delta}{40T}$ inches= 102

TABULAR FREEBOARD corrected for Fresh Deck (if required)

Correction for coefficient

 Depth Correction
 Deduction for superstructures
 Sheer correction
 Round of Beam correction
 Correction for Thickness of Deck amidships
 Other corrections, scantlings, etc.

	+	-
2.41		
- 19.94		
- .35		
- .07		
-		
-		
2.41	20.36	- 17.95

Summer Freeboard = 14.16 ✓SUMMER FREEBOARD amidships from ~~Disc~~ Disc to top of Deck Line, ~~Wood~~ Steel, Deck: -
 Tropical Fresh Water Line above Centre of Disc ... 4.28
 Fresh Water Line " " ... 32.6
 Tropical Line " " ... 32.6
 Winter Line below above " " ... 8.8
 Winter North Atlantic Line below " " ... 18.4

 Tropical Fresh Water Freeboard ... 360 ✓
 Fresh Water " ... 258 ✓
 Tropical " ... 258 ✓
 Winter " ... 496 ✓
 Winter North Atlantic " ... 768 ✓

 2/1
 6010-1207
 1/2

Survey for Freeboard for Carriage of Timber Cargo.

S.S. "BOGÖ"

Freeboard. $\frac{27.83}{266.92} \times 100 = 10.4\% \text{ of L.}$ Height $7'-1\frac{1}{2}"$.

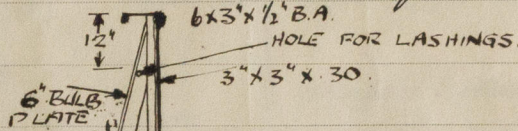
Post. 27.16 long. Height $7'-1\frac{1}{2}"$.

Double bottom Tanks. No 4 double bottom tanks about 26'-6" long (under engines) has longitudinal subdivision. No 3 (dry tank) and No 2 & 5 have holes in centre girders.

Bulkheads in fore and aft well decks

Strongly Constructed of Steel

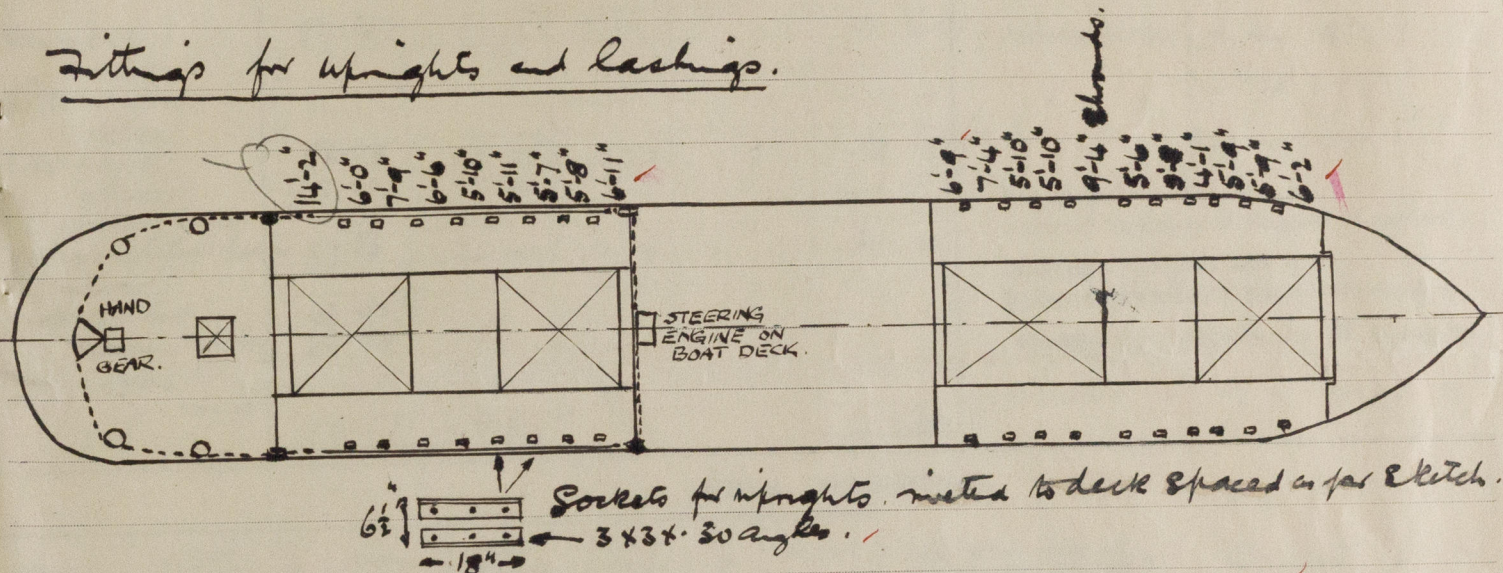
4'-3" high Stanchions spaced 5'-6".



Steering Arrangements. Steering engine placed in after end of boat deck. Hand steering gear placed in poop deck. Steering gear rods, chain & sheaves efficiently protected. Rods carried under bulwark rails as per sketch. Chain at ends of after well in way of sheaves protected by channel guides.



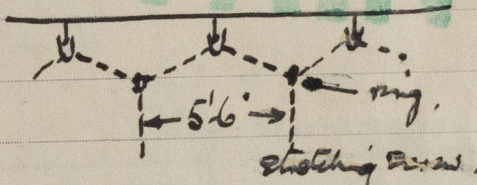
Fittings for uprights and lashings.



Two $1\frac{1}{4}"$ holes are pierced through bulwark rail above sockets for lashings; no clamps on board; no uprights on board.

No eyeplates fitted for lashings as per Rules.

Hole pierced in bulwark stanchion (spaced 5'-6") 12" below rail to take shackles for chain lashings as per sketch.



Robertson

W421-0107 2/2