

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD-STEAMERS.

 Port of Survey \_\_\_\_\_  
 Date of Survey 5-2-31.  
 Name of Surveyor \_\_\_\_\_

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
CITY OF KHARTOUM.	N. SHIELDS BRITISH.			1913.	+100 A.1.
Number of Register Book					

Moulded dimensions 430.2 x 53.83 x 33.58

Moulded displacement at a moulded draught of 85 per cent. of moulded depth NOT YET RECEIVED.

Coefficient of fineness for use with tables

## DEPTH FOR FREEBOARD.

Moulded depth	33.58
Stringer plate	.04
Sheathing in wells $T \left( \frac{L-S}{L} \right) =$	✓
Depth D =	33.62

## CORRECTION FOR LENGTH.

(a) When D is greater than $\frac{L}{15}$	$(D - \frac{L}{15}) \times R = (33.62 - 28.68) \times 3.0 = +14.82$
(b) When D is less than $\frac{L}{15}$ (if allowed).	$(\frac{L}{15} - D) \times R = \dots$
If restricted by height of superstructures	...

## SUPERSTRUCTURES.

	Mean Covered Length S.	Equivalent Enclosed Length S <sub>1</sub> .	Height.	Correction for Height.	Effective Length.	A.	S.
Poop enclosed	71.50	71.50	8'-0"	✓	71.50	57.00	53.02
" overhang						22.52	23.56
R.Q.D. enclosed						5.63	5.89
" overhang						-	-
Bridge enclosed	171.00	168.75	8'-0"	✓	168.75	11.36	11.78
" overhang aft						45.43	47.12
" overhang forward						108.00	106.04
F'cle enclosed	42.50	42.50	8'-0"	✓	42.50	278.37	282.74
" overhang							
Trunks forward							
" aft							
Tonnage opening							

TOTAL = 285.00 282.75

Length of ship (L) = 430.20 430.20

% Covered ... = 66.25% 65.72%

Corresponding %, corrected for absence of forecastle if required } A = 55.89% B = 55.89%

Allowance ... = 42.00 x .5589 = -23.48

Correction for Bridge less than 2L if required } .40 L.

## SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	57.00	53.02	53.02	1	53.02
2	22.52	23.56	23.56	4	94.24
3	5.63	5.89	5.89	2	11.78
4	-	-	-	4	-
5	11.36	11.78	11.36	2	22.72
6	45.43	47.12	45.43	4	181.72
F.P. 7	108.00	106.04	108.00	1	108.00

Mean effective sheer ... = 26.19

Standard sheer .05L + 5 = 26.51

Difference (Df) ... = 32

Allowance =  $Df \times \left( \frac{.75 - S}{L} \right) = 32 \times \left( \frac{.75 - 33.12}{430.20} \right) = +.13$ 

If limited on account of amidship superstructure ... = ✓

If limited on account of excess sheer ( $1\frac{1}{2}$  in. per 100 ft.) ... = ✓

If excess sheer forward and deficient sheer aft :-

Actual sheer aft = excess.

Actual sheer forward = defective 98.45%

Length of enclosed superstructure

Forward of amidships = .19L.

Aft of amidships = .21L.

## ROUND OF BEAM.

Standard	12.92
Ship	13.25
Difference	.33
Restricted to	
Allowance = $\frac{\text{Difference}}{4} \times \left( 1 - \frac{S}{L} \right) = \frac{.33}{4} \times \frac{3428}{430.20} = .03$	

## TABULAR FREEBOARD (corrected for flush deck if required) = 80.96

Corrected for Coefficient  $\frac{+.68}{1.86} =$ 

Correction for Length	14.82
" Superstructures	23.48
" Sheer	.13
" Round of beam	.03
" Thickness of deck	✓
" Scantlings, etc.	✓
" Statutory deck line	✓

Summer Freeboard =

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck :-

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