

Jalagamang
Rpt. C.11.
31x51-17

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Index. No. 34926
(For London Office only.)
26 MAY 1936

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

GREENOCK FREEBOARD REPORT NO. 20154.

Computation of Freeboard for Steamer, Sailing Ship, Tanker having POOP, BRIDGE & FORECASTLE					Port of Survey GREENOCK
(Type of Superstructures.)					Date of Survey WHILE BUILDING.
Ship's Name JALAYAMUNA	Nationality and Port of Registry BRITISH BOMBAY	Official Number 150003	Gross Tonnage APPROX. 4970	Date of Build Now BUILDING.	Name of Surveyor Kenneth Ingham
Moulded Dimensions: Length 399' 0", Breadth 51' 9", Depth 30' 6", Moulded displacement at moulded draught = 85 per cent. of moulded depth 11705 tons Coefficient of fineness for use with Tables .765					Particulars of Classification 100 A.1.

Depth for Freeboard (D)	Depth correction	Round of Beam correction
Moulded depth ... 30' 5"	(a) Where D is greater than Table depth (D-Table depth) R = (30.53 - 26.60) 3.93 = + 11.79"	Moulded Breadth (B) 51.75 Standard Round of Beam = $\frac{B \times 12}{50} = 12.42$ " Ship's Round of Beam = 13" Difference Excess .58"
Stringer plate ... 38 ... 03	(b) Where D is less than Table depth (if allowed) (Table depth-D) R = ✓	Restricted to Correction = $\frac{\text{Diff}}{4} \times (1 - \frac{S_1}{L}) = \frac{.58}{4} \times .4573 = -.07$ "
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ ✓	If restricted by superstructures ✓	
Depth for Freeboard (D) = 30.53		

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed ...	40.25	40.25	7' 3"	7.46	40.08
" overhang ...		+	+ 22.5"	7.49	
R.Q.D. enclosed ...					
" overhang ...					
Bridge enclosed...	144.66	144.66	8' 0"	✓	144.66
" overhang aft ...					
" overhang forward					
F'cle enclosed ...	29.36	29.36	7' 3"	7.25	28.42
" overhang ...	2.25	2.25		7.49	2.18
Trunk aft ...					
" forward ...					
Tonnage opening aft ...					
" forward					
Total ...	216.52	216.52			215.34

Standard Height of Superstructure 7.49'
" " R.Q.D. ✓
Deduction for complete superstructure 41.93"
Percentage covered $\frac{S}{L} = 54.27\%$
" " $\frac{S_1}{L} = 54.27\%$
" " $\frac{E}{L} = 53.97\%$
Percentage from Table, Line A. ✓
(corrected for absence of forecastle (if required))
Percentage from Table, Line B. 39.97%
(corrected for absence of forecastle (if required))
Interpolation for bridge less than 2L (if required)
Deduction = 41.93 × .3997 = -16.76'

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P. ...	49.90	1	49.90	54	54.00	1	54.00
1/8 L from A.P. ...	22.205	4	88.82	24	24.00	4	96.00
2/8 L " ...	5.49	2	10.98	6	6.00	2	12.00
Amidships ...	✓	4	✓	0	✓	4	✓
3/8 L from F.P. ...	10.98	2	21.96	12	12.00	2	24.00
1/2 L " ...	44.41	4	177.64	48	48.00	4	192.00
F.P. ...	99.80	1	99.80	108	108.00	1	108.00
Total ...			449.10				486.00

Mean actual sheer aft = Excess
Mean standard sheer aft
Mean actual sheer forward = Excess
Mean standard sheer forward

Length of enclosed superstructure forward of amidships = > .1 L
" " aft of " = > .1 L.

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{36.90}{18} \left(.75 - \frac{27.13}{18} \right) = -.98$ "
If limited on account of midship superstructure.
If limited to maximum allowance of 1 1/2 ins. per 100 ft.

Deduction for Tropical Freeboard.
Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = 30.53
Summer freeboard = 5.79
Moulded draught (d) = 24.74

Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 6.18" = 6 1/4"
Addition for Winter North Atlantic Freeboard (if required) = ✓

Deduction for Fresh Water.

Displacement in salt water at summer load water line 25' = 11285 tons
 $\Delta = 24' = 10787$ tons
Tons per inch immersion at summer load water line 25' = 41.5
24' = 41.17
Deduction = $\frac{\Delta}{40 T}$ inches = 6.78" = 6 3/4"

TABULAR FREEBOARD corrected for Flush Deck (if required)
Correction for coefficient $\frac{765 + .68}{1.36} = \frac{1445}{1.360}$

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

+	-
11.79	-
-	16.76
-	.98
-	.07
-	-
-	-
11.79	17.81
Summer Freeboard = 69.62	

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :-

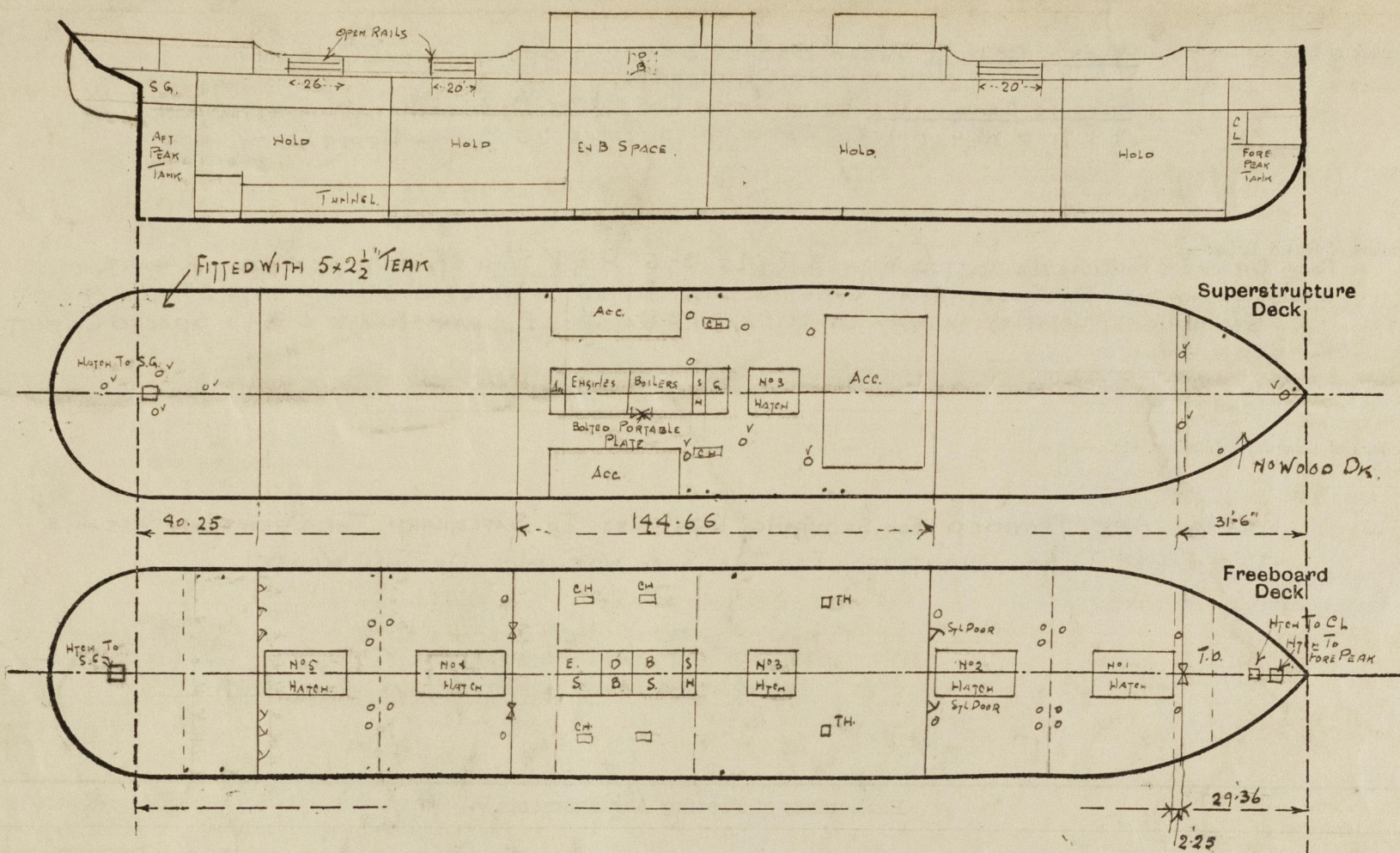
Tropical Fresh Water Line above Centre of Disc ... 13"
Fresh Water Line " " ... 6 3/4"
Tropical Line " " ... 6 1/4"
Winter Line below " " ... 6 1/4"
Winter North Atlantic Line " " ... ✓

Tropical Fresh Water Freeboard ...
Fresh Water " ...
Tropical " ...
Winter " ...
Winter North Atlantic " ...

5' 9 1/2"
4' 8 1/2"
5' 2 3/4"
5' 3 1/4"
6' 3 3/4"
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29 MAY 1936

Superstructure bulkheads, trunks, deckhouses, casings, cargo and coaling hatchways, extent and thickness of sheathing on the freeboard deck, gangway, cargo and coaling ports, and any other openings, etc., which would affect the seaworthiness of the ship are to be shewn on the following sketches:—



State any special features in the construction of the ship:—

This vessel has been built in accordance with the approved plans & in general conformity with the Society's rules for the class contemplated. ✓

The vessel is to be engaged on international trade. ✓

A freeboard request is forwarded herewith. ✓

The approved plans of midship section, profile & decks & hatches are forwarded for reference. These plans have been forwarded to London today (May 25) in connection with the first entry of S.S. 'Jalaganga' with gross N° 882. ✓

Builder's name and yard number. LITHGOWS LTD N° 882.

Names of sister ships. S.S. JALAGANGA. Greenock freeboard report N° 20117-

Owners. THE SCINDIA STEAM NAVIGATION CO LTD.

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Received by me

To BE RENDERED WITH FIRST ENTRY.



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