

19 SEP 1932

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

Computation of Freeboard for Steamer, Sailing Ship, Tanker

having **SHADE DECK**

(Type of Superstructures.)

Ship's Name <b>S.S. ANGORA</b>	Nationality and Port of Registry <b>BRITISH GLASGOW</b>	Official Number <b>129535</b>	Gross Tonnage <b>4298</b>	Date of Build <b>1911-2</b>
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Port of Survey **CALCUTTA**

Date of Survey **11.8.32**

Name of Surveyor **S. Roberts**

Particulars of Classification **+ 100 R.L. Shade Deck - S.S. Cal. No. 3-4-28**

Moulded Dimensions: Length **390'** Breadth **49.96'** Depth **24.5'**

Moulded displacement at moulded draught = 85 per cent. of moulded depth

Coefficient of fineness for use with Tables

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

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)
Poop 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 ...					

*Owner's desire 1906*  
*Assignment*

Standard Height of Superstructure

" " R.Q.D.

Deduction for complete superstructure

Percentage covered  $\frac{S}{L} =$

" "  $\frac{S_1}{L} =$

" "  $\frac{E}{L} =$

Percentage from Table, Line A.  
(corrected for absence of forecastle (if required))

Percentage from Table, Line B.  
(corrected for absence of forecastle (if required))

Interpolation for bridge less than  $\frac{1}{2}L$  (if required)

Deduction =

## SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P. ...		1					1		
$\frac{1}{4}L$ from A.P. ...		4					4		
$\frac{2}{4}L$ " ...		2					2		
Amidships ...		4					4		
$\frac{3}{4}L$ from F.P. ...		2					2		
$\frac{1}{4}L$ " ...		4					4		
F.P. ...		1					1		
Total ...									

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

If limited on account of midship superstructure.

If limited to maximum allowance of  $1\frac{1}{2}$  ins. per 100 ft.

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

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

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

Deduction for Fresh Water.

Displacement in salt water at summer load water line

$\Delta =$

Tons per inch immersion at summer load water line

T =

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

TABULAR FREEBOARD corrected for Flush 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. ...		

Summer Freeboard =

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

Tropical Fresh Water Line above Centre of Disc ...	...	Tropical Fresh Water Freeboard ...	...
Fresh Water Line " " ...	...	Fresh Water " " ...	...
Tropical Line " " ...	...	Tropical " " ...	...
Winter Line below " " ...	...	Winter " " ...	...
Winter North Atlantic Line " " ...	...	Winter North Atlantic " " ...	...



ANGORA

Particulars of fidley, funnel and ventilator casings:-  
 Double funnel casing - fidley to be protected by wooden casing 8'-0" - no storm covers fitted -  
 Lined steel entrance door to fidley on upper deck -  
 4 - 36 inch diameter ventilators to stokehold - casing 9'-0" high -  
 4 - 24 " " " E.R. - " 6'-6" "

1. 1.

Particulars of Companionways:—  
One companionway to upper main decks between Nos 1 & 2 Batches 3'-11" x 5'-3" fitted with double teakwood doors.  
" " " " of " No 3 " 3'-11" x 5'-3" "  
Two companionways on each side of machinery casing on upper deck leading to main deck - *with efficient closing appliances*

9", 12", 15", 18", & 24" inch diameter knifblasts to hold & trees - coaming's varying in height from 1'-6" to 2'-3" - wooden plugs - canvas covers supplied for closing knifblasts.

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks :-  
 2" x 4" inch diameter Swan neck H.L. pipes - 3" high - fitted in way of bulkheads -  
 - can be closed by wooden plugs -

Due cargo doors on each side of vessel on upper deck abreast bilge keel casing 2'3" x 6'0" secured by lashed lugs. -  
Six coaling doors on each side of vessel 2'6" x 2'6" secured by lugs. -

6" inch diameter scuppers on upper deck -  
all sanitary discharges fitted with storm valves -

12" inch diameter side benches fitted with hinged C.I. covers.

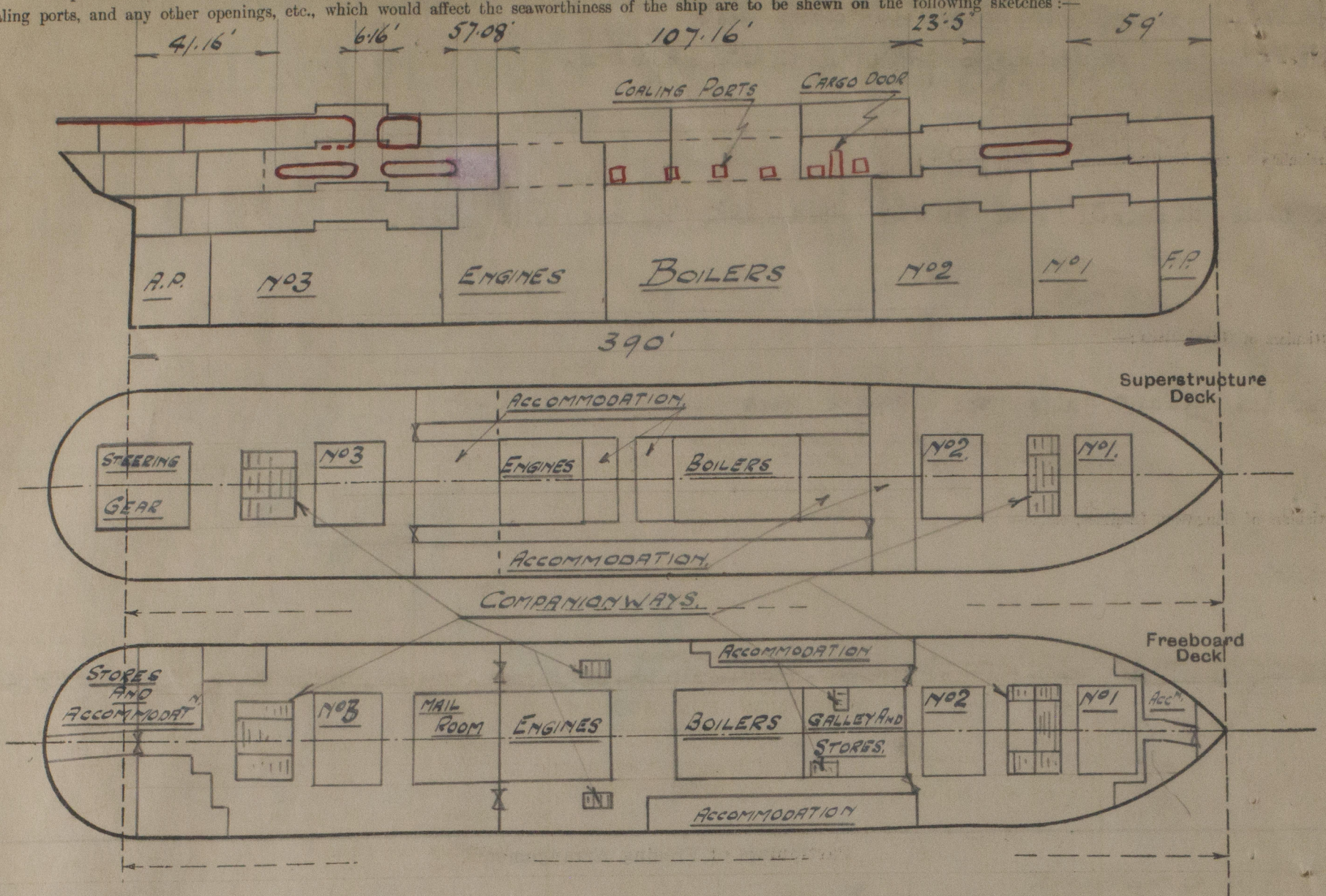
Inner bar guard rails on shade deck - 3'-9" high -

Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ... ..	12" x 3/8"	1/4"	3 x 3 x 3/8"	30"	/	open all ways		8'-0"
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead ... ..	12" x 3/8"	1/4"	5 x 3 x 3/8"	42"	/	4'-0" x 6'-0"	1 1/2"	8'-0"
Bridge, Forward Bulkhead ... ..	12" x 3/8"	1/4"	4 x 3 x 3/8"	30"	/	2'-6" x 5'-0"	12"	8'-0"
Forecastle Bulkhead ... ..	12" x 1/4"	1/4"	Steel Bulkheads		/	open all ways		8'-0"
Trunk, Aft ... ..								
Trunk, Forward ... ..								
Exposed Machinery Casings on Free-board or Raised Quarter Decks ...								
Exposed Machinery Casings on Super-structure Decks ... ..								
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ... ..	15" x 1/2"	3/8"	5 x 3 1/2" x 3/8"	4'-0"	/	5'-6" x 2'-6"	15"	8'-0"
Deckhouses on Flush Deck Ships ...								

Pool Bulkhead ... ..	— open alleyways —
Raised Quarter Deck Bulkhead	2 1/2" Stove boards in channels full height.
Bridge, After Bulkhead ... ..	hinged steel doors secured by cleats operated from both sides —
Bridge, Forward Bulkhead ... ..	— open alleyway —
Forecastle Bulkhead ... ..	
Exposed Machinery Casings on Free-board or Raised Quarter Decks ...	
Exposed Machinery Casings on Super-structure Decks ... ..	
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ... ..	C.R. casing inside superstructure - hinged steel doors to C.R. on upper deck -
Deckhouses on Flush Deck Ships ...	secured by hand lever locks - steel mechanically operated skylight



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 shown on the following sketches:—



Freeboard deck is sheathed.

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

Particulars taken when vessel was in dry dock going through S.S. No. 1—

Builder's name and yard number

Names of sister ships

Owner *British India Steam Navigation Co.*

Fee *88 5/5/-*

Received by me

*D. P. S. S. S.*



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