

WRECK
Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.

No 1932

having Poop, Bridge & Forecastle
Computation of Freeboard for Steamer, Sailing Ship, Tanker

Port of Survey CALCUTTA.

(Type of Superstructures.)

Date of Survey 31. 8. 33.

Ship's Name

Nationality and Port of Registry

Official Number

Gross Tonnage

Date of Build

S.S. "SIR HARVEY ADAMSON"

BRITISH GLASGOW.

136336.

1030.

1914-11.

Name of Surveyor S. S. S. S.

Moulded Dimensions: Length 220 Breadth 35 Depth 12'-8"

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

Coefficient of fineness for use with Tables

Particulars of Classification + 100 A.I.

S.S. Cal. No 3-5.27.

SHADE DECK-

S.S. Cal. No 1-31

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

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)	
Poop enclosed						Standard Height of Superstructure
" overhang						" " R.Q.D.
R.Q.D. enclosed						Deduction for complete superstructure
" overhang						Percentage covered $\frac{S}{L} =$
Bridge enclosed						" " $\frac{S_1}{L} =$
" overhang aft						" " $\frac{E}{L} =$
" overhang forward						Percentage from Table, Line A. (corrected for absence of forecastle (if required))
F'cle enclosed						Percentage from Table, Line B. (corrected for absence of forecastle (if required))
" overhang						Interpolation for bridge less than 2L (if required)
Trunk aft						Deduction =
" forward						
Tonnage opening aft						
" forward						
Total						

SHEER CORRECTION.

Station	Standard Ordinate	S	Product	Actual Ordinate	Effective Ordinate	S	Product	
A.P.		1				1		Mean actual sheer aft =
1/4 L from A.P.		4				4		Mean actual sheer forward =
2/4 L "		2				2		Mean standard sheer forward =
Amidships		4				4		Length of enclosed superstructure forward of amidships =
3/4 L from F.P.		2				2		" " aft of " =
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 1/2 ins. per 100 ft.

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard.	Deduction for Fresh Water.	TABULAR FREEBOARD corrected for Flush Deck (if required)
Depth to Freeboard Deck = Ft.	Displacement in salt water at summer load water line	Correction for coefficient
Summer freeboard =	$\Delta =$	Depth Correction
Moulded draught (d) =	Tons per inch immersion at summer load water line	Deduction for superstructures
	T =	Sheer correction
Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches =	Deduction = $\frac{\Delta}{40 T}$ inches =	Round of Beam correction
Addition for Winter North Atlantic Freeboard (if required) =		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 " "

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS											
Description of Hatchway			FORE HATCH.	AFTER HATCH.							
Dimensions of Hatchway			18'9" x 12'0"	15'0" x 12'0"							
COAMINGS	{	Height above Deck	30"	30"							
		Thickness { Sides	44.	40							
		{ Ends	40	36							
		Stiffeners	Nil	Nil							
Brackets, Stays											
HATCH BEAMS	{	Number	3.	2.							
		Spacing	4'-8"	4'-10"							
		Scantling and Sketch	7" 3x3x40 angles	- do -							
		Bearing Surface	19"x34 plate								
			Shade deck particulars								
FORE AND AFTERS	{	Number	Approved for cable 12.9.32								
		Spacing	— Nil —								
		Unsupported Lengths									
		Scantling* and Sketch									
Bearing Surface											
HATCH COVERS	{	Material	PINE								
		Thickness	3"								
		How fitted	F&A	- do							
		Bearing Surface	3"								
Spacing of Cleats			2'-0"	- do.							
Number of Tarpaulins			4.								

*Are wood fore and afters steel shod at all bearing surfaces?

Are battens and wedges efficient and in good condition?

Are tarpaulins in good condition and in accordance with rule requirements?

Are lashings provided in accordance with rule requirements?

Particulars of fiddley, funnel and ventilator coamings:—

Double tunnel casing - Adit casing 6'-6" high fitted with grating & hinged steel storm covers
Hinged steel door to adit per floor and deck -
4 - 18" inch diameter ventilators to shaft - Coaming 7'-6" high -
2 - 24" " " " Sillhole - " 6'-9" "

Particulars of Flush Bunker Scuttles:—

Three flush bunker sentries on each side of foreband deck - 18" inches diameter fitted with lockable covers -

Particulars of Companionways :—

Two companions of under fore-castle head to upper deck fitted with teakwood doors 2'-0" x 5'-6" ✓
 two companions of in aft bridge bulk head fitted with double teakwood doors 2'-6" x 5'-6" ✓
 two companions of with teakwood doors on each side of steering gear house to crew quarters 2'-0" x 5'-6" ✓

Particulars of Ventilators in exposed positions on freeboard and superstructure decks :—

13" inch diameter ventilators to hold & secure - 3'-0" bannings - after coamings 7'-0" secured to poop deck house - fitted with wooden plugs & canvas covers -

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:—

(No D.B. tanks) Air pipes to 3-A. tanks - 2 1/2" diameter Swan neck - 2'-6" high -
wooden plugs supplied for closing purpose -

Particulars of Gangway Cargo and Coaling Ports:—

4. Cargo doors on each side of hull on forehand deck 3'-0" x 5'-6" secured by winged lugs -

Sir Harvey Adamson

Particulars of Scuppers and Sanitary Discharge Pipes:—

5" inch diameter scuppers fitted with slot steel heads in fore and aft deck - wooden plugs supplied for closing purposes -
All sanitary discharges fitted with storm valves -

Particulars of Side Scuttles:—

12" diameter side scuttles fitted with hinged C.I. covers -

Particulars of Guard Rails:—

5 bar rails fitted in poop, bridge & fore-castle - 3'-9" high -

Particulars of Gangways, Lifelines, etc.:—

Lifelines are provided for safety of crew -

Particulars of Freeing Arrangements.

	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well ...	9' 39.6"	7'-6"	1-3 x 1'-9"	1.	2.2	8
Forward Well ...	10.75' 50.9"	7'-6"	NIL	✓	✓	10

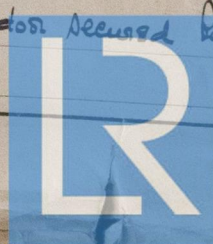
State position of each freeing port (F. and A. position and height above deck edge) } After Well: Poop Bridge 25'-6" 14'-0" Bridge F.C.L.E.
State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such: }
Additional area where sheer is less than standard. } Single bar with flap 12" inches above deck -

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 1/4"	3/16"	Plates flanged.	30"	✓	✓	✓	7'-6"
Raised Quarter Deck Bulkhead ...	3' x 3' x 3/8"	3/16"	3' x 3' x 3/8"	30"	✓	3'9" x 5'-6"	✓	7'-6"
Bridge, After Bulkhead ...	- do -	- do -	- do -	- do -	✓	- do -	✓	7'-6"
Bridge, Forward Bulkhead ...	- do -	1/4"	Plates flanged.	- do -	✓	✓	✓	7'-6"
Fore-castle Bulkhead ...	- do -	1/4"	Plates flanged.	- do -	✓	✓	✓	7'-6"
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 ...	12" x 5/16"	1/4"	Plates flanged.	30"	NIL	20" x 5'-6"	15"	7'-6"
Deckhouses on Flush Deck Ships ...								

Particulars of Closing Appliances (state if capable of being manipulated from both sides).

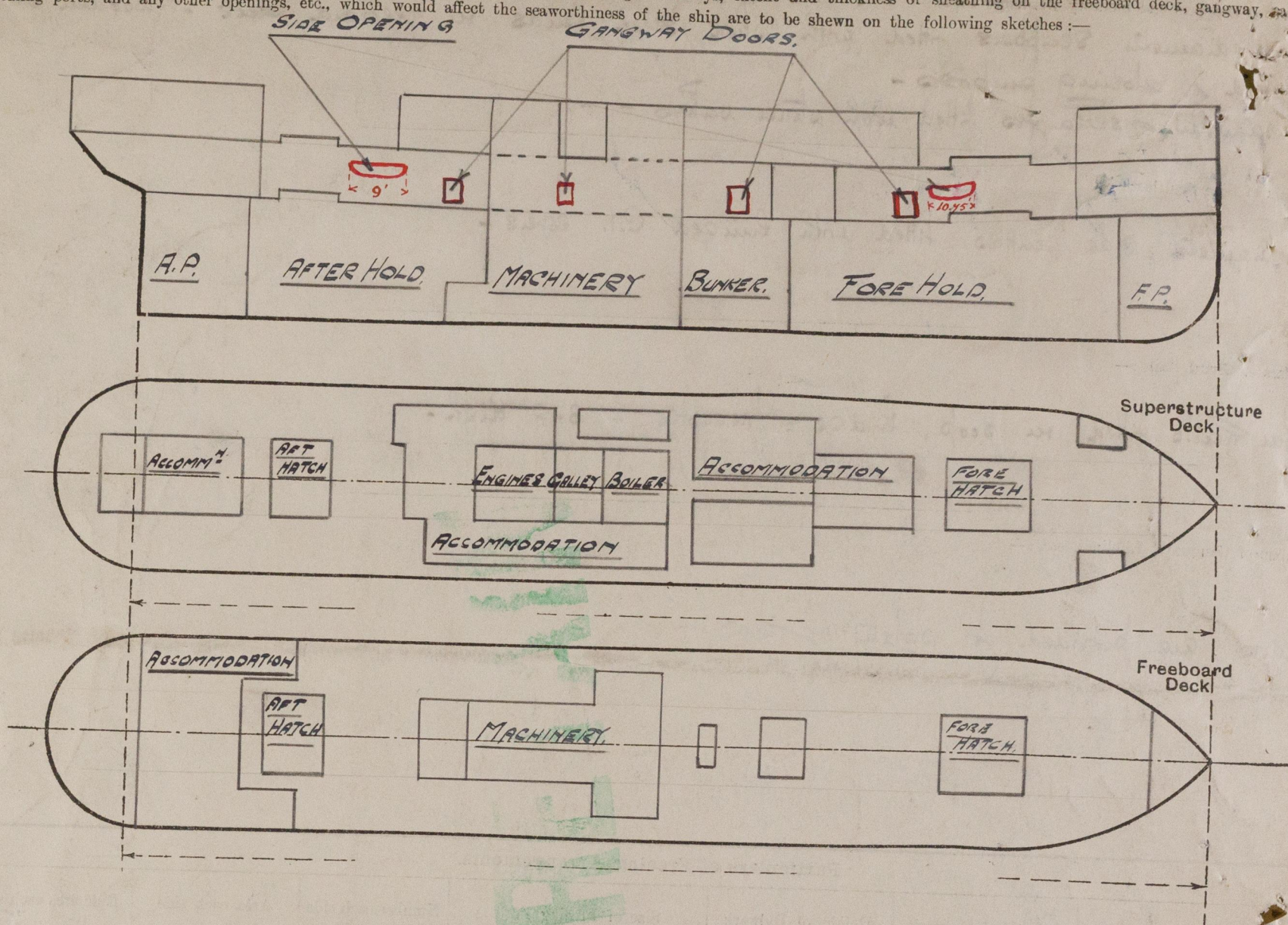
Poop Bulkhead ...	Completely plated -
Raised Quarter Deck Bulkhead ...	Two openings - no closing appliances.
Bridge, After Bulkhead ...	ditto
Bridge, Forward Bulkhead ...	Completely plated -
Fore-castle Bulkhead ...	none
Exposed Machinery Casings on Free-board or Raised Quarter Decks ...	none
Exposed Machinery Casings on Super-structure Decks ...	B.R. casing protected in upper deck - fitted with hinged steel door secured by handle & lock - wooden skylight mechanically operated -
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	
Deckhouses on Flush Deck Ships ...	



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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:—



Freeboard deck is sheathed —

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

Particulars taken when vessel was in drydock for examination Survey.

Builder's name and yard number

Names of sister ships

Owners

British India Steam Navigation Co.

Fee

Rs 400/-

Received by me

[Signature]