

23 JUL 1943

Index No. 37336  
(For London Office only).

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

### (CONDITIONS OF ASSIGNMENT.)

'NALANDA'

GRK. REPORT N° 22392.

Ship's Name *ex* MAHADEVI

Port of Survey GREENOCK

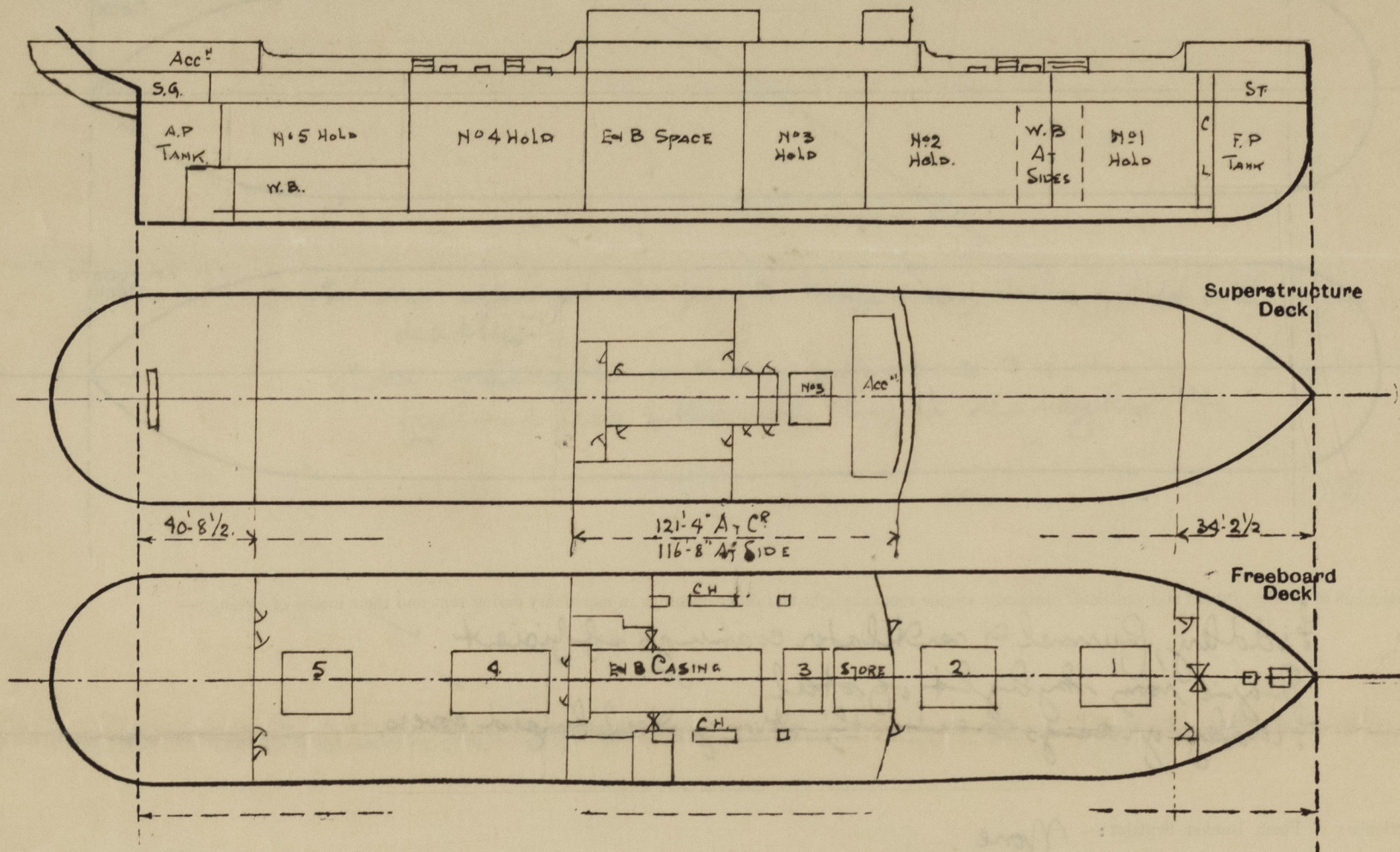
Official Number 1062

Surveyor's Signature *Kenneth Lytle*Nationality and Port of Registry ~~BRITISH, LONDON.~~

Date of Survey WHILE BUILDING 1943.

INDIAN BOMBAY

Disposition and dimensions of superstructures, trunks, deckhouses and machinery casings to be inserted in the diagrams and tabular statement : --



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 ...	.38	.38	6x3x.450A	30"	WELDED	5'x2'	18"	7'-9"
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead ...	.30	.30	4x3x.320A	30"	NONE	5'x4'	18"	7'-9"
Bridge, Forward Bulkhead ...	.44	.44	9x3x.44BA	30"	WELDED	5'x3'-6"	18"	7'-9"
Forecastle Bulkhead ...	.30	.30	4x3x.320A	25"	NONE	5'x4'	18"	7'-6"
Trunk, Aft ...	✓							
Trunk, Forward ...	✓							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	.34	.30	3x3x.40	30"	CONTINUOUS FROM 2 <sup>ND</sup> DN TO CASING TOP	5'x2'-3"	18"	7-9
Exposed Machinery Casings on Superstructure Decks ...	.34	.30	3x3x.40	24"	+ BENTS AT CASING TOP	5'x2'-6"	18"	7-9
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	.30	.26	3x3x.40	30"		5'x2'-3"	18"	7-9
Deckhouses on Flush Deck Ships ...								

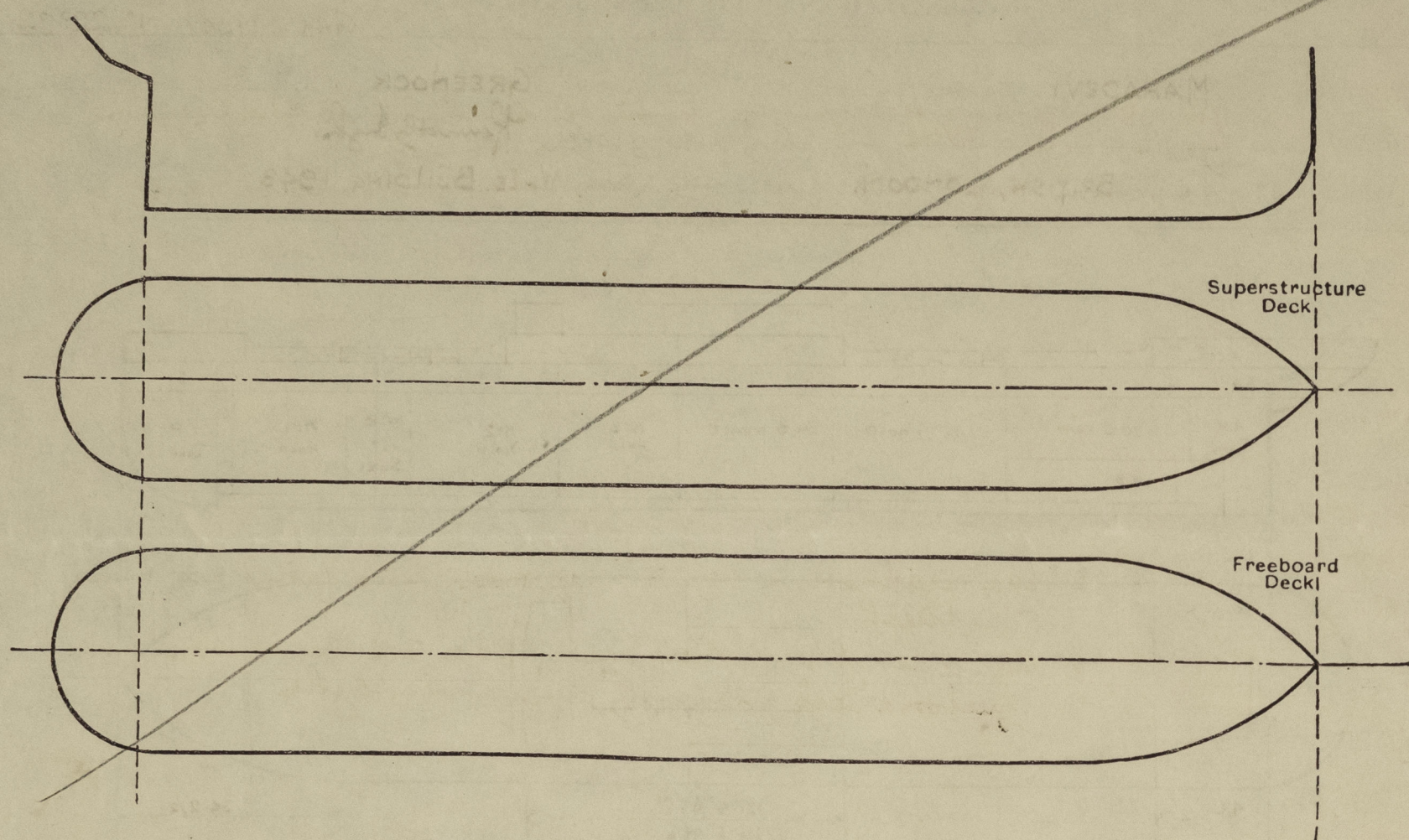
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead ...	Hinged steel doors workable from both sides ✓
Raised Quarter Deck Bulkhead ...	✓
Bridge, After Bulkhead ...	Hinged wood doors & steel plate with hook bolts 15" apart not passing thro' bulkhead & also channels & boards full height.
Bridge, Forward Bulkhead ...	Hinged steel watertight doors workable from both sides. ✓
Forecastle Bulkhead ...	steel plate secured by hook bolts 15" apart not passing thro' bulkhead ✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	Hinged steel doors workable from both sides. ✓
Exposed Machinery Casings on Superstructure Decks ...	- do -
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	- do -
Deckhouses on Flush Deck Ships ...	✓



# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

The following diagrams should be used to indicate the positions of cargo and coaling hatchways, gangway, cargo and coaling ports, ventilators, companionways, etc., which would affect the seaworthiness of the ship:—



Particulars of fiddle, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:—

Fiddle, funnel & ventilator coamings efficient ✓  
 Engine room skylight of steel ✓  
 Fiddle gratings covered with strong steel hinged covers.

Particulars of Flush Bunker Scuttles:— None ✓

Particulars of Companionways:— None ✓

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

Foredeck 1 vent 9" dia to store coaming 36x32 ✓  
 Forward well 8 vents 20" dia. to hold coaming 36x40 ✓  
 After Well 8 " 20" " " " 36x40 ✓  
 Bridge deck 2 vents 9" dia. to store coaming 36x40 ✓  
 2-24" dia. derrick ports coaming efficiently stayed. ✓  
 Poop deck 7-9" dia. coal vents to poop deck ✓  
 4-12 " " " " " " 30x32 ✓  
 1-8 " " " " " " 30x32 ✓  
 1-20 " " " " " " 30x40 ✓  
 2-12 " " " " " " 30x34 ✓

All ventilators constructed in accordance with the rules & fitted with wood plugs & canvas covers.

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

Poob 2-3 1/2 " air pipe to fore peak tank 18" high. ✓  
 1-4 1/2 " " " " " " 18" high. ✓  
 8-2 1/2 " " " " " " 18" high. ✓  
 Under Bridge 2-3 1/2 " " " " " " 18" high. ✓  
 Fore Well 2-4 " " " " " 18" high. ✓  
 Side Well 2-3 1/2 " " " " " 18" high. ✓  
 1-3 " " " " " 18" high. ✓  
 2-3 " " " " " 18" high. ✓  
 Bridge deck 4-4 " " " " " 18" high. ✓

All air pipes fitted with cutter gauge or wood plugs. Height 36" on upper deck, 30" on Bridge deck.

Particulars of Gangway Cargo and Coaling Ports:—

Coaling door P & S. to Bridge &ween decks 5'x4' ✓  
 Secured by channel stungbacks.

permanently closed  
 See P. 11 cont'd from 7.59

Particulars of Scuppers and Sanitary Discharge Pipes:—

Poob & Bridge &ween deck sanitary discharges led through ship's sides below freeboard deck & fitted with storm valves & traps at inner end. ✓  
 Scuppers in poop & bridge fitted with storm valves & transverse plugs. ✓  
 Wells - stringer bar cut ✓

Particulars of Side Scuttles:—

12" dia sidelights in poop & bridge &ween decks. fitted with hinged deadlights ✓  
 9" dia sidelights to steering gear space & to store forward under freeboard deck fitted with hinged deadlights.

Vertical distance of Sill of lowest Side Scuttle above top of keel 33' 3" ✓

Particulars of Guard Rails:—

3 rails & stanchions 3'-6" high around poop, bridge & fore-castle. ✓  
 stanchions about 5'-8" apart.

Particulars of Gangways, Lifelines, etc.:—

Lifelines fitted in fore & aft wells.

## 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 ... ..	107'-4"	3'-9"	8'-0" x 8 3/4". Circular ends.	3. also bulwark cut away & portable rails fitted in this place P & S 5'-6" x 4'-6" long.	22.085 sq. ft.	21.475 sq. ft.
Forward Well ... ..	105'-4"	3'-9"	8'-0" x 8 3/4". Circular ends.	2. also bulwark cut away & portable rails fitted in this place P & S 4'-6" x 11'-0" long.	21.425 sq. ft.	21.425 sq. ft.

State position of each freeing port ... .. { After Well:—  
 (F. and A. position and height above deck edge) { Forward Well:—

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.



## PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.												
Description of Hatchway		UPPER Dk						BRIDGE				
		Nº1.	Nº2.	Nº3.	Nº4.	Nº5.	Nº6.					
Dimensions of Hatchway		31'6" x 16'	32'8" x 16'	11'8" x 16'	32'8" x 16'	30'4" x 16'	11'8" x 16'					
COAMINGS	Height above Deck	30	30	33	30	30						
	Thickness	50	50	44	50	50						
	Sides	44	44	44	44	44						
	Ends	44	44	44	44	44						
HATCH BEAMS	Stiffeners	9 x 3 x 44 BA		7 x 3 x 40 BA	9 x 3 x 44 BA							
	Brackets, Stays	3	3	1	3	3						
	2" DIA	2	2	2	2	2						
	SIDES											
FORE AND AFTERS	Number	5	5	1	5	5						
	Spacing	5-3	5-5 1/2	5-10	5-5 1/2	5-0 1/2						
	Scantling and Sketch	15 x 34	15 1/2 x 34	13 1/4 x 30	15 1/2 x 34	14 x 34						
	Bearing Surface	3	3	3	3	3						
HATCH COVERS	Material	W.P.	W.P.	W.P.	W.P.	W.P.						
	Thickness	3	3	3	3	3						
	How fitted	FLA	FLA	FLA	FLA	FLA						
	Bearing Surface	3	3	3	3	3						
Spacing of Cleats		24	24	24	24	24						
Number of Tarpaulins		2	2	2	2	2						

SMALL HATCHES

UNDER FORECASTLE

To STORE 4 x 3

To CHAIN LOCKER 2' x 2' 6"

COAMING 9 x 3 x 44 BA

3" WOOD COVERS

CLEATS 4 ONE TARPULIN.

UNDER BRIDGE P/S.

COAL HATCH 3 x 3

" " 9' 4" x 4'

" " 4' 8" x 4'

TRIMMING 2' 6" x 2'

COAMING 9 x 3 x 40 BA.

POOP DECK

To STEERING GEAR 6' x 2'

COAMING, 18" ABOVE WOOD Dk x 40

CLEATS 2 TARPULINS, 3" WOOD COVERS

BRIDGE Dk

COAL HATCH 5 x 3' P/S

COAMING, 30" x 40

CLEATS, 24.

TWO TARPULINS.

3" WOOD COVERS.

3" SLAB COVERS AT Nº 1, 2, 4, 5 HATCHES.

10' 2" x 2 1/2' x 44

9 x 3 x 44 BA

50

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

Are battens and wedges efficient and in good condition? YES

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

Are lashings provided in accordance with rule requirements? YES.

NOTE: EFFICIENT LOCKING BARS FITTED AT Nº 1 HATCH.

Particulars of any special features :—

Note:- Endorsement for deeper loading required.

Endorsement at first survey and at surveys for renewal of Certificate :—

The fittings and appliances are in accordance with the particulars shown on this form (or as now modified) and are in good condition.