

Lloyd's Register of Shipping.

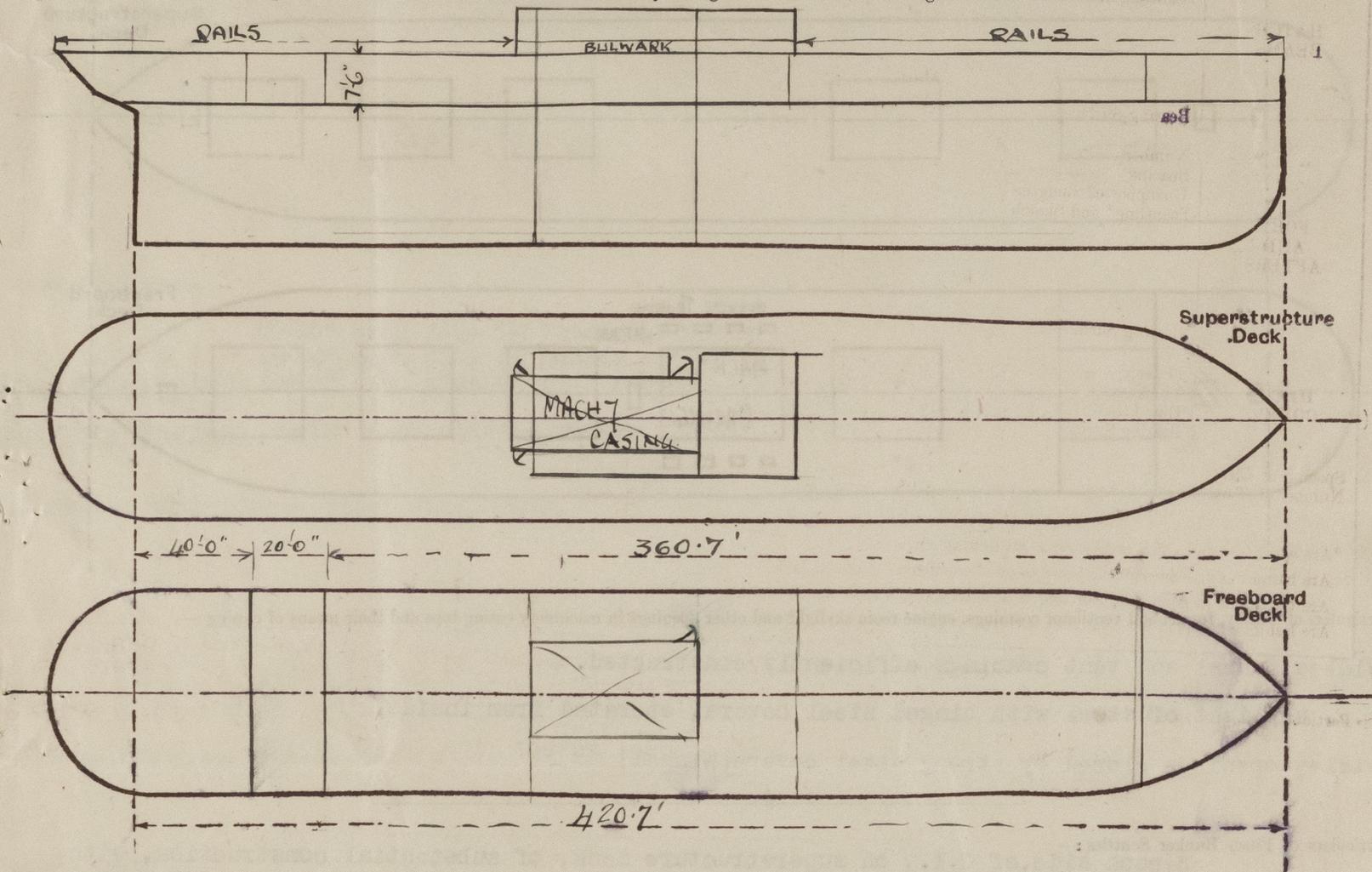
Index No. _____
(For London Office only).

SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

Ship's Name **'MINASLOIDE'** Port of Survey **Rio de Janeiro**
 Official Number _____ Surveyor's Signature **M. Caldwell**
 Nationality and Port of Registry **Brazilian - Rio de Janeiro** Date of Survey **9/1/47**

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

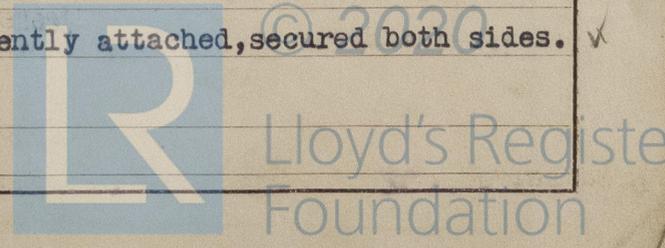


Particulars of Superstructures, Trunks, Casings, Deckhouses.

	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	.38	vertical	6.5"x3.5x.46"	30"	brackets	45"x5'	15"	7'6"
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead ...	.38"	vertical	4"x3"x32"	30"	none	45" x 5'	15"	7'6"
Bridge, Forward Bulkhead ...								
Forecastle Bulkhead ...								
Trunk, Aft ...								
Trunk, Forward ...								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...								
Exposed Machinery Casings on Superstructure Decks ...	.30"	.30"	3"x2.5"x.30"	36"	brackets at top.	5' x 2'	15"	7'6"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...								
Deckhouses on Flush Deck Ships ...								

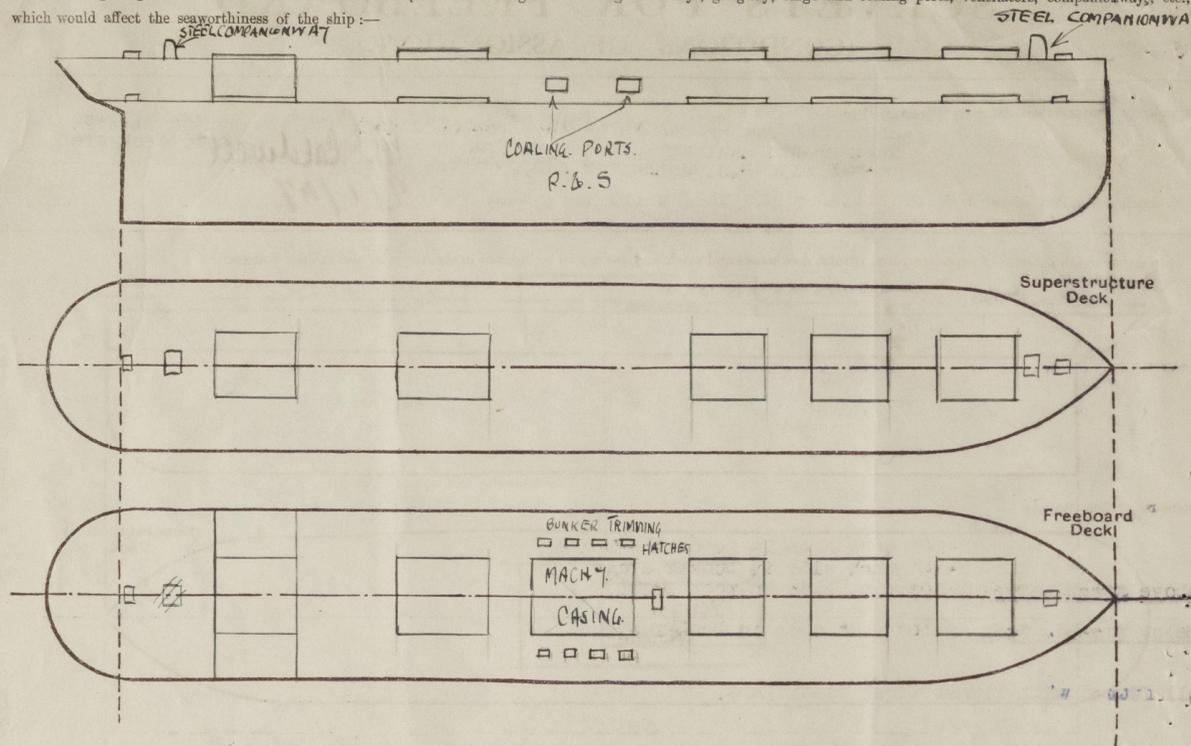
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead ...	3" shifting boards for full height, in channels riveted to the bulkhead.
Raised Quarter Deck Bulkhead ...	
Bridge, After Bulkhead ...	3" shifting boards for full height, in channels riveted to the bulkhead.
Bridge, Forward Bulkhead ...	
Forecastle Bulkhead ...	
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	
Exposed Machinery Casings on Superstructure Decks ...	Steel doors, strongly constructed, permanently attached, secured both sides.
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	
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:—

- ridley, funnel and vent coamings efficiently constructed.
- E.R. skylight of steel with hinged steel covers, operated from inside.
- ridley openings closed by strong steel covers (hinged)

Particulars of Flush Bunker Scuttles:—

3 each side, of C.I., on superstructure deck, of substantial construction, with bayonet joints and chain attachment.

Particulars of Companionways:—

One on superstructure deck fwd., of steel, and substantial construction, with 24" coaming and double wood doors 2.5" thick at aft end.
One on superstructure deck aft- as above- with 9" coaming.

Particulars of Ventilators in exposed positions on superstructure decks:—

- 6-6.5" x .30" x 36" high to crew's accommodation ford.
- 1-12" x .34" x 36" " " forward store.
- 7-18" x .38" x 36" " " Hold Spaces.
- 5-15" x .36" x 36" " " " "
- 2-15" Merrick posts with M.V. on top to No3 Hold
- 2-15" " " " " " " No5 " "
- 1 12" x .34" x 36" high to tunnel.
- 1-10" x .32" x 36" " " aft store.

All coamings fitted with wood plugs and canvas covers.

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

All air pipes flush with superstructure deck and closed by brass screwed plugs.

Particulars of Gangway Cargo and Coaling Ports:—

2 Coaling ports each side above freeboard deck 4'6" x 3'6", covered by hinged steel doors, strongly constructed and efficiently closed.

Particulars of Scuppers and Sanitary Discharge Pipes:—

Scuppers from spaces below the freeboard deck are led to the bilges. Scupper and Sanitary discharges from spaces above freeboard deck are fitted with C.S. automatic N.R. valves at ship's side.

Particulars of Side Scuttles:—

- 11-10" each side in fo'castle space
 - 1-10" each side in bunker space
 - Above Freebd. Deck 9-10" each side in poop space
 - Below Freebd. Deck 2-10" each side in bunker space.
- All fitted with hinged steel deadlights.

Vertical distance of Sill of lowest Side Scuttle above top of keel 29'0"

Particulars of Guard Rails:—

112' of bulwark on superstructure deck abreast midship housing. Ford. and Aft. of this, for whole length, 4 rails - 3'6" high with stanchions 4'0" apart.

Particulars of Gangways, Lifelines, etc.:—

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 ...						
Tonnage opening	20'0"	8'6"	24" x 18"	one	3 sq.ft.	
Forward Well ...						

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:— Fitted with hinged steel shutters.

Additional area where sheer is less than standard.

MINASLOIDE.

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.											
Description of Hatchway	Superst. Deck			TOP P.	Freebd. Deck					S.D.	F. Deck
	No 1, 3 & 4	No 2	Ton. Opng.	Space	No 1, 3 & 4	No 2	No 4	No 5	A.P. space		
Dimensions of Hatchway	20'x18'	25'x18'	20'x18'	3'x2'6"	20'x18'	25'x18'	20'x18'	20'x18'	5'x4'	5'x4'	
COAMINGS	Height above Deck	30" ✓	30" ✓	9" B.A.	9" B.A.	9" B.A.	9" B.A.	9" B.A.	9" B.A.	3/8"	3/8"
	Thickness	7/16" ✓	7/16" ✓	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
	Sides										
	Ends										
Stiffeners											
Brackets, Stays	10 x 3 x 3/8" E. 4" x 3/8" P. 5' 0" apart										
HATCH BEAMS	Number	5 ✓	4 ✓	3 ✓	one	2	3	5			
	Spacing	5' ✓	5' ✓	5' ✓	10' ✓	8' 4" ✓	5'	5'			
	Scantling and Sketch	4x3" x 3-3/4" x 32"	As No 1 ✓	4x3" x 12" x 32"	4x3" x 3-2" x 32"	As for No 1 ✓	As for SUPER DECK ✓	As for No 4 ✓			
	Bearing Surface	3" ✓	3" ✓	3" ✓	3" ✓	3" ✓	3" ✓	3" ✓			
FORE AND AFTERS	Number				4	4					
	Spacing				3' 6"	3' 6"					
	Unsupported Lengths				ends only 8' 4"	ends only 8' 4"					
	Scantling* and Sketch				10' 0" T BULBS	As for No 1 ✓					
Bearing Surface				3" ✓	3" ✓						
HATCH COVERS	Material	Wood	Wood	Wood	Closed	2 3/4"	2 3/4"	2 3/4"	2 3/4"	2 3/4"	Steel
	Thickness	2 3/4"	2 3/4"	2 3/4"	by 2 3/4" wood	2 3/4"	2 3/4"	2 3/4"	2 3/4"	2 3/4"	hinged
	How fitted	F&A	F&A	F&A	cover & secured	3"	3"	3"	3"	3"	5" plate
	Bearing Surface	3"	3"	3"	secured by steel hinged bar	24"	24"	24"	24"	24"	secured by lugs
Spacing of Cleats	24"	24"			24"	24"	24"	24"	24"	24"	
Number of Tarpaulins	2	2	2		2	2	2	2	2	2	

*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 ✓

Steel W.T. Cover 3/8" T" Secured by Toggles.

Particulars of any special features:—
 On freeboard deck- 4 bunker hatches each side 4'6"x2'6" x 9"B.A.coaming covered by 2 3/4" wood hatches, on 3" bearers, with tarpaulins and cleats as per rule. ✓
 One bunker hatch in centre 4'6" x 3'10" x 9"B.A.coaming covered as per side hatches. ✓

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.