

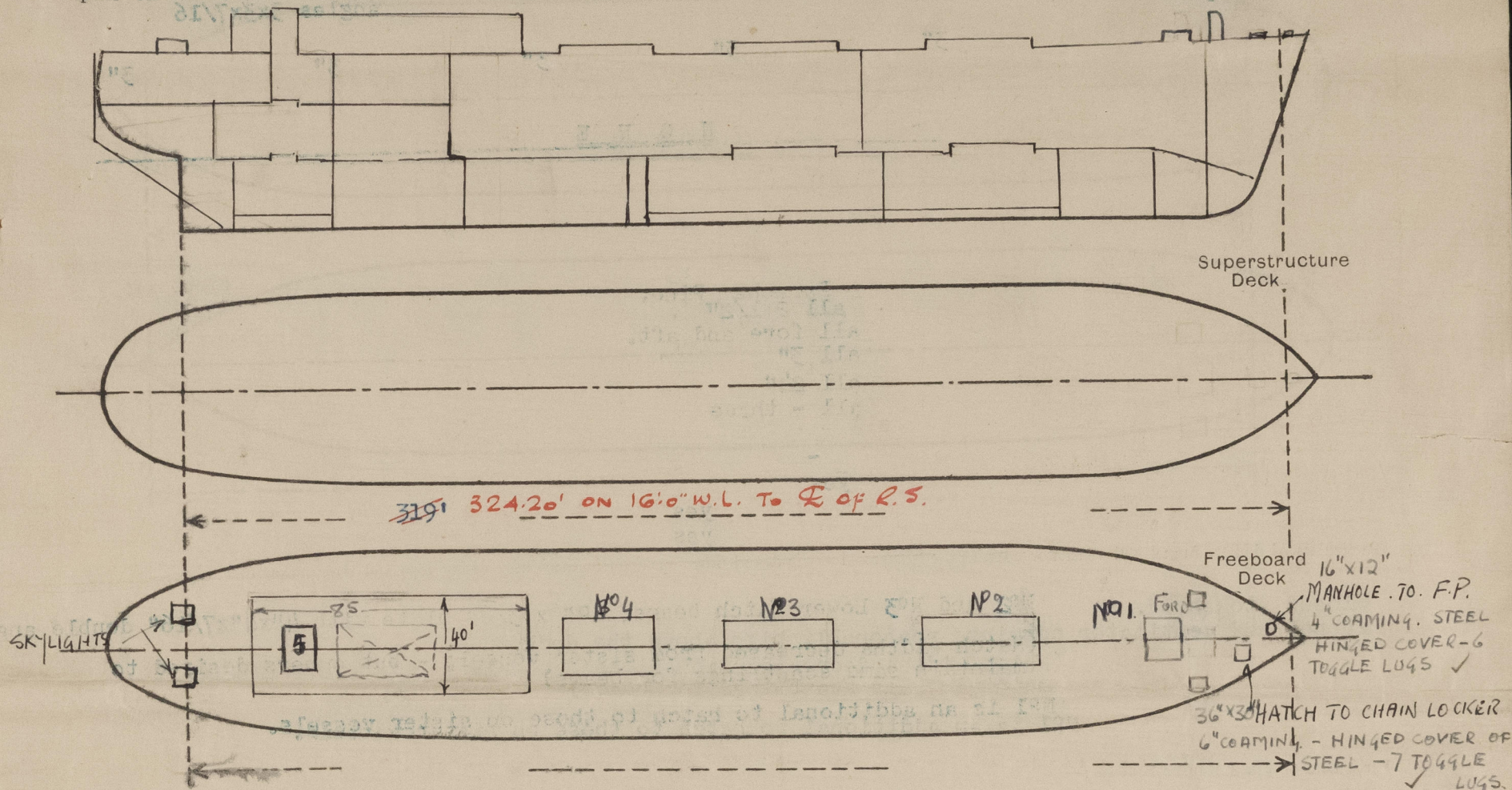
## Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

Ship's Name RIO GUADIANA Port of Survey Rio de Janeiro  
 Official Number 1234 Surveyor's Signature M. Caldwell  
 Nationality and Port of Registry Brazilian - Rio de Janeiro Date of Survey 23rd February 1954

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 ... ..   |            |         |            |         |                               |                                     |                     |                   |
| Raised Quarter Deck Bulkhead ...   |            |         |            |         |                               |                                     |                     |                   |
| Bridge, After Bulkhead ... ..  |            |         |            |         |                               |                                     |                     |                   |
| Bridge, Forward Bulkhead ... ..  |            |         |            |         |                               |                                     |                     |                   |
| Forecastle Bulkhead ... ..   |            |         |            |         |                               |                                     |                     |                   |
| Trunk, Aft ... ..  |            |         |            |         |                               |                                     |                     |                   |
| Trunk, Forward ... ..  |            |         |            |         |                               |                                     |                     |                   |
| Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...                         |            |         |            |         |                               |                                     |                     |                   |
| Exposed Machinery Casings on Superstructure Decks ... ..                                   |            |         |            |         |                               |                                     |                     |                   |
| Machinery Casings within Superstructures not fitted with Class I Closing Appliances ... .. |            |         |            |         |                               |                                     |                     |                   |
| Deckhouses on Flush Deck Ships ...   |            |         |            |         |                               |                                     |                     |                   |
|  | aft & aft. | .25 ✓   |            |         |                               | 1-4'6"x2'<br>6-5' x 2'<br>1-4'6"x2' | 18"<br>18"<br>24" ✓ |                   |

Machinery casing enclosed in strong steel deck house ✓

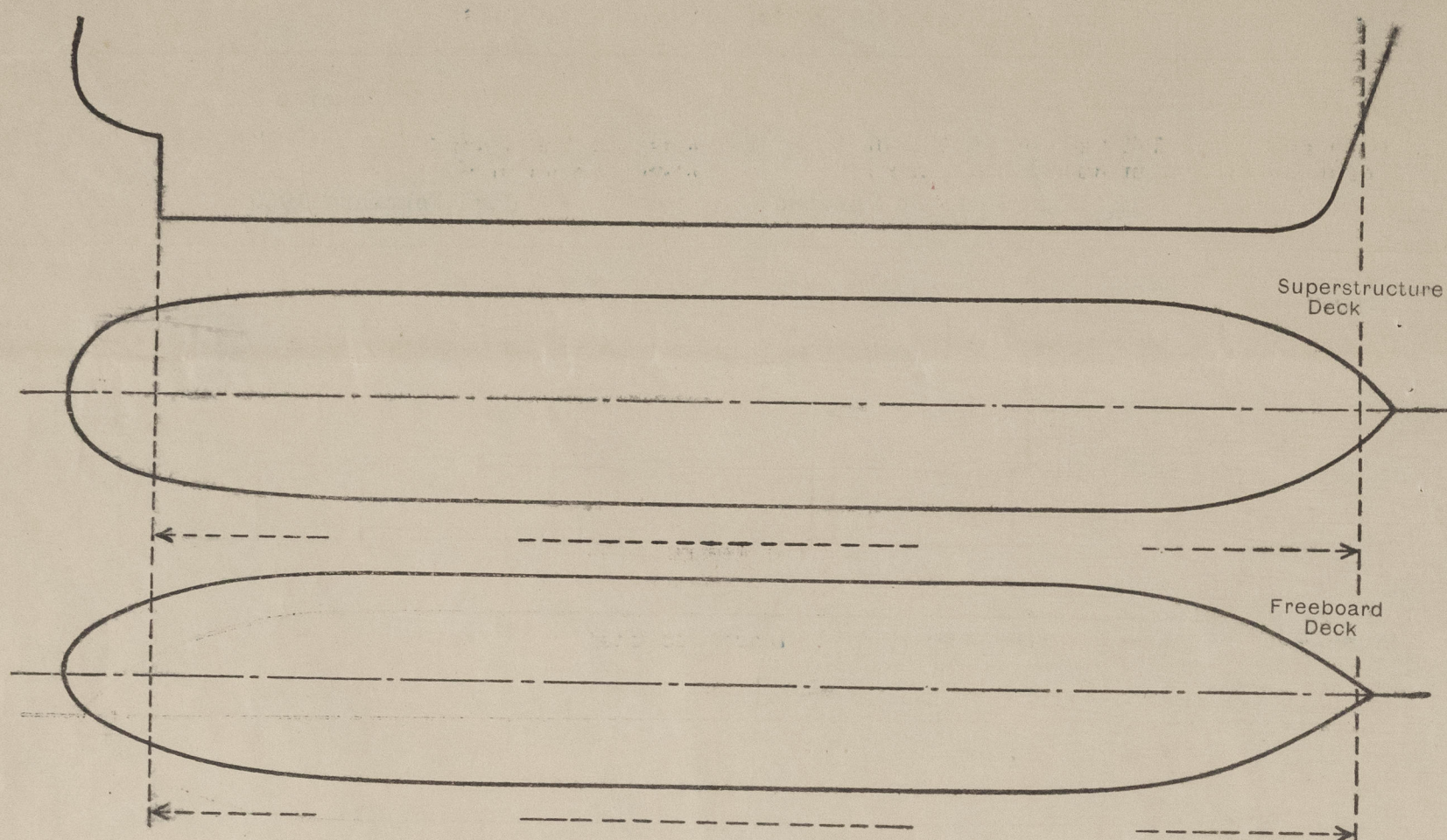
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

|  |   |
|--|---|
| Poop Bulkhead ... ..   |   |
| Raised Quarter Deck Bulkhead ...   |   |
| Bridge, After Bulkhead ... ..  |   |
| Bridge, Forward Bulkhead ... ..  |   |
| Forecastle Bulkhead ... ..   |   |
| Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...                         |   |
| Exposed Machinery Casings on Superstructure Decks ... ..                                   |   |
| Machinery Casings within Superstructures not fitted with Class I Closing Appliances ... .. |   |
| Deckhouses on Flush Deck Ships ...   | Doors of steel strongly constructed and operated from both sides. ✓ |



# 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 :-

Closed stokehold.  
Funnel and ventilator coamings reasonably high above the deck. ✓

Particulars of Flush Bunker Scuttles :-

none ✓

Particulars of Companionways :-

2 - on ford. deck, of steel, riveted to deck, each 7' x 3'3" x 6'6".  
Coaming 24" high. Door of steel, strongly constructed, operated from both sides. ✓  
2 skylights (aft of machinery casing) to crews quarters, of steel, riveted to deck, 8' x 8' x 24" to opening, closed by hinged steel shutters. ✓

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

6 - 24" diam coamings, 36" high, to hold spaces, of steel strongly constructed and efficiently riveted to deck. ✓  
2 - 10" diam. coamings 8' high, bracketed to casing, to hold spaces, of steel, substantially constructed and efficiently riveted to deck. ✓  
2 Fan trunks, abreast deck casings on ford. deck, of steel, riveted to deck. 2' x 4'6". ✓  
10 fan trunks (5 each side of E.R. casing house) 3'6" high x (4) 20" x 8" and (6) 10" x 10". ✓  
2 Fan trunks (at aft end of E.R. casing) 8" x 8" x 24" high. ✓  
All ventilators fitted with efficient closing appliances. ✓

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

On Freeboard deck 2 - 3" diam goosenecks 3'6" high to F. Peak tank.  
4 - 3 1/2" diam. " 3'6" " " Ford. Ballast tanks.  
4 - 3" diam. " 3'6" " " d.b. tanks in holds.  
8 - 3 1/2" diam. " 3'6" " " O.F. side tanks.  
2 - 3 1/2" diam. " 3'6" " " A. Peak tank.  
All pipes of steel substantially constructed. ✓  
Pipes to O.F. tanks fitted with gauze covers. ✓  
All fitted with wood plugs and canvas covers. ✓

Particulars of Gangway Cargo and Coaling Ports :-

none ✓

Particulars of Scuppers and Sanitary Discharge Pipes :-

2 - 3" and 1 - 3 1/4" diam. each side of after housing, led from below the freeboard deck, of cast steel and provided with two automatic non-return valves. ✓

Particulars of Side Scuttles :-

14 each side of lower accommodation below the freeboard deck, 12" diameter, all fitted with efficient inside deadlights, hinged to their positions.  
All of substantial construction. ✓

Vertical distance of Sill of lowest Side Scuttle above top of keel 23' 6" ✓

Particulars of Guard Rails :-

Raised bulwark, ford., 3' 6" high.  
Remainder rails 3'6" high, 3 rails, stanchions spaced 4'6" apart. ✓

Particulars of Gangways, Lifelines, etc. :-

Lifelines fitted from ford. side of machinery deck house to ford. companionways. ✓

## 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 ... ..   |                   |                   |                       |                  |                |                     |
| 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 :-

Additional area where sheer is less than standard.



# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

| HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.                                 |   |                       |                                   |                    |                      |                                    |                      |                      |  |  |  |  |
|--|---|-----------------------|-----------------------------------|--------------------|----------------------|------------------------------------|----------------------|----------------------|--|--|--|--|
| Description of Hatchway  |   |                       | 2.                                | 3                  | 4                    | 5                                  | Total.               |                      |  |  |  |  |
| Dimensions of Hatchway   |   |                       | 48'x12'                           | 32'x12'            | 26'x14'              | 8' x 10'                           | 8'x12'               |                      |  |  |  |  |
| COAMINGS   | { | Height above Deck     | 24"✓                              | 24"✓               | 24"✓                 | 24"✓                               | 42"✓                 |                      |  |  |  |  |
|  |   | Thickness {           | Sides                             | 7/16"              | 7/16"                | 7/16"                              | 7/16"                | 7/16"                |  |  |  |  |
|  |   |                       | Ends                              | 7"x4"x 1/2"BA.     | as 1✓                | as 1✓                              | as N <sup>o</sup> 1✓ | as N <sup>o</sup> 1✓ |  |  |  |  |
|  |   | Stiffeners            | 7/16" plates.✓                    | as 1✓              | as 1✓                | as N <sup>o</sup> 1✓               | as N <sup>o</sup> 1✓ |                      |  |  |  |  |
| HATCH BEAMS  | { | Number                | 11                                | 7                  | 5                    | 4                                  | one                  |                      |  |  |  |  |
|  |   | Spacing               | 4'0"                              | 4'0"               | 5' 2"                | 4' 0"                              | 4' 0"                |                      |  |  |  |  |
|  |   | Scantling and Sketch  | plates 16x3/8<br>Angles 4x4x3/8 ✓ | as 1✓              | as N <sup>o</sup> 1✓ | plate 12"x3/8"<br>angles 3x3x7/16✓ | as N <sup>o</sup> 1✓ |                      |  |  |  |  |
|  |   | Bearing Surface       | 3"                                | 3"✓                | 3"✓                  | 3"✓                                | 3"✓                  |                      |  |  |  |  |
| FORE AND AFTERS  | { | Number                |                                   |                    |                      |                                    |                      |                      |  |  |  |  |
|  |   | Spacing               |                                   |                    |                      |                                    |                      |                      |  |  |  |  |
|  |   | Unsupported Lengths   |                                   |                    |                      |                                    |                      |                      |  |  |  |  |
|  |   | Scantling* and Sketch | - N O N E ✓                       |                    |                      |                                    |                      |                      |  |  |  |  |
| HATCH COVERS   | { | Material              |                                   | Paranha Pine.✓     |                      |                                    |                      |                      |  |  |  |  |
|  |   | Thickness             |                                   | all 2 1/2"✓        |                      |                                    |                      |                      |  |  |  |  |
|  |   | How fitted            |                                   | all fore and aft.✓ |                      |                                    |                      |                      |  |  |  |  |
|  |   | Bearing Surface       |                                   | all 3"✓            |                      |                                    |                      |                      |  |  |  |  |
| Spacing of Cleats  |   |                       |                                   | all 24"✓           |                      |                                    |                      |                      |  |  |  |  |
| Number of Tarpaulins...  |   |                       |                                   | all - three ✓      |                      |                                    |                      |                      |  |  |  |  |
| *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 ✓                |   |                       |                                   |                    |                      |                                    |                      |                      |  |  |  |  |

Particulars of any special features:—

N<sup>o</sup>2 and N<sup>o</sup>3 Lower Hatch beams 19" x 3/8" plate with 4"x4"x7/16" double angles.  
 (Hatch widths decreased from sister vessels - but owners desired to maintain same scantlings for beams) ✓

N<sup>o</sup>1 is an additional ~~to~~ hatch to those on sister vessels. ✓

*W Caldwell*

