

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.—STEAM SHIPS.PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH
TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR
WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS
CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.Port of Survey Belfast
Date of Survey Building
Name of Surveyor S.O. KendallHarland and Wolff No 506Ship's Name "OROYA" Port of Registry and Nationality Liverpool British. Official Number 147202 Gross Tonnage 1923 Date of Build. 1923 Particulars of Classification. +100A.1. Shelter Deck with Freeboard (contemplated).

| Registered dimensions from Ship's Register. | LENGTH. | BREADTH. | DEPTH. | UNDER DECK TONNAGE. SUEZ. |
|---|---------|---------------------------|--|---|
| | 525.3 | 62.85 | 40.65 | 10579.52 |
| Length on LOADLINE. | 525 | Frame Depth 8 Rule " 8 | No Ceiling +.20 Sheer +.14 Yank Rises 6" | Peak Tanks } Includ. Cruiser stern -90 tons |
| CORRECTED DIMENSIONS. | 525 | 62.85 | 40.99 | 10489.52 |

Co-efficient of fineness..... .78
Any modification necessary [Para. 4 (a) to (e)]* Surz tonnage used.
Co-efficient as corrected78Sheer { Stem..... 87 } 123 ÷ 2 = 61.5 ... Mean 36 1/2
at { Sternpost ... 36 }
Sheer at 1/4 of the length from { Stem 48 } 63 ÷ 2 = 31.5 ... Mean
{ Sternpost 15 } ÷ 55 = 57.27
Gradual mean Sheer 57.27
Standard mean Sheer [Table, Para. 18] 62.5 Correction
Difference..... 5.23 ÷ 4 = 1.31
§ If limited as Para. 18 (f) + 1 1/4 *Rise in Sheer { At front of bridge house.....
from amidships {
[Para. 18 (e)] { At after end of forecastleFall in Sheer { 2 1/2" ÷ 2 = 1 1/4"
Para. 18 (d) {
Length uncovered Covered by Bridge Correction ✓

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 12'-11" less 3'-3" 9'-8"
Correction for Length, if required (Para. 12, 13, and 14) ✓

Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) 13'-0 1/4

Difference..... 3'-4 1/4
Percentage as below..... 30%Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) 12.07
Allowance for Deck Erections -1'-0"

| | Length. | Length allowed. | Height. |
|----------------------|------------|-----------------|---------|
| Forecastle..... | 54.5 | 54.5 | 8'-6" |
| Bridge House | 217.5 | 213.08 | 8'-6" |
| + Raised Qr. Dk..... | ✓ | ✓ | |
| Poop..... | ✓ | ✓ | |
| Total | 272.0 = 52 | 267.58 = 51 | |
| Length of Ship | 525 | 525 | |

Corresponding percentage (Para. 11, 12, 13, or 14) Limited 30%

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck:—

| | | |
|----------------------------|----------------------|-----|
| Fresh Water Line | above centre of Disc | ... |
| Indian Summer Line | " " " | ... |
| Winter Line | below " " " | ... |
| Winter North Atlantic Line | " " " | ... |

* If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.
† In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidships beam.
§ In flush-decked vessels the total standard mean sheer means the sheer measured at the stern and stern-post. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and stern-post.

Two additional marks are to be placed on the vessel's sides corresponding to the loadlines approved by the Board of Trade for the condition when more than 12 passengers are being carried in— 12'-6 1/4" below centre of disc and 2'-2 1/4" below centre of disc respectively, as shown on attached sketch. 3-4 1/2 Rec'd. 11. 9. 23

Moulded Depth as measured..... 43'-9"

Addition for Keel below base line for draught record..... 3 1/4" inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 525
Length in Table 525
Difference ✓Correction for 10ft., Table A. Table C.
× Difference divided by 10 (if required.)
If 1/10ths length covered divide by 2 ✓

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered

Thickness of usual wood deck, less stringer 3 1/2"
Wood sheathing where exposed. 2" Litosilo in Accn. -1 1/2"

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 62'-6"
Round of Beam 12"
Normal round..... 15'-62
Difference 3 62 ÷ 2 = 1.81
Proportion of Deck uncovered (Para. 19) 48 868 + 1 *Freeboard, Table A 12'-11"
Correction for Sheer + 1 1/4
13'-0 1/4

Correction for Length ✓

Allowance for Deck Erections 1-0
12'-0 1/4Correction for Round of Beam..... + 1
12'-1 1/4Correction for fall in Sheer (if any)..... ✓
2" Litosilo on Steel Deck in Bridge
Correction for Iron Deck (if required) - 1 1/2
11'-11 3/4

Additions for non-compliance with provisions of Para. 11 (d) and (e) † ✓

Other Corrections (if any) ✓

Winter Freeboard 11'-11 3/4"
Summer Freeboard 8 1/2 11'-3 1/4
Indian Summer Freeboard 10'-6 3/4
N.A. Winter Freeboard ✓Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the 2" Litosilo on Steel Deck with side. 1 1/4Winter Freeboard from deck line 12'-1"
Summer " " " 11'-4 1/2"
Indian Summer " " " 10'-8"Above 2" Litosilo on Steel Shelter " " 11'-4 1/2" As Cargo Steamer only
N.A. Winter " " " 8"
Wood (Iron) Deck " " " 8 1/2"

Winter " " " " 8 1/2"

Indian Summer " " " " 8 1/2"

MARKING FORM

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Do all the Frames extend to the top height in the Poop? _____ Raised Quarter Deck? _____ Bridge House? _____ Forecastle? _____
To what height do the Reverse Frames extend? _____
Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? _____
Give particulars of the means for closing the openings in Bulkhead _____
Is the Poop or Raised Quarter Deck connected with the Bridge House? _____ Has the Bridge House an efficient Bulkhead at the fore end? _____
Give particulars of the means for closing the openings in Bulkhead _____
What is the thickness of the Bridge Front plating? _____ and Coaming plate? _____
Give scantlings and spacing of the Stiffeners _____
Are bracket plates fitted at each end of the Stiffeners? _____ Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? _____
Has the Bridge House an efficient Iron Bulkhead at the after end? _____
How are the openings closed? _____
Is the Forecastle at least as high as the main or top-gallant rail? _____ Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? _____
Are the Engine and Boiler openings covered by a Bridge, Poop, Raised }
Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? }
If the openings are not so protected are the exposed parts of the Casings efficiently constructed? _____
Give thickness of plating; scantlings and spacing of Stiffeners _____
What is the height of the exposed Casings? _____ Are suitable means provided for closing all openings in them in bad weather? _____
Are the Weather Deck Hatchways efficiently constructed and at least equal to the }
requirements of Section 28 of the Rules for 1904-5? Give particulars below:— }

| Position and Size. | | Ship. | | Rule. | | Ship. | | Rule. | | Ship. | | Rule. | | Ship. | | Rule. | |
|-------------------------------|------------------------------|------------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|
| Item. | | Ship. | | Rule. | | Ship. | | Rule. | | Ship. | | Rule. | | Ship. | | Rule. | |
| COAMING. | Height above top of DECK | | | | | | | | | | | | | | | | |
| | Thickness { | Sides..... | | | | | | | | | | | | | | | |
| | | Ends..... | | | | | | | | | | | | | | | |
| SHIFTING BEAMS OR WEB PLATES. | Number | | | | | | | | | | | | | | | | |
| | Section and Scantlings | | | | | | | | | | | | | | | | |
| | Material | | | | | | | | | | | | | | | | |
| * FORE AND AFTERS. | Number | | | | | | | | | | | | | | | | |
| | Section and Scantlings | | | | | | | | | | | | | | | | |
| | Material | | | | | | | | | | | | | | | | |
| HATCHES Thickness | | | | | | | | | | | | | | | | | |
| Remarks..... | | | | | | | | | | | | | | | | | |

* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

(If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.

What is the thickness of the Bridge Sheerstrake? _____ Strake between Main and Bridge Sheerstrakes? _____

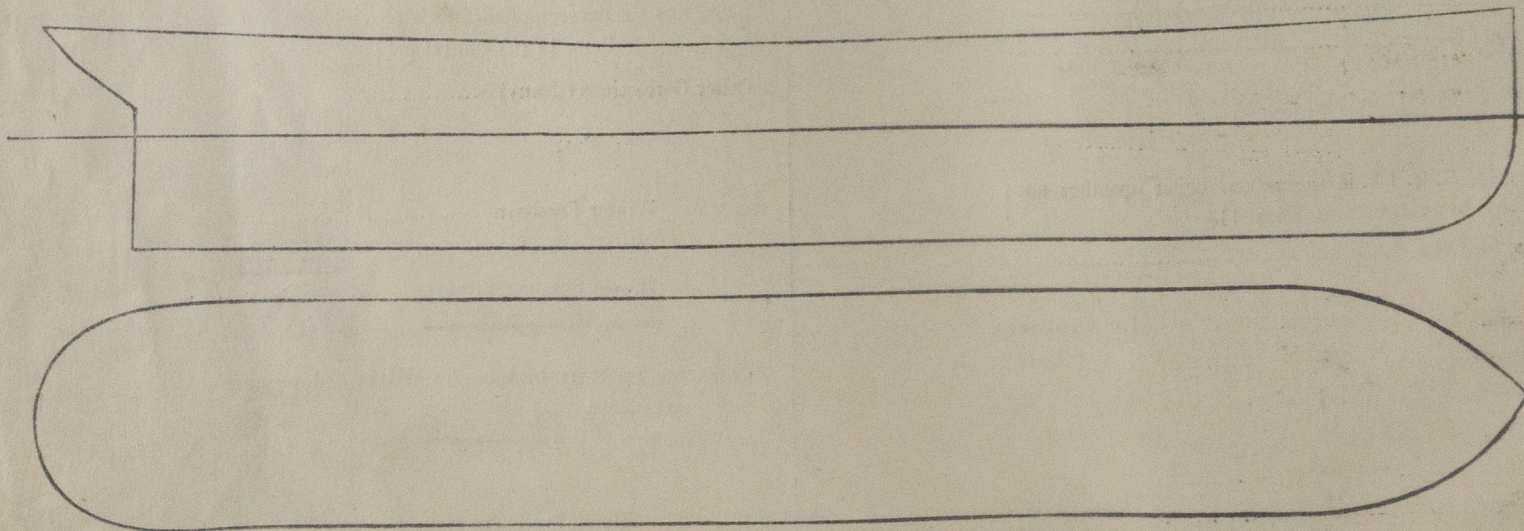
Delete the words } The Crew are, are not, berthed in the bridge house.
that do not apply } The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well _____

Area of Freeing Ports required by Para. 11 (e) each side of vessel = _____ Sq. ft.

| | | | | | |
|------------|------------|-----|--|---|---------|
| Ft. Tenth. | Ft. Tenth. | No. | } Freeing Ports (each side of vessel) | = | Sq. ft. |
| x | x | x | | | |
| x | x | x | | | |

Total deficiency or excess = _____ Sq. ft.



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel _____

Builder's name and yard number _____

Names of sister vessels _____

Owners _____

Address _____

Fee £ _____

Received by me _____



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