

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

FRID 10 1920

Ref No 2908

PARTICULARS IN RESPECT OF STEAM SHIPS HAVING SPAR OR AWNING DECKS.

Port of Survey Kobe  
Date of Survey 14 April 1920  
Name of Surveyor A. Watt

Kawasaki Dockyard Co. No. 499

| Ship's Name.            | Port of Registry and Nationality. | Official Number. | Gross Tonnage. | Date of Build. | Particulars of Classification.       |
|-------------------------|-----------------------------------|------------------|----------------|----------------|--------------------------------------|
| "INDIA MARU"            | <u>Kobe</u>                       | <u>26813</u>     | <u>5872.89</u> | <u>1920</u>    | <b>100A1 AWNING DECK RECOMMENDED</b> |
| Number in Register Book |                                   |                  |                |                |                                      |

| Registered Dimensions from Ship's Register. | LENGTH.       | BREADTH.  | DEPTH.                                 | UNDER DECK Tonnage.     |
|---|---------------|---|--|-------------------------|
|   | <u>385'-0</u> | <u>51'-0</u><br><i>51.25</i>                        | <u>25'-6</u>                           | <u>4195</u>             |
| Length on LOADLINE                          | <u>384'-6</u> | Frame Depth <u>9</u><br>Rule " <u>6</u><br><u>3</u> | Ceiling <u>+20</u><br>Sheer <u>+88</u> | Peak Tanks <u>Incl.</u> |
| CORRECTED DIMENSIONS.                       | <u>384'-6</u> | <u>50'-50</u><br><i>= .50</i>                       | <u>26'-68</u>                          | <u>4195</u>             |

Co-efficient of fineness ..... .81

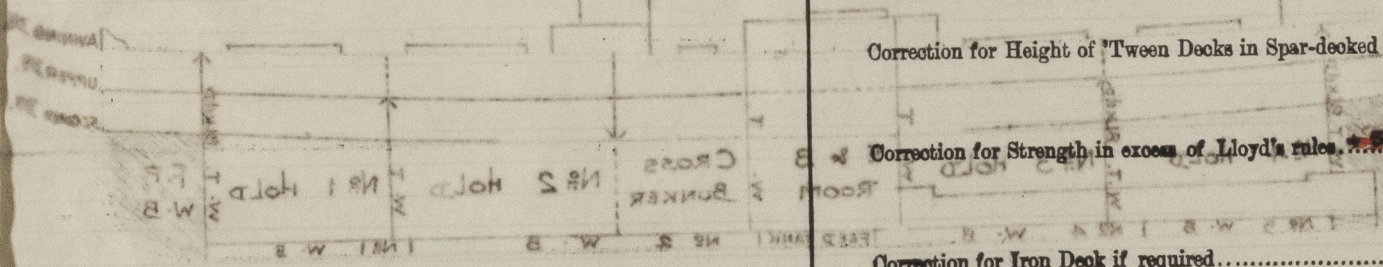
Any modification necessary [Para. 4 (a) to (c)]

Co-efficient as corrected ..... .79

Allowance for strength in excess of Lloyd's rules = 24"

State particulars

*3 Steel decks strengthened top plates deep bulk angle framing webs in tween decks*



Sheer at Stem ..... 1 1/2 at length from Stem ..... 61  
Sternpost ..... 50 " " Sternpost ..... 27  
Drop in Sheer abaft amidships ..... 0

Round of Spar-deck Beam ..... 12 3/4"  
" " Main-deck " ..... 12 3/4"

Length x Height. State if open or closed at ends.  
Forecastle .....  
Bridge .....  
Poop .....

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 | "                    |  |

NOTE.—All vessels equal in strength to Lloyd's Spar-decked rule, or which, although in excess of that rule, do not come up to Lloyd's requirements for Ships of full scantlings to the upper deck, are to be considered as Spar-decked Ships, the freeboard for which will vary with their strength.  
All vessels equal in strength to Lloyd's Awning-decked rule, or which, although in excess of that rule, do not come up to Lloyd's requirements for a Spar-decked Vessel, are to be considered as Awning-decked Ships, the freeboard for which will vary with their strength.  
\* If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.

Moulded Depth as measured ..... 28'-0 Main Deck.  
" " " ..... 36'-0 Spar Awning Deck.

CORRECTION FOR LENGTH:  
Length of Ship on Load Line ..... 384'-6  
Length in Table ..... 336'-0

Difference ..... 48'-6

Correction for 10ft. .... 1'-4  
x Difference ÷ 10 = 3'-4

Height of 'Tween Decks ..... 8'-0  
(From top of beam to top of beam at side)  
Correction for Height of 'Tween Decks in Spar-decked Ships .....

Freeboard Table B or C ..... 3'-8 1/2"  
Correction for Length ..... + 3 1/2"  
3'-11 1/4"

Correction for Height of 'Tween Decks in Spar-decked Ships .....

Correction for Strength in excess of Lloyd's rules ..... 2'-0"  
1'-11 1/4"

Correction for Iron Deck if required ..... - 3 1/2"  
Other Corrections (if any) Measured From Awning Deck ..... + 8'-0"

Winter Freeboard ..... 9'-8 1/4"  
Summer Freeboard ..... 9'-1 3/4"  
Indian Summer Freeboard ..... 8'-7 1/4"  
N.A. Winter Freeboard .....

Correction necessary because clearside amidships measured in accordance with the Statute is not taken at intersection of the wood or iron deck with side ..... + 1 3/4"

Winter Freeboard from Deck Line ..... 8'-10 3/4"  
Summer " " ..... 8'-9"  
Indian Summer " " .....  
N.A. Winter " " .....

9'-3 1/2"  
7"  
6 1/2"  
6 1/2"



Do all the Frames extend to the top Height in the Spar deck? ☒ Awning deck? yes

Do all the Frames extend to the top height in the Poop? ☒ Bridge House? ☒ Forecastle? ☒

To what height do the Reverse Frames extend? Main B. A. frames to Upper Deck alternately + intern. frames to awning dk.

Has the Poop an efficient Iron Bulkhead at the fore end? ☒

Give particulars of the means for closing the openings in Bulkhead

Is the Poop 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? ☒ 99A. 0.11

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, or enclosed by a Strong Iron or Steel Deckhouse? Steel Deck houses on awning Deck

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 ☒

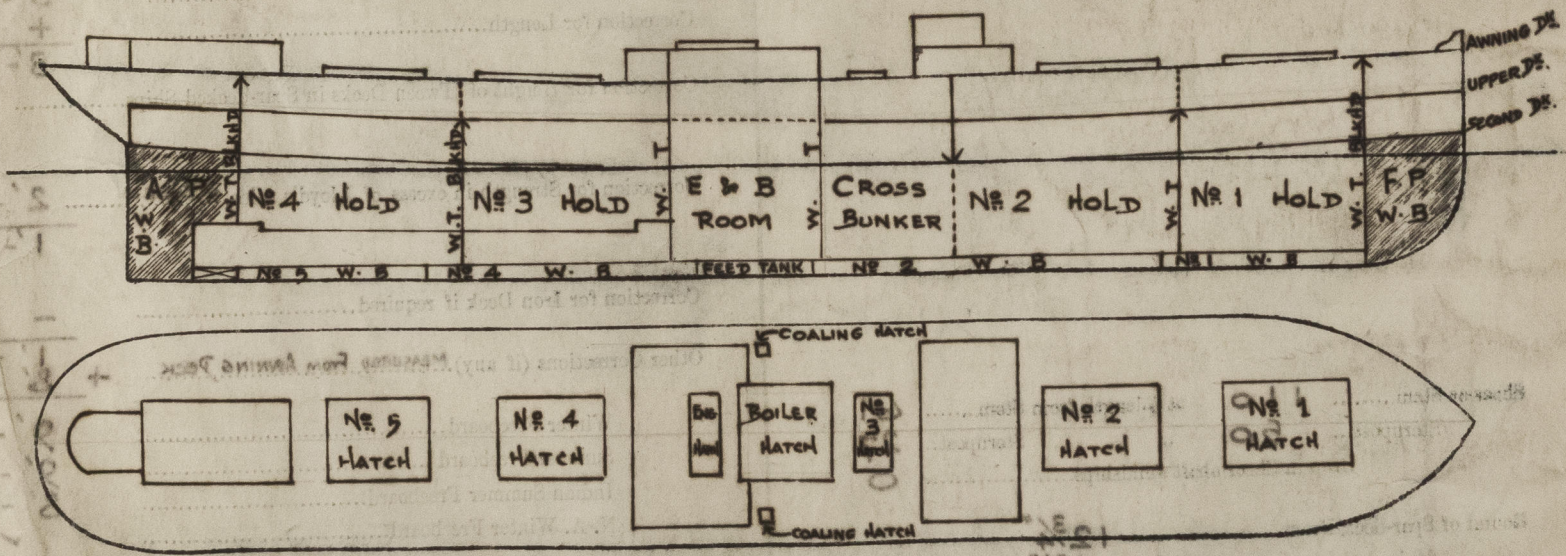
What is the height of the exposed Casings? ☒ Are suitable means provided for closing all openings in them in bad weather? ☒

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.           |                              | No. 1 27'-7 1/2" x 18'-0"                         |          | No. 2 31'-10 1/2" x 18'-0" |          | No. 3 12'-9" x 16'-0" |                | No. 4 31'-10 1/2" x 18'-0" |       | No. 5 27'-7 1/2" x 18'-0" |       |
|------------------------------|------------------------------|---|----------|----------------------------|----------|-----------------------|----------------|----------------------------|-------|---------------------------|-------|
| Item.                        |                              | Ship.   | Rule.    | Ship.                      | Rule.    | Ship.                 | Rule.          | Ship.                      | Rule. | Ship.                     | Rule. |
| COAMING                      | Height above top of DECK     | 24  | 24       |                            |          |                       |                |                            |       |                           |       |
|                              | Sides.....                   | 44  | 44       | Same as No. 1              |          | Same as No. 1         |                | Same as No. 1              |       | Same as No. 1             |       |
|                              | Thickness {                  | 44  | 44       |                            |          |                       |                |                            |       |                           |       |
| SHIFTING BEAMS OR WEB PLATES | Number .....                 | 5   | 5        | 6                          | 6        | 2                     | 2              | 6                          | 6     | 5                         | 5     |
|                              | Section and Scantlings ..... | 18" x 36  | 14" x 34 | 18" x 36                   | 14" x 34 | 16" x 32              | 12" x 32       | Same as No. 1              |       | Same as No. 1             |       |
|                              | Material .....               | 2A 4x3x44   | 4x3x44   | 2A 4x3x44                  | 4x3x44   | 2A 3 1/2 x 3 1/2 x 42 | 3 1/2 x 3 x 42 | Same as No. 1              |       | Same as No. 1             |       |
| FORE AND AFTERS              | Number .....                 | 2.84  |          |                            |          |                       |                |                            |       |                           |       |
|                              | Section and Scantlings ..... |   |          |                            |          |                       |                |                            |       |                           |       |
|                              | Material .....               |   |          |                            |          |                       |                |                            |       |                           |       |
| HATCHES Thickness .....      |                              | 3   | 3        | 3                          | 3        | 3                     | 3              | 3                          | 3     | 3                         | 3     |
| Remarks.....                 |                              | all coamings stiffened by horizontal bulk angles. |          |                            |          |                       |                |                            |       |                           |       |

\* When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.

(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.)



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. The first Entry Report is forwarded.

The Freeboard recommended + marked is the same as assigned to the sister vessel S/s "Argonne" (Kobe Report No. 1941) London letter Febr 18<sup>th</sup> 1916. assignment letter March 13<sup>th</sup>, 1916.

Verification form is enclosed.

Owners The Kawasaki Dockyard Co. Ltd.

Address Kobe

Fee 140

Received by me 5 July 1920



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