

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 Kobe
Date of Survey While Building
Name of Surveyor H. Buchanan

Ships Name TACHIBANA MARU
Number in Register Book 27806

Port of Registry and Nationality. OH Japanese

Official Number. 27806

Gross Tonnage. 6543.43

Date of Build. 1921-6

Particulars of Classification. 100A.1 "Carrying Petroleum in Bulk"

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	420.0	54.0	32.4 actual	5678.84
Length on LOADLINE.		Frame Depth 9 Rule " 7	Ceiling + 20 Sheer - 17	Peak Incl. Tanks
		= - 33		ENG. ROOM TANKS 90.00
CORRECTED DIMENSIONS.	420.0	54.0	32.43	5768.84

Co-efficient of fineness..... .784
Any modification necessary {
[Para. 4 (a) to (e)]* }
Co-efficient as corrected78

Moulded Depth as measured..... 33'-0"

Addition for Keel below base line for draught record.....inches.

NOTE.— If the depth is measured when vessel is afloat, the details of measurement should be reported.

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 420.0
Length in Table 396.0
Difference 24.0
Correction for 10ft., Table A. 1.6 Table C. .8
× Difference divided by 10 3.84 (if required.) 1.92
If $\frac{1}{10}$ ths length covered divide by 2 + 3.4 + 2"

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered4458
Thickness of usual wood deck, less stringer 3.24 - 1.2"

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 54.0
Round of Beam 13.2
Normal round..... 13.2
Difference ✓ $\div 2 =$
Proportion of Deck uncovered (Para. 19) ✓

NOTE.— The round of beam should be reported on the full breadth of vessel at the gunwale.

ER HEIGHTS	36.622
57.4 Sheer { Stem.....95.0 } 152.25 ÷ 2 = 76.125...Mean	.17
21 at { Sternpost...57.25 }	
2 Sheer at $\frac{1}{2}$ of the length from { Stem 31.5 } 52.5 ÷ 2 = 26.25...Mean	
0 Sternpost 21.0	
0 Gradual mean Sheer <u>PLATTED</u> <u>45.78</u>	
0 Standard mean Sheer [Table, Para. 18] <u>52.00</u> Correction	
3 Difference..... <u>6.22</u> ÷ 4 = <u>1.55</u>	
31.2 § If limited as Para. 18 (f) <u>+ 1.2"</u>	
95	

Rise in Sheer { At front of bridge house.....
from amidships } ✓
[Para. 18 (e)] { At after end of forecastle

¶ Fall in Sheer }
Para. 18 (d) } ÷ 2 = ✓
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C..... 5' - 8.4"
Correction for Length, if required (Para. 12, 13, and 14) + 2"
5' - 10.4"
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) } 9' - 4.4 3/4"
Difference 3' - 8.5 3/4"
Percentage as below..... 28.2%

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } 11.84
Allowance for Deck Erections - 11.3 1/4"

	Length.	Length allowed.	Height.
Forecastle.....	34.0	34.0 ✓	7'-6"
Bridge House	36.0	36.0 ✓	8'-0"
† Raised Qr. Dk.....	✓	✓	✓
Poop.....	117.3	117.25 ✓	8'-0"
Total		187.25 ✓	
Length of Ship	420.0		= 44.58 ✓
Corresponding percentage { (Para. 12, 13, and 14) } <u>28.2%</u> ✓			

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

28.2-22
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 amidship beam.
§ In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern-post. In vessels having poops and forecastles, it means the sheer measured at points distant $\frac{1}{10}$ th of the vessel's length from stem and stern-post.

Freeboard, Table A 8' - 10.2"
Correction for Sheer + 1.2"
9' - 0"
Correction for Length + 3.4"
9' - 3.4"
Allowance for Deck Erections - 11.3 1/4"
8' - 4"
Correction for Round of Beam..... ✓
Correction for fall in Sheer (if any)..... ✓
Correction for Iron Deck (if required) - 1.2"
8' - 2.2"
Additions for non-compliance with provisions of {
Para. 11 (d) and (e) † } ✓
Other Corrections (if any) ✓

Winter Freeboard 8' - 2.2"
Summer Freeboard 7' - 8.2"
Indian Summer Freeboard 7' - 2.2"
✓

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or iron deck with side. 1.3"

Winter Freeboard from deck line 8' - 4.4"
Summer " " " 7' - 10.4"
Indian Summer " " " 7' - 4.4"
✓

† State dimensions of freeing port area on back of this form.
† The Surveyor should state whether the fall in sheer as reported is measured relatively to the straight line of keel or to the water line. If measured relatively to water line the vessel's draft at time of survey, and also the usual load draft forward and aft should be reported.

MARKING REPORT
12-10-22

008/68-008/76-0138

Do all the Frames extend to the top height in the Poop Long Framing Raised Quarter Deck? ☒ Bridge House Long Framing Forecastle Long Framing.

To what height do the Reverse Frames extend? ☒

Has the Poop ~~or Raised Quarter~~ Deck an efficient Iron Bulkhead at the fore end? yes

Give particulars of the means for closing the openings in Bulkhead Two hinged steel water tight doors 60" x 39"

Is the Poop ~~or Raised Quarter~~ Deck connected with the Bridge House? no Has the Bridge House an efficient Bulkhead at the fore end? yes

Give particulars of the means for closing the openings in Bulkhead Two hinged steel water tight doors 60" x 39"

What is the thickness of the Bridge Front plating? .42 and Coaming plate? .50

Give scantlings and spacing of the Stiffeners 10 1/2 x 3 1/2 x .56 Bulb angles spaced 39" apart

Are bracket plates fitted at each end of the Stiffeners? yes Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? yes

Has the Bridge House an efficient Iron Bulkhead at the after end? yes

How are the openings closed? Storm boards, full height

Is the Forecastle at least as high as the main or top-gallant rail? yes Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? steel Bhd.

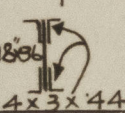
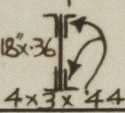
Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? Poop deck

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.		Cargo Hatch - FORWARD		Cargo Hatch - POOP DECK							
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	24"	24"	18"	18"						
	Thickness { Sides.....	.44	.44	.46	.46						
	{ Ends.....	.44	.44	.46	.46						
WEATHER DECK WEB PLATES.	Number	1	1	1	1						
	Section and Scantlings		as approved		as approved						
	Material.....	STEEL		STEEL							
* FORE AND AFTERS.	Number										
	Section and Scantlings										
	Material										
HATCHES Thickness		3"	3"	3"	3"						
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? _____

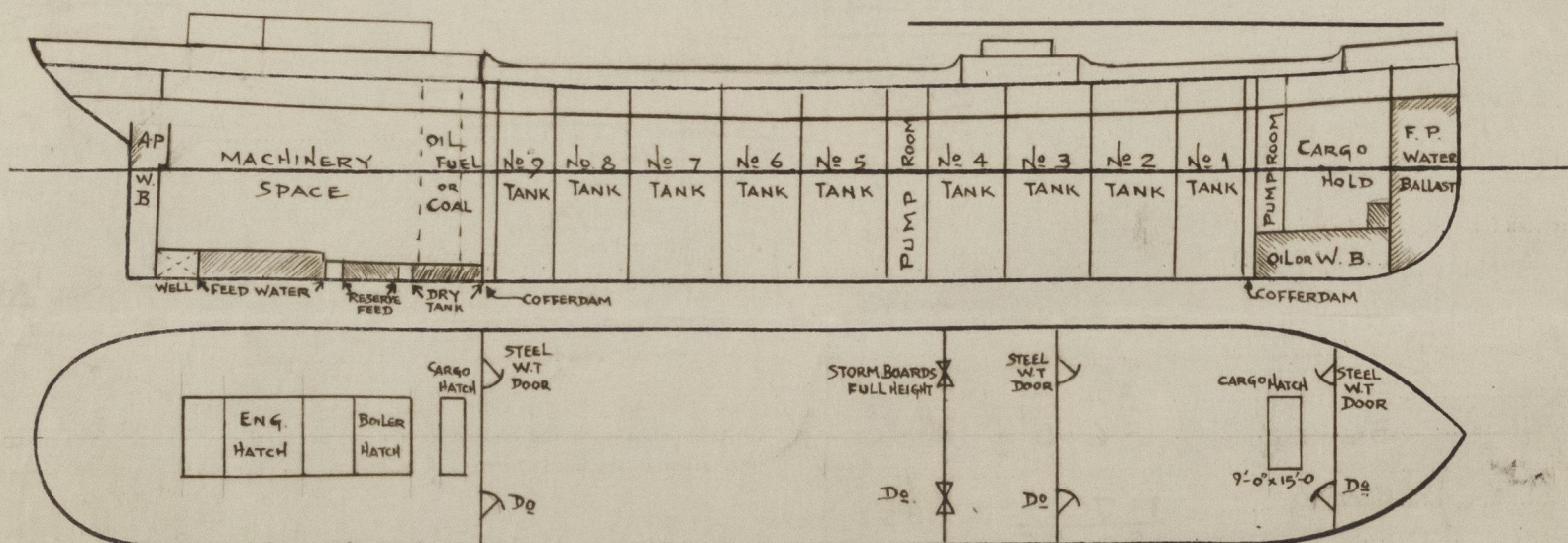
Delete the words { The Crew are, are not, berthed in the bridge house.
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well _____

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

Ft.	Tenths.	Ft.	Tenths.	No.	} Freeing Ports (each side of vessel) =	= _____ Sq. ft.
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 _____

See Kobe letter of 18th Jan. 1922.

Owners _____

„ Address _____

Fee £ _____

Received by me _____



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