

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

331

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 **YOKOHAMA**
 Date of Survey **WHILE BUILDING**
 Name of Surveyor **Alex Ewing**

Ship's Name KOKI MARU	Port of Registry and Nationality. ATAMIMACHI JAPAN	Official Number. 28114	Gross Tonnage. 5693.74	Date of Build. 1921-5	Particulars of Classification. 100 AI CONTEMPLATED
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Registered dimensions from Register.	LENGTH. 388	BREADTH. 53-33	DEPTH. 29.46 <i>29.46 tank</i>	UNDER DECK TONNAGE. 4926.59
Length on PLANE.	388	Frame Depth Rule 53-33	Ceiling ONLY 29-12	Peak Tanks } INCLUDED
RECTED DIMENSIONS.	388	52-75	29-10	4926.59

Moulded Depth as measured..... **32-0** *32-0*
 Addition for Keel below base line for draught record..... inches. **2"** *2"*

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	388	
Length in Table	384	
Difference	+4	
Correction for 10ft., Table A.	1.6	Table C. -8
× Difference divided by 10	+0.64	(if required.) +0.32
If $\frac{1}{10}$ ths length covered divide by 2	+0.32	+0.16

efficient of fineness..... **0.81** *0.80*
 modification necessary [Para. 4 (a) to (e)]* **CEL DB 0.02**
 efficient as corrected **0.79** *0.78*

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered	47.05%
Thickness of usual wood deck, less stringer	3 1/2" <i>1 3/4"</i>

er {Stem..... **91** } **132 ÷ 2 = 66** Mean **65.46**
 {Sternpost... **41** } **48.8**
 er at $\frac{1}{2}$ of the length from {Stem **52** } **72 ÷ 2 = 36** Mean **65.46**
 {Sternpost **20** } **36**
 dual mean Sheer **65.46**
 andard mean Sheer [Table, Para. 18] **48.8** Correction
 Difference..... **16.66 ÷ 4 = 4.16**
 If limited as Para. 18 (f) **-4.16**

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	52-11"
Round of Beam	13 3/4
Normal round.....	13.23
Difference	0.27
Proportion of Deck uncovered (Para. 19)	✓

rise in Sheer {At front of bridge house..... ✓ }
 {At after end of forecastle ✓ }

Freeboard, Table A	8'-6" 5/8"
Correction for Sheer	- 4/4"
Correction for Length	+ 3/4"
Allowance for Deck Erections	- 10 1/2"
Correction for Round of Beam.....	7'-1" 5/8"

Fall in Sheer {Para. 18 (d) } **✓ ÷ 2 =**
 ngth uncovered **NO Correction**
BRIDGE FITTED

Correction for fall in Sheer (if any).....	✓
Correction for Iron Deck (if required)	- 1 3/4"
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	7'-2 1/4" <i>1 3/4"</i>
Other Corrections (if any)	

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C.....	5'-3"
Correction for Length, if required (Para. 12, 13, and 14)	+ 0 3/4"
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14)	8'-2"
Difference	2' 10 3/4"
Percentage as below.....	29.9% <i>30%</i>
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)	10 1/2"
Allowance for Deck Erections	10 1/2"

Winter Freeboard	7'-1 3/4" <i>7'-2 1/4"</i>
Summer Freeboard	6-8 <i>6'-8 1/4"</i>
Indian Summer Freeboard	5'26-2 1/4 <i>6'-2 3/4"</i>
N. A. Winter Freeboard	

Forecastle.....	Length. 33'-10"	Length allowed. 33'-10"	Height. 7'-9"
Bridge House.....	117'-2"	117'-2"	7'-9"
Raised Qr. Dk.....	✓	✓	✓
Op.....	31'-6"	31'-6"	7'-9"
Total		182-6	= .47

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

Length of Ship **388-0**
 Corresponding percentage (Para. 11, 12, 13, or 14) **29.9%**

Winter Freeboard from deck line	7'-4" 3/8"
Summer " " " "	6'-10" 9/16"
Indian Summer " " " "	6'-4 1/2"
N. A. Winter " " " "	

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

Fresh Water Line above centre of Disc	6'-9 1/2"
Indian Summer Line " " " "	6 1/2"
Winter Line below " " " "	5 1/2"
Winter North Atlantic Line " " " "	6"

Winter Freeboard from deck line	7'-4" 3/8"
Summer " " " "	6'-10" 9/16"
Indian Summer " " " "	6'-4 1/2"
N. A. Winter " " " "	

† 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 sternpost. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and sternpost.

† 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.

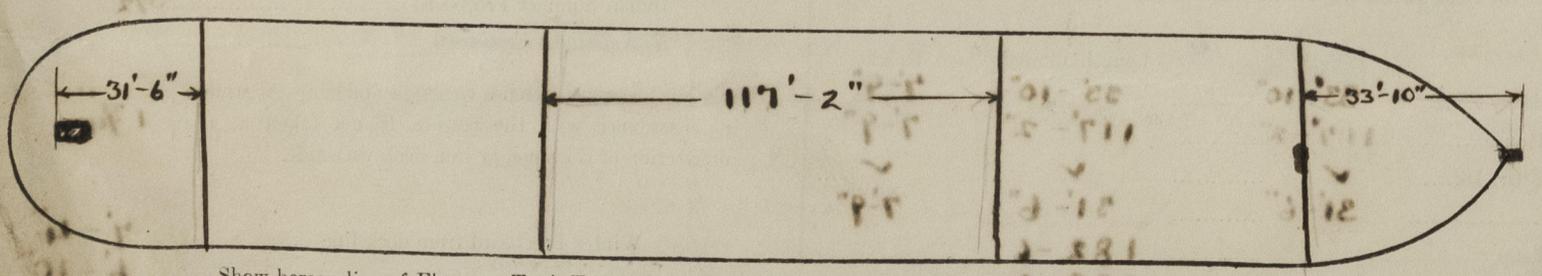
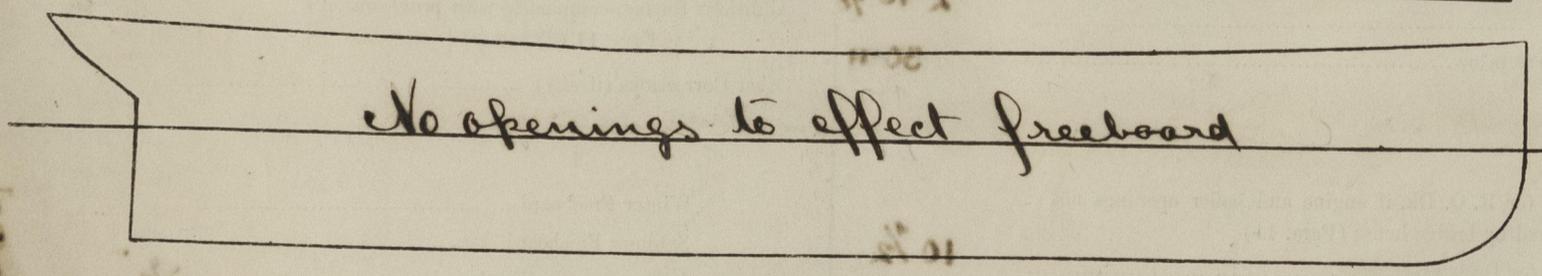
Do all the Frames extend to the top height in the Poop? **ALTERNATE** Raised Quarter Deck? Bridge House? **ALTERNATE** Forecastle? **ALTE**
 To what height do the Reverse Frames extend? **BULB ANGLES & CHANNELS**
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? **YES**
 Give particulars of the means for closing the openings in Bulkhead **STEEL DOORS**
 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 **STEEL DOORS**
 What is the thickness of the Bridge Front plating? **.44** and Coaming plate?
 Give scantlings and spacing of the Stiffeners **9" x 3 1/2" x .64 33" SPACING**
 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? **STEEL DOORS**
 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? **YES**
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? **COVERED BY BRIDGE**
 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:— **YES**

Position and Size.	No. 1. 26'-6" x 19'-0"		No. 2. 35'-4" x 19'-0"		No. 3. 11'-0 1/2" x 19'-0"		No. 4. 30'-11" x 19'-0"		No. 5. 30'-11" x 19'-0"	
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	30"	30"	30"	30"	30"	30"	30"	30"	30"
	Thickness	Sides.....	.50"	.50"	.40"	.50"	.50"	.50"	.50"	.50"
		Ends.....	.44"	.44"	.44"	.44"	.44"	.44"	.44"	.44"
SHIFTING BEAMS OR WEB PLATES.	Number.....	5	6	2	5	5	5	5	5	
	Section and Scantlings.....	18x11x38	18x11x38	15x38	18x11x38	18x11x38	18x11x38	18x11x38	18x11x38	
	Material.....	4x3x.44.15 STEEL	4x3x.44.15 STEEL	4x3x.44.15 STEEL	4x3x.44.15 STEEL	4x3x.44.15 STEEL	4x3x.44.15 STEEL	4x3x.44.15 STEEL	4x3x.44.15 STEEL	
* FORE AND AFTERS.	Number.....	/	/	/	/	/	/	/	/	
	Section and Scantlings.....	/	/	/	/	/	/	/	/	
	Material.....	/	/	/	/	/	/	/	/	
HATCHES Thickness.....	2 1/2"	3"	2 1/2"	3"	3"	3"	3"	3"	3"	
Remarks.....	HORIZONTAL STIFFENERS OF COAMINGS 9" x 3" x .44 BULB ANGLES									

* 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.
 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

Owners **HASHIMOTO KISEN KAISHA**
 Address **KOBE**

Preliminary
 Ishikawajima Harima

Fee **Gen 150.00**

Received by me **4-6-21**