

Lloyd's Register of British & Foreign 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 Middlesbrough  
Date of Survey While Building  
Name of Surveyor Roman E. TurnbullShip's Name "Jokkasan Maru" Port of Registry Miki Official Number ✓ Gross Tonnage ✓ Date of Build. 1911 Particulars of Classification +100 A.1. contemplated

	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
From stem to stern.	275.5	42.3	18.15 <i>to ceiling</i>	1733.07
Frame Depth 8"			Ceiling 20	Peak included
Rule " 5"	274.5		Sheer + 65.66	Tanks above
Double bottom			3" in 9"	Double bottom
Allow 4" 33			2" = +37.5	Depth in 10.25
	274.5	41.9780	19.755	1743.32
			19.38	1738.32

Moulded Depth as measured 20' 7"

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	274.5	
Length in Table	247.0	
Difference	27.5	
Correction for 10ft., Table A.	1.2	
× Difference divided by 10	3.30	
If 10ths length covered divide by 2	+3 3/4	
Table C.	-6	
(if required.)	1.65	
	+ 1 1/2 " 13/4	

## CORRECTION FOR IRON DECK.

Proportion covered, if less than 10ths length covered	425.43	
Thickness of usual wood deck, less stringer	3 1/2	
	- 1 1/2	

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships	41.6 1/2	
Round of Beam	10 1/2	
Normal round	10 3/8	
Difference	1/8 ÷ 2 =	1/16
Proportion of Deck uncovered (Para. 19)	57.8	

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

nt of fineness..... 790.78

ification necessary } bell D. B 02

nt as corrected ..... 770.76

em. 94. } 118.75 ÷ 2 = 59.375 Mean

of the length from } Stem 55.5 } 67.25 ÷ 2 = 33.625 Mean

mean Sheer ..... 60.25

mean Sheer [Table, Para. 18] 37.45

Difference ..... 22.80

d as Para. 18 (f).....

Correction  
÷ 4 = 5.7  
- 5 3/4sheer { At front of bridge house.....  
ships {  
(e) { At after end of forecastle .....

sheer { 1" ÷ 2 = 1/2"

covered .....

Correction

## ALLOWANCE FOR DECK ERECTIONS:—

Table C.....	1.566	
Length, if required (Para. 12, 13, and 14) .....	+ 1.7 1/4	
Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) .....	3.10 1/4	
as below.....	2.3 1/4	
	26.65	

for R. Q. Dk. if engine and boiler openings not  
d by bridge house (Para. 11) ✓

for Deck Erections ..... 7.19 say - 7"

Length.	Length allowed.	Height.
4' 6" wing + 28' 4 1/2"	29.36	8' 0"
6' overhang + 14' 11 1/2"	15.58	8' 6"
Dk.....		
72' 10 1/2"	72.87	8' 0"
	116.82	
	274.5	

Length of Ship ..... 274.5 = 425.43

Corresponding percentage  
(Para. H, 12, 13, or 14) } 26.65

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 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 one eighth of the vessel's length from stem and stern-post.State dimensions of freeing port area on back of this form.  
The Surveyor should state whether the fall in sheer as reported is measured line of keel or to the water line. If measured relatively to water line 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? *Yes* Raised Quarter Deck? *✓* Bridge House *Yes* Forecastle? *Yes*

To what height do the Reverse Frames extend? *Upper Deck in Aft Peak - Main + 1st Deck alternately in Fore Peak*

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 *Weather boards full height in channels permanently attached to Bulkhead*

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 *no openings at fore end*

What is the thickness of the Bridge Front plating? *3/16* and Coaming plate? *no coaming*

Give scantlings and spacing of the Stiffeners *5 1/2 x 3 x 40 B.A and two webs 18 x 36 placed 24" to 30" 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? *Wood doors to accommodation at after end.*

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?~~ *Yes*

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? *Yes*

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:— *As approved*

Position and Size.		No. 1 24'9" x 27'8" 6 18-10		No. 2 27'6" x 28-0		No. 3 27-6 x 28-0		No. 4 27-6 x 28-0			
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	3'-6"	As	3'-6"	As	3'-6"	As	3'-6"	As		
	Thickness { Sides.....	.50	Approved	.50	Approved	.50	Approved	.50	Approved		
	Ends.....	.40		.40		.40		.40			
SHIFTING BEAMS OR WEB PLATES.	Number .....	Three		Two		Two		Four			
	Section and Scantlings .....	6x3x40 B.A	"	4x3 1/2 x 50	"	As No. 2	"	As No. 1	"		
	Material .....	Steel		Steel							
* FORE AND AFTERS.	Number .....	Nil		Nil		Nil		Nil			
	Section and Scantlings .....		"		"		"		"		
	Material .....										
HATCHES Thickness .....		3 1/2"	"	.35 Steel	"	.35 Steel	"	3"	"		
Remarks.....											

\* 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.)

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?*

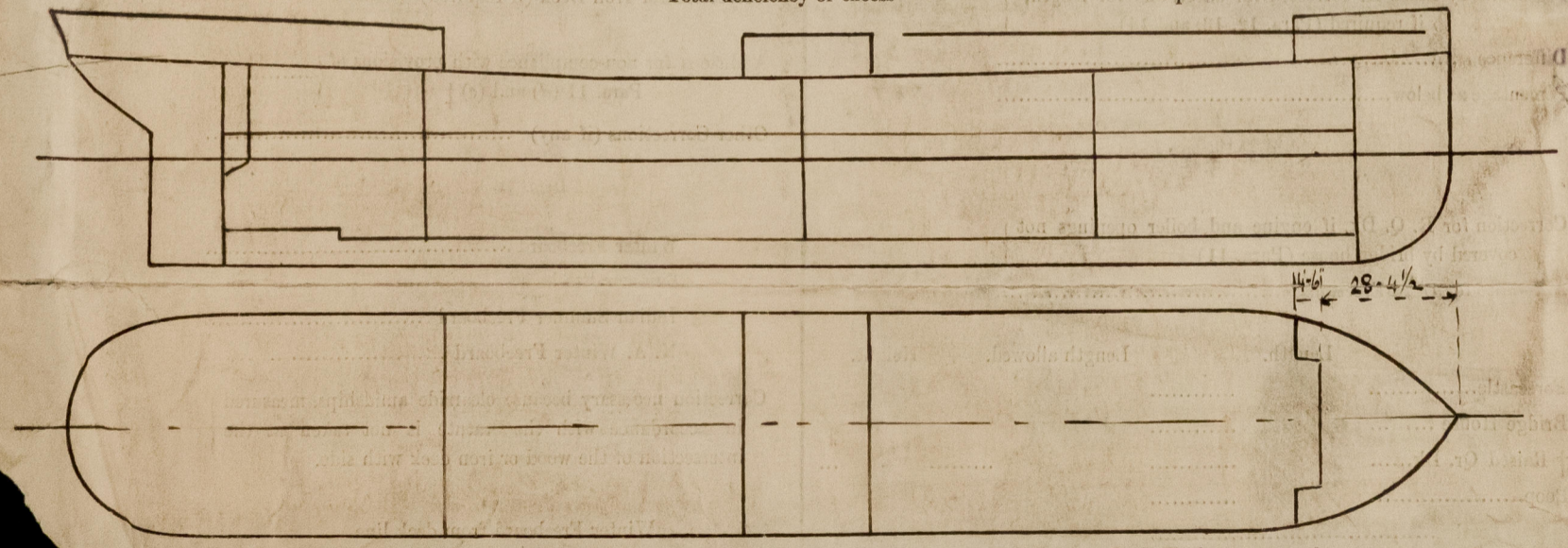
Delete the words { The Crew are, are not, berthed in the bridge house.  
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

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.

Special features in the construction of the Vessel *Steel screw steamer, topside tanks, cellular*

*as per plans herewith.*

*By R. Dixon 16: LK*  
*Middlesbrough-on-Tees*

Received by me *✓*