

maid 27191

MONDAY 13 1919 Index No. 28256 (For London Office only.)

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

CLASSES RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH 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 Osaka  
Date of Survey July 1919  
Name of Surveyor A. Jones + S. J. Barton

Osaka Iron Works No 960 S/S  
TOKO MARU

Ship's Name. <u>(ex) Keinan maru</u>	Port of Registry and Nationality. <u>Mitsugahama Japanese</u>	Official Number. <u>24975</u>	Gross Tonnage. <u>R/NF 436 2/3 tons</u>	Date of Build. <u>1919-84</u>	Particulars of Classification. <u>+100 A' Awaiting deck Reconm'd</u>
---	--	----------------------------------	--	----------------------------------	---

Registered dimensions from Ship's Register	LENGTH. <u>345</u>	BREADTH. <u>49.8 met. 50.0 ft.</u>	DEPTH. <u>25.8 w inner bot.</u>	UNDER DECK TONNAGE. <u>3676</u>
		<u>Frame Depth 8</u>	<u>Ceiling +20</u>	<u>Peak</u>
		<u>Rule " 5 1/2</u>	<u>Sheer 1' 26</u>	<u>Tanks</u>
		<u>42</u>		
	<u>345.0</u>	<u>49.58</u>	<u>29.26</u>	<u>3676</u>

Moulded Depth as measured..... 28' 2"  
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.....	<u>345</u>
Length in Table .....	<u>338</u>
Difference .....	<u>7</u>
Correction for 10ft., Table A. ....	<u>1.43</u>
× Difference divided by 10 .....	<u>1.00</u>
If 7/10ths length covered divide by 2 .....	<u>+1</u>
Table C. (if required.)	<u>7</u>
	<u>49</u>
	<u>+ 1/2</u>

### CORRECTION FOR IRON DECK.

Proportion covered, if less than 7/10ths length covered .....	<u>.472</u>
Thickness of usual wood deck, less stringer .....	<u>3 1/2 - 3" = -1 1/4</u>

### CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>48</u>
Round of Beam .....	<u>12</u>
Normal round.....	<u>12</u>
Difference .....	<u>✓ ÷ 2 =</u>
Proportion of Deck uncovered (Para. 19) .....	

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

of fineness..... .79  
ation necessary (a) to (e)]\* -02 073  
as corrected ..... 77

120 } 180 ÷ 2 = 90 ... Mean  
60 }  
the length from { Stem 66  
Sternpost 33 } 99 ÷ 2 = 49 1/2 ... Mean  
n Sheer ..... 90 ÷ 55 = 90  
an Sheer [Table, Para. 18] ..... 44.5 Correction  
Difference..... 45.5 ÷ 4 = -11 1/2  
as Para. 18 (f) .....

At front of bridge house.....  
hips }  
At after end of forecastle .....  
At front of bridge house.....  
hips }  
At after end of forecastle .....  
÷ 2 = ✓  
Correction

### ALLOWANCE FOR DECK ERECTIONS:—

Table C.....	<u>3' 8 1/2"</u>
r Length, if required (Para. 12, 13, and 14) .....	<u>+ 1/2</u>
Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) .....	<u>3' 9"</u>
below.....	<u>5' 11 1/2"</u>
	<u>2' 2 1/2"</u>
	<u>30.9</u>
	<u>7.96</u>
R. Q. Dk. if engine and boiler openings not by bridge house (Para. 11) .....	<u>-8</u>

Length.	Length allowed.	Height.
<u>34' 0"</u>	<u>34' 0"</u>	<u>8' 0"</u>
<u>99' 0"</u>	<u>99' 0"</u>	<u>8' 0"</u>
<u>30' 0"</u>	<u>30' 0"</u>	<u>8' 0"</u>
	<u>163.0</u>	
	<u>345.0</u>	
	<u>= .472</u>	

ARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck?—	
Fresh Water Line above centre of Disc .....	<u>6"</u>
Indian Summer Line " " " .....	<u>4 1/2"</u>
Winter Line below " " " .....	<u>5"</u>
Winter North Atlantic Line " " " .....	<u>5"</u>

Freeboard, Table A .....	<u>6' 10"</u>
Correction for Sheer .....	<u>-11 1/2"</u>
Correction for Length .....	<u>5' 10 1/2"</u>
Allowance for Deck Erections .....	<u>+1</u>
Correction for Round of Beam.....	<u>5' 11 1/2"</u>
Correction for fall in Sheer (if any).....	<u>-8</u>
Correction for Iron Deck (if required) .....	<u>5' 3 1/2"</u>
Additions for non-compliance with provisions of Para. 11 (a) and (e) † .....	<u>-1 3/4</u>
Other Corrections (if any) .....	

Winter Freeboard .....	<u>5' 13 3/4"</u>
Summer Freeboard .....	<u>4' 9"</u>
Indian Summer Freeboard .....	<u>4' 11 1/4"</u>
N. A. Winter Freeboard .....	
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.	<u>+1 3/4"</u>

Winter Freeboard from deck line .....	<u>5' 3 1/2"</u>
Summer " " " .....	<u>4' 10 3/4"</u>
Indian Summer " " " .....	<u>4' 6"</u>
N. A. Winter " " " .....	
Winter Freeboard from deck line .....	<u>4' 10 1/2"</u>
Summer " " " .....	<u>6"</u>
Indian Summer " " " .....	<u>4 1/2"</u>
N. A. Winter " " " .....	<u>5"</u>

† 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.



