

With or Without

# STEEL STEAMER.

## Disconnected Erections.

State if Report is also sent on the Machinery of the Vessel *Yes.*

Received at London Office

WEL. APR. 21 1919

Date of completion of report *December 30th 1919.*

Port of *Kobe: Japan.*

No. *2701.*

Survey held at

*Toba: Ise: Japan.* Date, First Survey *August 21st*

Last Survey *December 4th* 1919.

On the (State if Single, Twin, or Triple Screw)

*STEEL SINGLE SCREW STEAMER SAGA MARU* Rig *Two masts*

TONNAGE under

CLASS *100A.1.*

FEET.

Master *N. FUNIMI*

Year of appointment

(1) As Master in service of owner of present vessel: 191  
(2) As Master of this vessel: 191

Tonnage Deck...

Do. between Tonnage Dk. and 3rd and 4th Dk.

Total under Upper Dk. *1928.54*

Do. of Poop. *22.00*

Do. of R.Q.Dk. *73.55*

Do. of Bridge House *44.28*

Do. of Forecastle *17.47*

Do. of Houses on Dk. *26.57*

Do. of excess of Hatchways

Do. above Crown of

Engine Room ..

Gross Tonnage *2113.41*

Less Crew Space *118.92*

Less above Crown of

Engine Room ..

TONNAGE FOR FEES: ..

ess Engine Room *573.46*

ess Navigation Spaces *32.10*

BALLAST TANKS *55.82*

Register Tonnage *1432.12*

as cut on Beam

Breadth (greatest moulded) *41.0*

Depth, at middle of length from top of keel to top of upper deck beams at side *24.0*

Transverse Number *65.0*

Length on deck from fore part of stem to after part of stern post *275.0*

Longitudinal Number *17875.0*

Depth "d," at middle of length (See Secs. 2 & 13) *11.46*

Proportions—Depths to Length—Upper Deck Beam at side to top of keel

" " Long Bridge Deck Beam at side to top of keel

Destined Voyage

If Surveyed while Building, Afloat, or in Dry Dock *Yes.*

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH Moulded	Feet.	Inches.	DEPTH, ACTUAL	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
	275	0		41	0		24	0	ONE	ONE

Dimensions of Ship per Register, Length *275.0* breadth *41.0* depth *24.0* Moulded depth, ft. *31* ins. *9* To Bridge Dk. Round of Upper Dk. Beam, Actual *10* ins.

FRAMING.						PILLARS.					
ALTERNATELY TO UPPER BRIDGES						PILLARS In 'tween Deck, size and spacing					
FRAME, Angles, or Bars amidships	9	3 1/2	50	9	3 1/2	50	"	"	Hold	"	"
Do. in peaks	6	3	40	6	3	38	"	"	Quarter 'tween Dks.,	"	"
INTERMEDIATE FRAMES	3 1/2	3 1/2	425	3 1/2	3 1/2	40	"	"	in Hold	"	"
Do. in way of Double Bottoms at Solid Floors	3	3	375	3	3	34	Wide spaced pillars as per approved plan				
" " at intermdt. Bkts.	5	3	375	5	3	36					
Spacing of Frames from centre to centre amidships			24			24					
" " " " from #			24			24					
" " " " length to Collision bulkhead											
" " " " in peaks..											
REVERSED FRAME, Angles											
Do. in way of Double Bottoms at Solid Floors	3	3	375	3	3	34					
" " at intermdt. Bkts.	5	3	375	5	3	36					
FRAMING, depth of girder											
FLOORS, depth and thickness of Floor Plate at mid-line for # length amidships											
" in way of Engine and Boiler Spaces											
" thickness at the ends of vessel											
" depth at 1/2 the half breadth, as per Rule											
" height extended at the Bilges											
FLOORS in Cell. Double Bottoms			34	44		34	44				
" state if flanged (top & bottom)			No	No		No	No				
" Spacing of Solid floors			24	24		24	24				
CENTRE GIRDER, in Dbl. bottom, dpth. & thknss			36	44		36	44				
" Angles, Top	5	5	528	5	5	528	528				
" " Bottom	6	6	64	6	6	64	64				
" " to Floors	5	5	448	5	5	448	448				
" Brackets at intermdt. frmng., wdth & thknss	3	3	34	3	3	34	34				
SIDE GIRDERS, number on each side & thickness	3	3	448	3	3	448	448				
" state if flanged (top and bottom)	No	No	428	No	No	428	428				
" Angles (top and bottom)	3	3	34	3	3	34	34				
" to Floors	3	3	448	3	3	448	448				
MARGIN PLATE, depth (exclusive of flange) and thickness	29	29	38	29	38	38	38				
" Angle to Outside Plating	3 1/2	3 1/2	38	3 1/2	38	38	38				
" Floors	5	5	448	5	5	448	448				
" Brackets at intermdt. frmng., wdth & thknss	3	3	34	3	3	34	34				
" Height of Outside Brackets above at bilge	24	24	448	24	448	448	448				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	36	36	42	36	42	42	42				
" in Engine and Boiler space			408			408	408				
" Remainder in Holds			38			38	38				
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	6	3	40	6	3	40	40				
" In way of Long Bridge											
" Spacing	24	24		24		24	24				
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel											
" Spacing											
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel											
" Angles on upper edge											
" Spacing											
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7	3	44	7	3	44	44				
" Angles on upper edge											
" Spacing	48	48		48		48	48				
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	5 1/2	3	40	5 1/2	3	40	40				
" Angles on upper edge											
" Spacing	24	24		24		24	24				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3 1/2	44	8	3 1/2	44	44				
" Angles on upper edge											
" Spacing	48	48		48		48	48				
						KEELSONS & STRINGERS.					
						CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate					
						" Rider Plate					
						" Flat Plate Keel Angles					
						" Horizontal Plates on Floors					
						" Angles or Bulb Angles					
						SIDE KEELSONS, Number					
						" Angles or Bulb Angles					
						" Plate above floors, for length					
						" Intercoastal Plate, for length					
						" Attached to outside Plating with Angle					
						BILGE KEELSON, Angles					
						" Intercoastal Plate for length					
						" Attached to outside Plating with Angle					
						SIDE STRINGERS, Number					
						" Angle					
						" Intercoastal Plate, for FULL length					
						" Attached to outside plating with Angle					
						Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)					
						" " " " br'dth & thickness (in way of Bridge)					
						" " " " Angle (clear of Bridge)					
						" " " " Tie Plate at sides of Hatchways					
						" Deck * Iron or Steel, for FULL lng.					
						" " " " Thickness (clear of Bridge)					
						" " " " (in way of Bridge)					
						" Wood Deck. Material & thickness					
						Second Deck Stringer Plate, br'dth & thickness					
						" Angles on ditto, No.					
						" Tie Plates outside Hatchways					
						" Deck * Iron or Steel, for lng.					
						" Wood Deck. Material & thickness					
						Third Deck Stringer Plate, br'dth & thickness					
						" Angles on ditto, No.					
						" Tie Plates, outside Hatchways					
						" Deck * Material and thickness					
						Fourth and Fifth Deck Stringer Plate, br'dth & thickness					
						" Angles on ditto, No.					
						" Tie Plates outside Hatchways					
						" Deck. Material & thickness					
						Poop Deck Stringer Plate, breadth & thickness					
						" Angle on ditto					
						" Tie Plates					
						" Deck. Material and thickness					
						Bridge Deck Stringer Plate, br'dth & thickness					
						" Angle on ditto					
						" Tie Plates					
						" Deck. Material and thickness					
						Forecastle Deck Stringer Plate, br'dth & th kns					
						" Angle on ditto					
						" Tie Plates					
						" Deck. Material and thickness					
						SHEATHED WITH 3" O.P.					
						If Iron or Steel Deck, state if whole or part, and if Wood Deck in full thickness					



[illegible]

VESSEL										ANCHORS										TONNAGE U. D. K. OR PLATING No. FOR TRAWLERS									
Number of Certificate		Anchors		WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			WEIGHT REQUIRED BY TABLE 31			Description of Anchor			Makers			Where and when tested and Superintendent							
Cwts. qrs. lbs.		Cwts. qrs. lbs.		Tons. cwt. qrs. lbs.			Tons. cwt. qrs. lbs.			Tons. cwt. qrs. lbs.			Tons. cwt. qrs. lbs.			Tons. cwt. qrs. lbs.			Tons. cwt. qrs. lbs.			Tons. cwt. qrs. lbs.							
470	1st Bower	39	0	9	35	0	3	21	38	3	0	38	3	0	Hall type	Kobe Steel Works	Kobe	2/19	2	Walt									
471	2nd "	38	3	15	"	"	"	"	35	0	3	21	38	3	0	"	"	"	"	"	"	"							
472	3rd "	33	3	18	"	"	"	"	31	10	2	14	33	3	0	"	"	"	"	"	"	"							
	4th "																												
	Collective weight	111	3	14									110	0	0														
578	Stream	10	1	14	2	3	0	12	6	2	7	10	0	0	Admiralty	"	"	"	20/10/19	"	"	"							
579	Kedge	5	0	20	1	1	9	7	9	2	21	6	0	0	"	"	"	"	"	"	"	"							
Particulars of Drop Test of Cast Steel Anchors, viz. :- Weight, Surveyor's Initials, Number of Certificate, Date of Test.																													
1st Bower 22.5 - 8 lbs A.L.J. 470 4/19/19 2nd " 22.0 - 11 A.L.J. 471 26/3/19 3rd " 19.0 - 22 A.L.J. 472 18/1/19 4th "																													
CHAIN CABLES										HAWSEERS AND WARPS																			
Number of Certificate		Length and size supplied		Test per Certificate		WEIGHT OF CHAIN CABLE		Length and size supplied		Description		Makers of Cables		Where and when tested, and Superintendent		Material		Length and size supplied		Breaking Test of Steel Wire		Length and size per Table 31							
Length. Diam.		Tons. cwt. qrs. lbs.		Tons. cwt. qrs. lbs.		Tons. cwt. qrs. lbs.		Tons. cwt. qrs. lbs.		Tons. cwt. qrs. lbs.		Tons. cwt. qrs. lbs.		Tons. cwt. qrs. lbs.		Tons. cwt. qrs. lbs.		Tons. cwt. qrs. lbs.		Tons. cwt. qrs. lbs.		Tons. cwt. qrs. lbs.							
870	243	1 1/2	8 1/2	24	442.3	28	442.3	28	442.3	28	442.3	28	442.3	28	442.3	28	442.3	28	442.3	28	442.3	28	442.3						
Boats TWO: LIFE 27.0 x 8.5 x 3.6 Pumps, Number TENMA: ONE. Mountain Windlass is Steam: Matsushima S. Works Osaka Engine Room Skylights. - How constructed? Steel plates angles Coal Bunker Openings. - How constructed? Steel plates angles Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. Scuppers 19 Freeing Ports, each side Ceiling in Holds, thickness and material 2 1/2" Oregon pine Cargo Hatchways. - How formed? Steel plates angles State size No. 1 Hatch (Forward) 24'0" x 16'0" No. 2 Hatch 24'0" x 16'0" No. 3 Hatch 24'0" x 16'0" No. 4 Hatch 20'0" x 16'0" Number of Web Plates, Stringers, &c., properly shifted and staggered 4 to each Hatch Buttresses, height above deck and description 3'6", 1/2" steel plates & B.A. straps 6 x 3 x 40 The foregoing is a correct description THE TEIKOKU STEAMSHIP CO., LTD. Builder's Signature (here only) Surveyor's Signature Arnold Bennett. Correspondence. - State dates and initials of letters respecting this case. (Reference should be made in any correspondence connected with the case) M. LONDON Sep 11th 1919. Director Workmanship. Are the butts of plating planed or otherwise fitted? Yes Is the riveted work properly closed? Yes Are the liners between the frames and plates solid single pieces? Jagged frames to plate, &c., conform well to each other? Yes from the faying surfaces? Yes Are the butts of Plating, Stringers, &c., properly shifted and staggered? Yes Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Yes Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes General Remarks (State quality of workmanship, &c.) This vessel has been built under Special Survey & in accordance with the Rules, and the materials & workmanship have been found good. Photographs & original approved tracings of Midship Section Profile, Deck Plan, Stern Frame Rudder & Bulbheads of this vessel are being forwarded under separate cover. A preliminary Freeboard Report has been forwarded to New York office but official assignment has not yet been received. The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with F.E. Report showing vessel as built. The amount of Entry Fee YEN 50.00 Special Survey Fee YEN 1361.50 Travelling Expenses, if any YEN 212.50 State whether the Vessel has been built under Special Survey YEN 4,000.00 I am of opinion this Vessel should be Classed 100A.1. With, or without Freeboard, as condition of Class WITHOUT FREEBOARD Committee's Minute TUE APR 27 1920 Character assigned 100A.1 Certificate to be sent to Kobe: Japan Date of issue 27-4-20 Surveyor is Lloyd's Register of Shipping. Committee's Minute Character assigned TUE APR 27 1920 100A.1 H.C.P. L.M.C 12.19 F.S. © 2020 Lloyd's Register																													



GENERAL REMARKS—(continued).

Length of Poop 18.66 ft., B.D. ☒ ft., Bridge 64.0 ft., Forecastle 30.3 ft.  
 (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as long as should appear in the Register Book) 10K (std.)

Official No. 26447; Signal Letters B. T. N. S. State if Machinery is fitted aft No.

How are the surfaces preserved from oxidation? Inside Paint & Cement Outside Paint

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 18.66 ft., B.D. ☒ ft., Bridge 64.0 ft., Forecastle 30.3 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as long as should appear in the Register Book) 10K (std.)

Official No. 26447; Signal Letters B. T. N. S. State if Machinery is fitted aft No.

How are the surfaces preserved from oxidation? Inside Paint & Cement Outside Paint

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors Cellular

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>80.0</u>	<u>125.43</u>	Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		<u>60</u>
Double bottom, if under Engines only,	<u>22.0</u>	<u>53.00</u>	Deep tank, aft,		<u>109</u>
Double bottom, if under Boilers only,	<u>29.0</u>	<u>49.20</u>	Deep tank, forward,		
Double bottom, forward,	<u>116.0</u>	<u>223.94</u>	Other tanks, if fitted,		
	Total capacity of double bottom	<u>451.57</u>	(If necessary, furnish further information by sketch.)		

\* The wells are not to be included in the lengths of the tanks. 238

State whether the above have been tested as required by the Rules. Yes.

Order for Special Survey No.

Date

No. 58. in builder's yard.

DATES of Surveys held while building

1919. AUGUST 21. 23 SEPTEMBER 5, 20, 30. OCTOBER 13, 14, 20.  
NOVEMBER 1, 7, 14, 15, 24, 25. DECEMBER 4.

Total No. of Visits 15

Surveyor's Signature

Arnold Bennett.  
Lloyd's Register  
Foundation