

With or Without Disconnected Erections.

STEEL STEAMER.

FRI 22 AUG 1919

Received at London Office

State if Report is also sent on the Machinery of the Vessel

Date of completion of report 18-7-19
Survey held at Yokohama

Port of Yokohama
Date, First Survey 21st Feb'y

No. 2502
Last Survey 11th July 1919

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

Single Screw Steamer "Yakumo Maru"

Rig Schooner

TONNAGE under

CLASS 100A1

FEET.

Master

Tonnage Deck

Year of appointment

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

Breadth (greatest moulded) 43'-9"

Total under Upper Dk. 2675.32

Depth, at middle of length from top of keel to top of upper deck beams at side 27'-3"

Do. of Poop 68.26

Transverse Number 17

Do. of R.Q.Dk. 221.86

Length on deck from fore part of stem to after part of stern post 305

Do. of Bridge House 48.33

Longitudinal Number 21655

Do. of Houses on Dk. 108.47

Depth "d," at middle of length (See Secs. 2 & 18) 16'-6"

Do. of excess of Hatchways 24.60

Proportions—Depth to Length—Upper Deck Beam at side to top of keel 11.19

Do. above Crown of Engine Room 64.32

" Long Bridge Deck Beam at side to top of keel 8.77

Gross Tonnage 3206.22

Less Crew Space

Less above Crown of Engine Room

TONNAGE FOR FEES

Less Engine Room 1016.21

Less Navigation Spaces 234.83

Register Tonnage as cut on Beam 1955.78

Destined Voyage

If Surveyed while Building, Afloat, or in Dry Dock

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid
305	0	0	43	9	0	27	3	0	2
									No. of Tiers of Beams
									2

Dimensions of Ship per Register, Length 305 breadth 43'-9" depth 27'-3" Moulded depth, ft. 27 ins. 3 To Bridge Dk. Round of Upper Dk. Beam, Actual 11 ins.

FRAMING.				PILLARS.			
	Inches in Ship.	Inches in Ship.	Inches in Ship.		Inches in Ship.	Inches in Ship.	Inches in Ship.
FRAME, Angles, or Bars amidships	8x3x.56BA	do		PILLARS In 'tween Deck, size and spacing	See back report		
Do. in peaks	10x8x.56BA	do		" " Hold	" "		
Do. in way of Double Bottoms at Solid Floors	3x3x.36	do		" " Quarter 'tween Dks.,	" "		
" " at intermdt. Bkts.	x			" " in Hold	" "		
Spacing of Frames from centre to centre amidships	24			KEELSONS & STRINGERS.			
" " length to Collision bulkhead	24			CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	x		x
" " in peaks	24			" Rider Plate			
REVERSED FRAME, Angles	x			" Flat Plate Keel Angles			
Do. in way of Double Bottoms at Solid Floors	3x3x.36	do		" Horizontal Plates on Floors			
" " at intermdt. Bkts.	x			" Angles or Bulb Angles			
FRAMING, depth of girder	x			SIDE KEELSONS, Number			
FLOORS, depth and thickness of Floor Plate at mid-line for length amidships	x			" Angles or Bulb Angles			
" in way of Engine and Boiler Spaces	x			" Plate above floors, for length			
" thickness at the ends of vessel	x			" Intercoastal Plate, for length			
" depth at 1/2 the half breadth, as per Rule	x			" Attached to outside Plating with Angle			
" height extended at the Bilges	x			BILGE KEELSON, Angles			
FLOORS in Cell Double Bottoms	.34-44 BR	do		" Intercoastal Plate for length			
" state if flanged (top & bottom)	No			" Attached to outside Plating with Angle			
" Spacing of Solid floors	24			SIDE STRINGERS, Number			
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.	38.48 to 38.58BR	do		" Angle			
" Angles, Top Single	4x4x.56	do		" Intercoastal Plate, for length			
" " Bottom Single	6x6x.74	do		" Attached to outside plating with Angle			
" " to Floors	5x5x.5	do		Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	49x.52 to 40	do	
" Brackets at intermdt. frmg., wdth & thcknss	x			" " " br'dth & thickness (in way of Bridge)	49x.46	do	
SIDE GIRDERS, number on each side & thickness	1.34 to 44BR	do		" " Angle (clear of Bridge)	5x5x.50	do	
" state if flanged (top and bottom)	No			" Tie Plate at sides of Hatchways	x		
" Angles (top and bottom)	3x3x.36	do		" Deck * Iron or Steel, for full lng.	.3	do	
" " to Floors	3x3x.46BR	do		" Thickness (clear of Bridge)	.34 to .30	do	
MARGIN PLATE, depth (exclusive of flange) and thickness	30.40 .50BR	do		" " (in way of Bridge)	.34 to .30	do	
" Angle to Outside Plating	3x3x.4	do		" Wood Deck. Material & thickness	No		
" " Floors	3x3x.36	do		Second Deck Stringer Plate, br'dth & thickness	44x.40	do	
" Brackets at intermdt. frmg., wdth & thcknss	x			" Angles on ditto, No.	3x3x.42	do	
Height of Outside Brackets above at bilge	32			" Tie Plates outside Hatchways	x		
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	54 .44-.36	do		" Deck * Iron or Steel, for full lng.	.30	do	
" " in Engine and Boiler space	38 .44 .52BR	do		" Wood Deck. Material & thickness	No		
" " Remainder in Holds	.36 to .32	do		Third Deck Stringer Plate, br'dth & thickness	x		
BEAMS, Upper Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel	8 3x.38BA	do		" Angles on ditto, No.	x		
" In way of Long Bridge	x			" Tie Plates, outside Hatchways	x		
" Spacing Every frame	x			" Deck * Material and thickness	x		
BEAMS, Second Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel	8 3x.44BA	do		" Fourth and Fifth Deck Stringer Plate, breadth & thickness	x		
" Spacing Every frame	x			" Angles on ditto, No.	x		
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	x			" Tie Plates outside Hatchways	x		
" Angles on upper edge	x			" Deck. Material & thickness	x		
" Spacing	x			Poop Deck Stringer Plate, breadth & thickness	30x.32	do	
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8 3x.42BA	do		" Angle on ditto	3x3x.32	do	
" Angles on upper edge	x			" Tie Plates	x		
" Spacing Alternate frame	x			" Deck. Material and thickness steel	.30	do	
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7 3x.40BA	do		Bridge Deck Stringer Plate, br'dth & thickness	45x.48	do	
" Angles on upper edge	x			" Angle on ditto	5x5x.50	do	
" Spacing	x			" Tie Plates	x		
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8 3x.40BA	do		" Deck. Material and thickness .30 Steel No wood	x		
" Angles on upper edge	x			Forecastle Deck Stringer Plate, br'dth & th'kns	30x.32	do	
" Spacing	x			" Angle on ditto	3x3x.32	do	
				" Tie Plates	x		
				" Deck. Material and thickness 25 Steel Sheathed 2 1/2 O.P. do			

* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

W1330-0104 1/2

[illegible]

EQUIPMENT No.				LETTER				ANCHORS.				TONNAGE U.K. OR PLATING No.				FOR TRAWLERS											
Number of Certificate.		Anchors.		WEIGHT, E.E. STOCK		WEIGHT OF STOCK		TEST, PER CERTIFICATE.		WEIGHT REQUIRED BY TIDE SL.		Description of Anchor		Makers.		Where and when tested and Superintendent.											
				Cwts. qrs. lbs.		Cwts. qrs. lbs.		Tons. cwt. qrs. lbs.		Cwts. qrs. lbs.																	
389		1st Bower		45 3 1		✓		39 14 1 14		45		Stockless		Hall's		Kobe 20-6-18A.L.J.											
406		2nd "		45 2 4		✓		39 11 1 0		45		"		"		26-6-18A.L.J.											
387		3rd "		38 2 18		✓		34 17 3 7		38		"		"		21-6-18A.L.J.											
		4th "																									
		Collective weight.		129 3 23		✓				128																	
503		Stream		15 1 19		✓		16 16 2 7		15		"		"		22-8-18A.L.J.											
161		Kedge		7 0 21		✓		9 9 1 14		6 3 14		"		"		20-11-18 "											
Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.				1st Bower 26 - 3 - 9 A.L.J. 389, 28 - 2 - 18. 2nd " 27 - 0 - 26 A.L.J. 406, 12 - 2 - 18. 3rd " 23 - 0 - 4 A.L.J. 387, 12 - 2 - 18. 4th "																							
CHAIN CABLES.												HAWERS AND WARPS.															
Number of Certificate.		Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size per Table 31.		Description.		Makers of Cables.		Where and when tested, and Superintendent.		Material.		Length and Size supplied.		Breaking Test of Steel Wire Towline.		Length and Size per Table 31.					
		Length. Diam.		Statio- Break- tory. Ing.		Supplied. Per Rule.		Cwts. qrs. lbs. Cwts. qrs. lbs.		Fathoms. Ins.								Length. Cir.		Tons.		Fathoms. Ins.					
		Fathoms. Ins.		Tons. Cwts. qrs. lbs.		Cwts. qrs. lbs. Size. J. Lbs.												Fathoms. Ins.									
791		213 3 11 6		67 10 9 4 10 4 13 - 0 20		17 9		1 1 5		S Link		Osaka C.W.		Osaka 29-5-19 Y.J.		TOWLINE		100 4 1		49.3							
792		61 1 1 1		" " " "		116 - 2 - 17				Cir.		"		"		"		2 at 90 fms 6" Manila									
Iron Stream Chain or Steel Wire		90 4 1 1		55.5.														2 at 90 " 7" "									
Boats Three boats & one tender.				Steering Gear, Steam Yes				Steering Gear, Hand Yes																			
Pumps, Number One Downton				Diameter of Barrel 5 1/4				State whether they are in efficient working order Yes																			
Windlass is Steam driven				Capstan No																							
Engine Room Skylights.—How constructed? Steel coamings				What arrangements for deadlights in bad weather? S. Skylights.																							
Coal Bunker Openings.—How constructed? Steel				How are lids secured? Wood hatches				Height above deck? 18"																			
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 16 off 34 x 18, Scuppers 8 off 4 x 2 1/2, 4-4" pipe.				Cargo Battens, thickness and material O.P. 1 1/2.																							
Ceiling in Holds, thickness and material O.P. 2 1/2				Hatches, If strong and efficient? Yes																							
Cargo Hatchways.—How formed? Steel coamings & web plates				No. 1 Hatch (Forward) 24'-6"x16'-6" No. 2 Hatch 24'-6"x16'-6" No. 3 Hatch 24'-6"x16'-6" No. 4 Hatch 24'-6"x16'-6"																							
State size No. 1 Hatch				Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 4 Web plates.				No. of Breasthooks 4				No. of Crutches xx															
Bulwarks, height above deck and description 4'-0" Steel plate				Main Rail, material and size 6 x 3 x.38 B.A.																							
The foregoing is a correct description.				THE ISHIKAWAJIMA SHIP BUILDING AND ENGINEERING Co. Ltd. T. Yokohama				Surveyor's Signature Jas. Cairns				Surveyor to Lloyd's Register of Shipping.															
Builder's Signature (here only) T. Yokohama																											
Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)																31-5-17 M											
13-14, 6-17 M.																											
Workmanship. Are the butts of plating planed or otherwise fitted? Lapped & Planned																											
Is the riveted work properly closed? Yes																											
Are the liners between the frames and plates solid single pieces? Joggled frame																Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Yes											
Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? Yes																Do any rivets break into or through the seams or butts of the plating? No											
Are the butts of Plating, Stringers, &c., properly shifted and strapped? Yes																											
Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Yes																State results of tests Good											
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)?																State results of tests											
General Remarks (State quality of workmanship, &c.) This vessel has been built under special Survey in accordance with the approved plans, and the Society's Rules, the materials and workmanship are good.																											
The vessel being eligible in my opinion for record																100AI with date of build											
Duplicate vessels " Shinryu Maru " Report No.2398,																											
" Taizan Maru " Report No.2402,																											
" Genchu Maru " Report No.2417,																											
" Gezan Maru " Report No.2429,																											
" Yubae Maru " Report No.2486.																											
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 50.00																Fees applied for, 12-7-19 19											
Special Survey Fee 1566.00																Received by me, 14-7-19 19											
Travelling Expenses, if any 38.50																											
State whether the Vessel has been built under Special Survey Yes																100AI											
I am of opinion this Vessel should be Classed without																Jas. Cairns											
With, or without Freeboard, as condition of Class																Surveyor to Lloyd's Register of Shipping.											
Committee's Minute																FR:400.29.1010											
Character assigned 100AI																											
at 100AI																thru 7.19											
at 100AI																											
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at 100AI																											
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GENERAL REMARKS—(continued).

Pillars No. 1 lower hold 10 x 3½ x 3½ x.50 double C, 2 face plates 12 x.50 for full height of
 " " 1 " " 10 x 3½ x 3½ x.55 double C, 2 face plates 12 x.56 do
 " " 2 " " 12 x 3½ x 3½ x.50 double C, 2 face plates 13 x.70 do
 " " 2 " " 10 x 3½ x 3½ x.50 double C, 2 face plates 12 x.50 doubling plates same
 " " 2 " " 10 x 3½ x 3½ x.55 double C, 2 face plates 12 x.62 No. 1 hold do
 " " 3 " " 10 x 3½ x 3½ x.50 double C, 2 face plates 11 x.42 do
 " " 4 " " 12 x 3 7/16 x 7/16 x.44 do
 " " 4 " " 10 x 3½ x 3½ x.48 2 face plates 11 x.42 do
 " in tween deck 8 x 3½ x 3½ x.625 double C, to 8 x 3½ x 3½ x.50
 to 7 x 3½ x 3½ x.40 double C.

Name.	Mark.	Material.	Where made.	Where tested.	Surveyor's Mark.	Date.
Stern Frame	I S 27	C. S.	Kobe S. W.	Kobe	R. O. B.	9-8-18
Rudder Frame	I T 12	C. S.	Kobe S. W.	Kobe	R. O. B.	26-10-18
Rudder Head	X	F. S.	Ishikawajima	Tokyo	J. S. C.	3-3-19
Stem	I S 15, I S 21.	F. S.	Kobe S. W.	Kobe	A. L. J.	19-8-18.

Record for Register Book, Cell D B A 90' U E & B 39' F 133' 587 tons
 T P T 58 t, A P T 56 t.
 F K, 5 P H.

Vessel fitted with wireless.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 25 ft., R.Q.D. X ft., Bridge 91'11", Forecastle 29'7"
 (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated XX

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
 should appear in the Register Book) 2 Steel decks

Official No. ; Signal Letters State if Machinery is fitted aft No

How are the surfaces preserved from oxidation? Inside Double bottom to turn of bilge Outside paint.
 cement elsewhere 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,	90.00	171	Fore peak tank,	16	58
Double bottom, under Engines and Boilers,	38.99	109	After peak tank,	14	56
Double bottom, if under Engines only,	X		Deep tank, aft,		
Double bottom, if under Boilers only,	X		Deep tank, forward,		
Double bottom, forward,	132.7	307	Other tanks, if fitted,		
	Total capacity of double bottom	587	(If necessary, furnish further information by sketch.)		114

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

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

Order for Special Survey No.

Date 1 - 10 - 17

No. 317. in builder's yard.

Dates of Surveys held while building

Feby 21, 24, March 3, 10, 17, 24, 31, April 4, 8, 14, 16, 23, 28, 30,
 May 2, 6, 10, 13, 17, 20, 22, 23, 27, 30, June 4, 6, 10, 13, 17, 20,
 23, 27, July 5, 8, 11.

Total No. of Visits 35

Surveyor's Signature

J. J. Cairns

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