

Awning or Shelter Deck, or Pt. Awning Deck.

STEEL STEAMER.

No. 1601

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

Port of *Kobe* Date of completion of Report *15th March 1915* Received at London Office *TUE APR. 20 1915*

Survey held at *Kobe* Date, First Survey *27th Dec 1913* Last Survey *22nd Feb 1915*

On the (State if Single, Twin, or Triple Screw) *Twin Screw Steamer "Harbin Maru"* Rig *Two masts (Schooner)*

TONNAGE under Tonnage Deck *4101.63* CLASS *+100 A1* *Shel. dk with flat* *FEET.*

Do. between Tonnage Dk. and 3rd, 4th, or Awning Dk. *4101.63* Breadth (greatest moulded) *50.00* Master *Osumi*

Total under Upper Dk. *4101.63* Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck *30.00* Year of Appointment *(1) As Master in service of owner of present vessel: 1911 (2) As Master of this vessel: 1911*

of Poop *41.35* Deduct height of tween deck when this does not exceed 8ft. *22.00* Built at *Kobe*

of R. Or. Dk. *475.61* Transverse Number *72.00* When built *1915-2* Launched *25th July 1914*

of Bridge House *63.51* Length on deck from fore part of stem to after part of sternpost *400.00* By whom built *The Kawasaki Dockyard Co Ltd*

of Forecastle *487.18* Longitudinal Number *28800* Owners *The Osaka Shosen Kaisha*

of Houses on Deck *5169.28* Depth "d" at middle of length. See Secs. 2 & 13. *10' 7" (Arch) 18' 7" (Actual)* Managers *(Where necessary to be entered in Reg. Book.)*

of excess of Hatchways above Crown of Engine Room *296.27* Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel *13.33* Residence *Osaka*

Loss Tonnage *5169.28* " " " Upper Deck at side to top of keel *18.18* Port belonging to *Osaka*

as Crew Space *296.27* Destined Voyage *Dairen* If Surveyed while Building, Afloat, or in Dry Dock *While building*

as above Crown of Engine Room *5169.28*

as Navigation Spaces *1654.14*

as Stores, Chart Room, etc. *26.02*

Register Tonnage *3128.93*

as cut on Beam *67.89*

LENGTH on Deck as per Rule	Ft.	Ins.	BREADTH — Moulded	Ft.	Ins.	DEPTH, ACTUAL — Top of Floors to top of Upper Deck Beams	Ft.	Ins.	No. of Decks with flat laid	No. of Tiers of Beams
400	0		50	0		30	0		2	2
Dimensions of Ship per Register, Length 400.0 breadth 50.0 depth 30.0 Upper Deck. Moulded depth, ft. 30 ins. 0 To Awning or Shelter Dk. Round up of Uppermost Dk. Beam, Actual <i>12 1/2</i> ins										
FRAMING.						PILLARS.				
Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	Inches in Ship.	Inches Spacing in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.
FRAME, Angles, <i>4x4</i> Bars, amidships <i>2x19</i> <i>9</i> <i>3 1/2</i> <i>50</i> <i>9</i> <i>3 1/2</i> <i>50</i>						PILLARS, In 'tween Deck, size and spacing <i>2 3/4 x 2 3/4</i> <i>49"</i> <i>2 3/4 x 2 3/4</i> <i>49"</i>				
Do. in peaks <i>F.P.L. 6 1/2 x 3 1/2 x 40... A.P. 4 1/2 x 3 1/2 x 34</i> <i>5 1/2</i> <i>3 1/2</i> <i>34</i> <i>5 1/2</i> <i>3 1/2</i> <i>34</i>						" " Hold <i>6.6 x 70</i> <i>11 1/2</i> <i>6.6 x 70</i> <i>11 1/2</i>				
Do. in way of Double Bottoms at Solid Floors <i>3 1/2</i> <i>3 1/2</i> <i>38</i> <i>3 1/2</i> <i>3 1/2</i> <i>38</i>						" Quarter, 'tween Dks., Pillar <i>6.6 x 84</i> <i>9</i> <i>6.6 x 84</i> <i>9</i>				
" " at intermdt. Bkts.						" " in Hold <i>6.6 x 80</i> <i>9</i> <i>6.6 x 80</i> <i>9</i>				
Spacing of Frames from centre to centre amidships <i>24 1/2</i> <i>24 1/2</i>						KEELSONS AND STRINGERS.				
" length to collision bulkhead <i>24 1/2</i> <i>24 1/2</i>						CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate				
" of Frames from centre to centre in peaks <i>24 1/2</i> <i>24 1/2</i>						" Rider Plate				
REVERSED FRAME, Angles <i>4x4</i> <i>3</i> <i>3</i> <i>34</i> <i>3</i> <i>3</i> <i>34</i>						" Flat Keel Plate Angles				
Do. in way of Double bottoms at Solid Floors <i>3 1/2</i> <i>3 1/2</i> <i>38</i> <i>3 1/2</i> <i>3 1/2</i> <i>38</i>						" Horizontal Plates on Floors				
" " at intermdt. Bkts.						" Angles or Bulb Angles				
FRAMING, depth of girder <i>5 1/2</i> <i>5 1/2</i>						SIDE KEELSONS, Number				
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships						" Angles or Bulb Angles				
" in way of Engine and Boiler spaces						" Plate above floors, for length				
" thickness at the ends of vessel						" Intercoastal Plate, for length				
" depth at 1/2 the half-bdth. as per Rule						" Attached to outside plating with Angle				
" height extended at the Bilges						BILGE KEELSON, Angles				
FLOORS, in Cell Double Bottoms <i>B.S. 48</i> <i>38-36</i> <i>38-36</i>						" Intercoastal Plate, for length				
" state if flanged (top and bottom) <i>No.</i>						" Attached to outside plating with Angle				
" spacing of Solid <i>24 1/2</i> <i>24 1/2</i>						SIDE STRINGERS, Number <i>One</i> <i>6 1/2</i> <i>3 1/2</i> <i>58</i> <i>6 1/2</i> <i>3 1/2</i> <i>58</i>				
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss <i>41</i> <i>50-40</i> <i>41</i> <i>50-40</i>						" Angle <i>Single</i> <i>6 1/2</i> <i>3 1/2</i> <i>58</i> <i>6 1/2</i> <i>3 1/2</i> <i>58</i>				
" Angles, Top <i>4 1/2</i> <i>4 1/2</i> <i>58-54</i> <i>4 1/2</i> <i>4 1/2</i> <i>58-54</i>						" Intercoastal Plate, for lng. <i>42</i> <i>42</i>				
" Bottom <i>4 1/2</i> <i>4 1/2</i> <i>58-54</i> <i>4 1/2</i> <i>4 1/2</i> <i>58-54</i>						" Attached to outside plating with Angle <i>Hanged</i> <i>Hanged</i>				
" to Floors <i>6</i> <i>6</i> <i>42</i> <i>6</i> <i>6</i> <i>42</i>						Awning or Shelter Deck Stringer Plates, breadth and thickness				
" Brackets at intermdt. frmg. wdth & thcknss <i>6 3/2</i> <i>3 1/2</i> <i>38</i> <i>3 1/2</i> <i>3 1/2</i> <i>38</i>						" Angle on ditto <i>3 1/2</i> <i>3 1/2</i> <i>46</i> <i>3 1/2</i> <i>3 1/2</i> <i>46</i>				
SIDE GIRDERS, number and thickness <i>B.S. 46</i> <i>36-34</i> <i>B.S. 46</i> <i>36-34</i>						" Tie Plates, fore and aft, outside Hatchways				
" state if flanged (top & bottom) <i>Hanged at top</i> <i>Hanged at top</i>						" Deck * <i>Iron</i> Steel, for whole lng. <i>34 x 8</i> <i>44-32</i> <i>34 x 8</i> <i>44-32</i>				
" Angles <i>48</i> <i>48</i> <i>38</i> <i>38</i> <i>38</i> <i>38</i>						" Wood Deck, Material & thickness <i>3" OP</i> <i>3" OP</i>				
MARGIN PLATE, depth (exclusive of flange) and thickness <i>30 x 28</i> <i>44</i> <i>30 x 28</i> <i>44</i>						Upper Deck Stringer Plate, breadth and thickness				
" Angles to outside plating <i>3 1/2</i> <i>3 1/2</i> <i>44</i> <i>3 1/2</i> <i>3 1/2</i> <i>44</i>						" Angles on ditto, No. <i>2</i> <i>3 1/2</i> <i>3 1/2</i> <i>46-42</i> <i>3 1/2</i> <i>3 1/2</i> <i>46-42</i>				
" to floors <i>3 1/2</i> <i>3 1/2</i> <i>38</i> <i>3 1/2</i> <i>3 1/2</i> <i>38</i>						" Tie Plates, outside Hatchways				
" Brackets at intermdt. frmg. wdth & thcknss <i>23</i> <i>23</i>						" Deck * <i>Iron</i> Steel, for whole lng. <i>34-30</i> <i>34-30</i>				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake <i>41</i> <i>48-40</i> <i>41</i> <i>48-40</i>						" Wood Deck, Material & thickness <i>2 1/2" OP in accommodation</i>				
" thickness in Engine and Boiler space <i>45</i> <i>46</i> <i>45</i> <i>46</i> <i>45</i> <i>46</i>						Second Deck Stringer Plates, br'dth & thckn's				
" Remainder in Holds <i>38-34</i> <i>38-34</i>						" Angles on ditto, No. <i>2</i> <i>3 1/2</i> <i>3 1/2</i> <i>46-42</i> <i>3 1/2</i> <i>3 1/2</i> <i>46-42</i>				
BEAMS, <i>4x4</i> Shltr Dk. Single Angle, Bulb Angle, Plate, Tee Bulb or Channel <i>9</i> <i>3 1/2</i> <i>44</i> <i>9</i> <i>3 1/2</i> <i>44</i>						" Tie Plates, outside Hatchways				
" Spacing <i>49</i> <i>49</i>						" Deck * Material and thickness <i>Steel</i> <i>30</i> <i>Steel</i> <i>30</i>				
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel <i>9</i> <i>3 1/2</i> <i>44</i> <i>9</i> <i>3 1/2</i> <i>44</i>						Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness				
" Spacing <i>49</i> <i>49</i>						" Angles on ditto, No.				
BEAMS, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel <i>10</i> <i>3 1/2</i> <i>46</i> <i>10</i> <i>3 1/2</i> <i>46</i>						" Tie Plates, outside Hatchways				
" Angles on upper edge						" Deck, Material and thickness				
" Spacing <i>49</i> <i>49</i>						Boat Deck Stringer Plate, breadth & thickness				
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel <i>6</i> <i>3 1/2</i> <i>40</i> <i>6</i> <i>3 1/2</i> <i>40</i>						" Angles on ditto				
" Angles on upper edge						" Tie Plates				
" Spacing <i>48</i> <i>48</i>						" Deck, Material and thickness <i>Steel</i> <i>24</i> <i>Steel</i> <i>24</i>				
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel <i>9 1/2</i> <i>3 1/2</i> <i>52</i> <i>9 1/2</i> <i>3 1/2</i> <i>52</i>						Bridge Deck Stringer Plate, br'dth & thickness				
" Angles on upper edge <i>8 1/2</i> <i>3</i> <i>46</i> <i>8 1/2</i> <i>3</i> <i>46</i>						" Angle on ditto <i>4 1/2</i> <i>4 1/2</i> <i>56</i> <i>4 1/2</i> <i>4 1/2</i> <i>56</i>				
" Spacing <i>24 1/2</i> <i>24 1/2</i>						" Tie Plates				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel <i>9 1/2</i> <i>3 1/2</i> <i>52</i> <i>9 1/2</i> <i>3 1/2</i> <i>52</i>						" Deck, Material and thickness <i>Steel</i> <i>36</i> <i>Steel</i> <i>36</i>				
" Angles on upper edge <i>5</i> <i>3</i> <i>44</i> <i>5</i> <i>3</i> <i>44</i>						Forecastle Deck Stringer Plate, br'dth & th'kns				
" Spacing <i>49</i> <i>49</i>						" Angle on ditto <i>3 1/2</i> <i>3 1/2</i> <i>34</i> <i>3 1/2</i> <i>3 1/2</i> <i>34</i>				
						" Tie Plates				
						" Deck, Material and thickness <i>Steel</i> <i>30</i> <i>Steel</i> <i>30</i>				

[illegible]

EQUIPMENT No. 33891 LETTER 4 ✓										ANCHORS.									
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE				WEIGHT REQ. BY TABLE 31.			Description of Anchor.	Makers.	Where and when tested and Superintendent.		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.					
16214	1st Power	60	1	0	Stockless			48	10	0	0	60	0	0	Hall's C.S. head	Jellows Bros	Cradley Heath 19/3/13	S.E.P.	
16215	2nd "	60	0	0	"			48	7	2	0	57	2	0	do	do	do	do	
16216	3rd "	59	3	14	"			48	5	3	21	53	0	0	do	do	do	do	
	Collective weight	180	0	14								170	2	0					
16217	Stream	16	2	6	4	0	22	17	6	1	0	16	2	0	Ordinary	do	do	do	do
16218	Kedge	7	1	0	1	3	12	9	9	1	14	7	0	0	do	do	do	do	

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and Size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Fathoms 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.	Fathoms and size per Table 31.		Length.	Cir.
	Length.	Diam.	Stretcher.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.		
14689	135	2 3/16	86 1/8	120 1/2	322.3.16	645.3.0	135	2 3/16	Stud	Jellows Bros	Cradley Heath 19/3/13	TOWLINE	120	4 1/4	6.4.16	120	4 1/4		
14690	135	2 3/16	86 1/8	120 1/2	322.3.16	645.3.0	135	2 3/16	Stud	Jellows Bros	do do do	HAWSERS & WARPS	2x90	8	manila	2x90	8		
	90	4 3/4	64	46	46.3.2		90	4 3/4	Ordinary	Tokio Seido Kaisha Co.	Makes Certificate		2x90	7	do	2x90	7		

Boats Life Ten 24' x 8 1/2' x 3 1/2' Four 24' x 7 3/4' x 3 1/4' Two 18' x 5 3/4' x 2 1/2' Steering Gear, Steam J. Chambers & Co. Steering Gear, Hand by Kawasaki K.K.
Pumps, Number 1000 to all compartments. Diameter of Barrel 5 1/2 State whether they are in efficient working order Yes
Windlass is by Emerson, Walker & Co. Capstan
Engine Room Skylights.—How constructed? Plates & angles What arrangements for deadlights in bad weather? Bulls' eyes in steel plates
Coal Bunker Openings.—How constructed? Side hinged steel doors How are lids secured? Wedge clamps Height above deck? Flush
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. Scup. 2 each side Ports 4" x 3" & 4" x 9" x 1" x 3" 3 each side & 3 each side
Ceiling in Holds, thickness and material 2 1/2" O.P. under hatchways Cargo Battens, thickness and material 6" x 2" Sugil
Cargo Hatchways.—How formed? Plates & angles on shells OK. B.A. on up. OK Hatches, If strong and efficient? Yes
State size No. 1 Hatch (Forward) 16' 4" x 14' 0" No. 2 Hatch 24' 6" x 16' 0" No. 3 Hatch 16' 4" x 16' 0" No. 4 Hatch 16' 4" x 14' 0"
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch Web plates only No 1-3 No 2-5 No 3-3 No 4-3
No. of Breasthooks 4 OK Flats & 4 No. of Crutches Deep floors
Bulwarks, height above deck and description 4' 2" 30" steel plate Main Rail and Stays, material and size 5" x 3" x 34 Barb Angle.
The foregoing is a correct description. Surveyor's Signature Arthur L. Jones Stays 6 x 34 Barb @ 6 ft sp.
Builder's Signature (here only) KAWASAKI DOCKYARD COMPANY, LTD. Surveyor to Lloyd's Register of British and Foreign Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)
M. 5/6/13 M. 31/7/13 H.M. M. 4/9/13 M. 24/11/13

Workmanship. Are the butts of plating planed or otherwise fitted? Planed
Is the riveted work properly closed? Yes
Are the liners between the frames and plates solid single pieces? Yes 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 Satisfactory
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes State results of tests Satisfactory
General Remarks (State quality of workmanship, &c.) This vessel has been built in accordance with the approved plans, which are forwarded under separate cover, & the workmanship has been found good throughout.
A freeboard verification form is enclosed.

The Surveyor should state the Number of Report and Name of any Sister Vessel built or Yard Number of any building. ✓
The amount of Entry Fee Yen : 50.00 Fees applied for, 16. 2 - 1913
Special Survey Fee.... Yen 2314.00 Received by me, 10. 3 - 1913
Travelling Expenses, if any Yen : 30.00
State whether the Vessel has been built under Special Survey Yes
I am of opinion this Vessel should be Classed + 100 A1. Shelter OK
With, or without Freeboard, as condition of Class With freeboard
Certificate to be sent to Kobe Date of issue
A. L. Jones
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute FRI. APR. 23. 1915
Character assigned 100 A1 Shelter OK with fbd.
Lloyd's A.G.P. + L.M.C. 2.15. J.D.
(Date of build 1.15)
Wife Kobe
The Surveyors are requested not to write on or below the Committee's Minute.

GENERAL REMARKS—(continued).

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WEB-F

WEB-F

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Write "Aiming or Shelter Deck" "Sheer Strake" opposite its corresponding letter.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop _____ ft., R.Q.D. _____ ft., Bridge 169.5 ft., Forecastle 46.5 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 it should appear in the Register Book) 1 BR (Ste) & Shelter deck (Ste. m.s.)

Official No. _____; Signal Letters _____ 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 _____

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft, <u>(69-19) 24 1/2</u>	<u>102.1</u>	<u>164.4</u>	Fore peak tank,		<u>52.2</u>
Double bottom, under Engines and Boilers, <u>(100-70) 20 1/2</u>	<u>61.25</u>	<u>202.0</u>	After peak tank,		<u>50.0</u>
Double bottom, if under Engines only, ✓			Deep tank, aft,		
Double bottom, if under Boilers only, ✓			Deep tank, forward,		
Double bottom, forward, <u>(185-100) 20 1/2</u>	<u>173.5</u>	<u>320.0</u>	Other tanks, if fitted, <u>FW Tanks Port & Star each 16.8 tons F.W.</u>		
Total capacity of double bottom		<u>686.4</u>	(If necessary, furnish further information by sketch.)		

* 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 _____

Order for Special Survey No. ✓

Date 24/7/13

No. 371 in builder's yard.

DATES of Surveys held while building

27 Dec 1913, Jan 6. 8. 14. 15. 17. 19. 24 Feb 2. 9. 12. 16. 24 Mar. 18. 20. 25. 31. Apr 8. 21.
May. 1. 4. 9. 18. 23 29, June 1. 9. 16. 20. 23 July 1. 2. 14. 22 27 Aug 17. 18. 28
Sept 10. 16. 19. 30 Oct 3. 13. 15. 24 Nov. 10. 15. 27 Dec. 5. 9. 18. 25. 31 1914
Jan 25 Feb 1. 3. 22 (Mar 10 Feb)

Total No. of Visits 58

Surveyor's Signature



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Foundation