

# Awning or Shelter Deck, or Pt. Awning Deck

## STEEL STEAMER.

No. 16520

Port of Greenock

Date of completion of Report 15/8/13

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

WED. AUG. 20. 1913

Survey held at Greenock

Date, First Survey 15/8/13

Received at London Office

On the

Screw Steamer

"SEIYO MARU"

17<sup>th</sup> June 1912 Last Survey

9<sup>th</sup> August 1913

TONNAGE under

4718.52

CLASS \* 100A1

FEET.

Master Hagenu Hino-kuma

Do. between Tonnage Dk. and

1149.64

Breadth (greatest moulded)

52.00

Year of Appointment

(1) As Master in service of owner of present vessel: 1907.  
(2) As Master of this vessel: 1913.

2nd, 1th, on Tonnage Dk.

6168.16

Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck

38.04

Built at Port Glasgow

Do. of Poop

4.63

Deduct height of 'tween deck when this does not exceed 8ft.

8.00

When built 1913

Launched 19<sup>th</sup> June 1913

Do. of Forecastle

284.30

Transverse Number

82.04

By whom built Russell & Co.

Do. of Houses on Deck

34.59

Length on deck from fore part of stem to after part of sternpost

404.92

Owners The Tokyo Kisen Kaisha

Do. of excess of Hatchways

34.59

Longitudinal Number

33219.63

Managers

(Where necessary to be entered in Reg. Book.)

Do. above Crown of Engine Room

6491.68

Depth "d" at middle of length. See Secs. 2 & 13

17.92

Residence

Tokyo

Gross Tonnage

212.73

Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel

10.64

Port belonging to Yokohama

Less Crew Space

34.59

Upper Deck at side to top of keel

13.49

Less above Crown of Engine Room

6244.36

Upper Deck at side to top of keel

13.49

TONNAGE FOR FEES

2077.34

Upper Deck at side to top of keel

13.49

Surveyed while Building, Afloat, or in Dry Dock Yes

Less Engine Room

70.08

Upper Deck at side to top of keel

13.49

Less Navigation Spaces

4131.53

Upper Deck at side to top of keel

13.49

Register Tonnage

4131.53

Upper Deck at side to top of keel

13.49

as cut on Beam

4131.53

Upper Deck at side to top of keel

13.49

Length on

404

Upper Deck

30

No. of Decks with flat laid

Three

No. of Tiers of Beams

Three

Dimensions of Ship per Register,

Length 404.6 breadth 52.25 depth 27.45

Awn. or Shelter Dk.

Moulded depth, ft. 38 ins. 0 To Awn. or Shelter Dk.

Round up of Uppermost Dk. Beam, Actual

13 ins.

Upper Deck

Moulded depth, ft. 30 ins. 0 To Upper Dk.

### FRAMING.

	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
FRAME, Angles, on <u>on</u> Bars, amidships	6	3 1/2	48	6	3 1/2	48
Do. in peaks	6	3 1/2	38	6	3 1/2	38
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40
" " at intermdt. Bkts.						
Spacing of Frames from centre to centre amidships	26		26			
" length to collision bulkhead	26		26			
" of Frames from centre to centre in peaks	24		24			
EVERSED FRAME, Angles, in peaks	6	3 1/2	48	6	3 1/2	48
Do. in way of Double bottoms at Solid Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40
" " at intermdt. Bkts.						
FRAMING, depth of girder	8 1/2		8 1/2			
FLOORS, depth and thickness of Floor Plate at mid line for 1 length amidships	6.40	6.40	55	6.40	6.50	
" in way of Engine and Boiler spaces	6.40	6.40	55	6.40	6.50	
" thickness at the ends of vessel	6.40	6.40	55	6.40	6.50	
" depth at 3/4 the half-bdth. as per Rule						
" height extended at the Bilge						
FLOORS & BRACKETS, in Cell Dble Bottoms			40		40	
" state if flanged (top & bottom)						
" spacing	26		26			
CENTRE GIRDER, in Dbl. bottom, dpth. & thicknss	43		50	43	50	
" Angles, Top <u>Single</u>	4 1/2	4 1/2	60	4 1/2	4 1/2	60
" Bottom	4 1/2	4 1/2	60	4 1/2	4 1/2	60
" to Floors	5	5	56	5	5	56
DE GIRDERS, number and thickness	2		40	2	40	
" state if flanged (top & bottom)						
Angles	3 1/2	3 1/2	40	3 1/2	3 1/2	40
MARGIN PLATE, depth (exclusive of flange) and thickness	49		48	34	48	
" Angles to outside plating	5 1/2	5 1/2	40	5	3 1/2	40
" to floors	5 1/2	5 1/2	40	5	3 1/2	40
Height of Brackets above at bilge	25		25			
OVER BOTTOM PLATING, breadth and thickness of Middle Line Strake	72		48	72	48	
" thickness in Engine and Boiler space	6.48	6.61	6.48	6.56		
" Remainder in Holds			40		40	
AMS, Awn. or Shltr Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel in way of original bridge 6 1/2 x 40 B.A. Angles on upper edge	9	3	44	8 1/2	3	44
Spacing	52		52			
AMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel Angles on upper edge	6 1/2	3	40	6 1/2	3	40
Spacing	26		26			
AMS, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel Angles on upper edge	9	3 1/2	3 1/2	42	9	3 1/2
Spacing	52		52			
AMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel Angles on upper edge						
Spacing						
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel Angles on upper edge						
Spacing						
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel Angles on upper edge						
Spacing						

### PILLARS.

	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
PILLARS, in 'tween Deck, size and spacing	2 3/8	2 1/2	52	2 3/8	2 1/2	52
" " Hold	4		4			
" Quarter, 'tween Dks., " "						
" " in Hold						
KEELSONS AND STRINGERS.						
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate						
" Rider Plate						
" Flat Keel Plate 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	2		2			
" Angle	6 1/2	3 1/2	50	6 1/2	3 1/2	50
" Intercoastal Plate, for whole lng.			44			44
" Attached to outside plating with Angle	3 1/2	3 1/2	44	3 1/2	3 1/2	44
Awning or Shelter Deck Stringer Plates, breadth and thickness	55		54	55		54
" Angle on ditto	5	5	60	5	5	60
" Tie Plates, fore and aft, outside Hatchways			04			04
" Deck, Iron or Steel, for whole lng.			40			40
" Wood Deck, Material & thickness	Sheathing 5x3	5x3	5x3	5x3	5x3	5x3
Upper Deck Stringer Plate, breadth and thickness	61		46	61		46
" Angles on ditto, No. 2 in original bridge	3 1/2	3 1/2	48	3 1/2	3 1/2	48
" Tie Plates, outside Hatchways	5 1/2	5 1/2	48	5 1/2	5 1/2	48
" Deck, Iron or Steel, for whole lng.			36			36
" Wood Deck, Material & thickness						
Second Deck Stringer Plates, br'dth & thickn's	47		44	47		44
" Angles on ditto, No. 2	3 1/2	3 1/2	48	3 1/2	3 1/2	48
" Tie Plates, outside Hatchways			34			34
" Deck, Material and thickness						
Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness						
" Angles on ditto, No.						
" Tie Plates, outside Hatchways						
" Deck, Material and thickness						
Poop Deck Stringer Plate, breadth & thickness						
" Angles 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 & thickness						
" Angle on ditto						
" Tie Plates						
" Deck, Material and thickness						



WEB FRAMES. WEB-FRAMES, In Fore Body, No. and spacing brdth. & thickness No. of Side Stringers WEB-FRAMES, In E. & B. Space, No. & spacing brdth. & thickness WEB-FRAMES, In After Body, No. and spacing brdth. & thickness No. of Side Stringers Size of Face Angles to Web-Frames BRACKET PLATES to Stringers between Web-Frames, depth and thickness

BULKHEADS. Number, Thickness, STIFFENERS, Single or Double Frames, Height up. W.T. BULKHEADS, COLLISION PARTITION, LONGITUDINAL. Are the outside Plates doubled two spaces of Frames in length? Are the Stairs, Valves and Watertight Doors in efficient working order?

FORGINGS or CASTINGS. KEEL-Bar, depth and thickness STEM, moulding and thickness STERN-POST for Rudder do. do. for Propeller RUDDER-A x D Table 22. Speed Main-Piece, diameter at head at heel

RUDDER, how constructed Thickness of Plates or Single Plate Can the Rudder be unshipped afloat? Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c. Has the Steel been tested as required by the Rules?

PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. FLAT PLATE KEEL, GARBOARD OR A Strake, State actual thickness in way of Double Bottom, Upper Deck, Lower Deck, Forecastle Sides

RIVETING. EDGES, Ordinary or joggled? BUTTS, Double or Treble and for what Length, Rivets, Straps, IF LAPPED, Riveting

Awning or Shelter Deck Stringer Plate, Upper Deck Stringer Plate, FRAMES extend in one length from, REVERSED FRAMES on floors and frames extend from

MASTS, SPARS, &c. LOWER MASTS, Fore Mast, Main Mast, Mizzen Mast, Rigging, Material and Size, Shrouds, Sails



WED. AUG. 20. 1913

EQUIPMENT No. 36343 LETTER 2										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.		If Patent state Name of Patent.	If Stock, state Mechanism of Patent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.						
17020	1st Bower	65	1	4	65	1	4	51	5	0	0	63	3	0	Stockless	W. L. Byers & Co. Ltd	26/5/13	L. Haffner		
17019	2nd "	65	1	0	65	1	0	51	2	2	0	63	3	0	"	"	24/5/13	"		
16969	3rd "	54	3	14	54	3	14	45	5	3	21	54	2	0	"	"	10/5/13	"		
	Collective weight	185	1	21	185	1	21					182	0	0						
40801	Stream	17	2	0	17	2	0	18	12	2	0	17	2	0	Ordinary	Earl of Dudley's	27/5/13	L. Haffner		
40800	Kedge	4	2	0	4	2	0	9	13	3	0	4	2	0	"	R. O. W. S.				

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.	Cir.
42121	276	1 1/16	918	683	2 1/4	270	2 1/16	Earl of Dudley's	28/5/13 L. Haffner	ROVLINE	120	5	59	120	5				
										HAWSERS & WARPS	180	2 3/4	15 1/2	180	2 3/4				
											180	2 1/2	12 1/2	180	2 1/2				
1869	90	1 1/16	288	73	1 1/4	90	1 1/16	Earl of Dudley's	3/4/13 L. Haffner	"	180	6	-	-	-				

12 lifeboats  
as per approved plan  
by Clarke Chapman & Co. Ltd  
Engine Room Skylights.—How constructed? of steel plates & angles  
What arrangements for deadlights in bad weather? bullseyes in lids  
Bunker Openings.—How constructed? of steel plates & angles  
How are lids secured? by bars & tarpaulins  
Height above deck? 30 above shell  
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 6 scuppers on each side  
Cargo Batts, thickness and material 2 1/2" WP  
Hatches, If strong and efficient? yes  
No. 1 Hatch (Forward) 21-8 x 16 No. 2 Hatch 26 x 16 No. 3 Hatch 28-2 x 16 No. 4 Hatch 21-8 x 16  
Web Plates, Shifting Beams and Fore and Afters to each Hatch 3 webs in nos 1 & 4 4 in nos 2 5 in no 3  
No. of Breasthooks 5 and deep floors No. of Crutches deep floors  
Main Rail and Stays, material and size open rail  
Surgeon's Signature J. Bennett  
Signature (here only) For Russell & Co. Ltd

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case)  
6/2/13 m 13/2/13 m 15/2/13 m 17/2/13 m 21/2/13 m 3/3/13 m 14/3/13 E 19/3/13 E 26/3/13 E 10/6/13 m 13/6/13 D 16/6/13 m 18/6/13 m  
Workmanship. Are the butts of plating planed or otherwise fitted? planed  
the riveted work properly closed? yes  
Do the liners between the frames and plates solid single pieces? yes  
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? a few  
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.) The workmanship is good and the vessel has been built in accordance with the Rules and to the approved plans (9 in no) which together with the forgings reports are attached hereto  
The following blue prints showing vessel as built are also enclosed herewith  
Midship Section, Profile and Deck, Billers and Orders

This vessel was laid down and partly built as a pister to SS "Saint Bede" built after the 16/6/8, but the wells have been filled in and vessel converted to shelter deck, 6 WT bulkheads have been fitted and deep tanks omitted.

The Surveyor should state the Number of Report and Name of any Sister Vessel.  
The amount of Entry Fee £ 5 : : :  
Special Survey Fee £ 181 : 2 : :  
Travelling Expenses, if any £ : : :  
Fees applied for, 14/8/1913  
Received by me, J. Bennett  
Certificate to be sent to Greenock Date of issue 28/8/13  
I am of opinion this Vessel should be Classed 100A1 Shelter deck  
With, or without, Freeboard, as condition of Class  
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute GLASGOW 19 AUG. 1913  
Character assigned 100A1  
Shelter DK with fld.  
813  
Lloyd's Assoc  
+ LMC 813  
The Surveyors are requested not to write on or below the Committee's Minute.



Date of writing Report

No. in Survey  
Reg. Book.

on the

Master

Engines made at

Boilers made at

Registered Horse

Nom. Horse Power

ENGINES, &

Dia. of Cylinders

Is the screw shaft

in the propeller

between the bearing

liners are fitted, &

Dia. of Tunnel shaft

collars 19 5/8"

No. of Feed pump

No. of Bilge pump

No. of Donkey En

In Engine Room

N<sup>o</sup> 3 HOLD

No. of Bilge Injectio

Are all the bilge suc

Are all connections

Are they fixed suffic

Are they each fitted

What pipes are ca

Are all Pipes, Coc

Are the Bilge Suct

Dates of examinatio

Is the Screw Sha

BOILERS, &c

Total Heating Su

Working Pressu

PARTICULARS OF

Can each boiler be

each boiler 2' 0"

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle ☒ ft.  
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *complete shelter deck*

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) *2<sup>nd</sup> (Stt) Shelter dk (Stt W-S)*

Official No. ☒ ; Signal Letters ☒ State if Machinery is fitted *amidships*

How are the surfaces preserved from oxidation? Inside *by Portland cement and paint* Outside *by 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,	121.33	397	Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,	23.83	100	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	184.16	628	Other tanks, if fitted,		
Total capacity of double bottom		1125	(If necessary, furnish further information by sketches)		

\* 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. *2708*

Date *1<sup>st</sup> June 1912.*

No. *647* in builder's yard.

DATES of Surveys held while building

*1912. June 7. 18. July 23. Aug. 8. 12. 16. 19. 22. 30. Sept. 4. 6. 10. 13. 17. 24. 30. Oct. 1. 2. 4. 8. 16. 17. 18. 22. 25. 30. Nov. 1. 4. 5. 11. 22. 25. 29. Dec. 9. 10. 12. 17. 1913. Jan 13. 14. 15. 16. 17. 27. Feby 3. 11. 13. 28. Mar. 10. 12. 13. 14. 18. 26. 28. 31. Apr. 4. 9. 14. 15. 17. 28. 29. May. 1. 6. 7. 10. 20. 21. 22. June 4. 5. 6. 9. 10. 11. 12. 13. 14. 16. 17. 18. 19. 20. 23. 30. July 2. 9. 14. 17. 21. 25. 28. 31. Aug. 1. 8. 9.*

Total No. of Visits *96*

Surveyor's Signature

*J. Bennett*

Lloyd's Register  
Foundation