

WEB FRAMES.				FORGINGS or CASTINGS.			
Inches in Ship.				Inches in Ship.			
WEB-FRAMES, In Fore Body, No. and spacing 30 x 44 ✓ D°				KEEL, Bar, depth and thickness KEEL PLATE			
No. of Side Stringers TWO 30 x 44 ✓ D°				STEM, moulding and thickness 10 1/2 x 2 1/2 ✓ D°			
WEB-FRAMES, In E. & B. Space, No. and spacing TWO 6 SPACES ✓ D°				STERN-POST for Rudder do. do. 9 x 7 1/2 ✓ D°			
No. of Side Stringers 29 x 44 ✓ D°				for Propeller 10 1/2 x 7 1/2 ✓ D°			
WEB-FRAMES, In After Body, No. and spacing NONE				RUDDER-A x D Table 22. Speed 11 knots 4440 43.			
Size of Face Angles to Web-Frames 7 x 3 1/2 x .66 ✓ D°				Main-Piece, diameter at head 9 1/2 DIA ✓ D°			
BRACKET PLATES to Stringers between Web Frames, depth and thickness 30 x .5 ✓ D°				at heel 7 1/4 DIA ✓ D°			
BULKHEADS.				RUDDER, how constructed FORGED MAIN PIECE ARMS KEYED ON.			
STIFFENERS.				Thickness of Plates or Single Plate 1.04			
Vessel. Per Rule. Thickness. Size. Spacing. Vertical. Spacing. Height up, state deck.				Can the Rudder be unshipped afloat? YES.			
W.T. BULKHEADS 6 6				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. OPEN HEARTH PROCESS.			
AFT PEAK FR 8				U.S. STEEL PRODUCT CO. PHOENIX			
37				NIPPON KOKAN KAISHA INLAND STEEL CO			
60				JONES & LAUGHLIN ARANO STEEL WORKS			
87				Has the Steel been tested as required by the Rules? YES.			
148							
120							
COLLISION							
LONGITUDINAL							
Are the outside Plates doubled two spaces of Frames in length? BRACKETS FITTED							
Are the Sluice Valves and Watertight Doors in efficient working order? YES.							
PLATING.				RIVETING.			
AS IN SHIP.				EDGES.			
PER RULE OR AS APPROVED.				ORDINARY or JOGGLED?			
STRAKES.				BUTTS.			
AMIDSHIP. FORWARD. AFT.				Double or Triple and for what Length.			
Breadth. Thickness. Breadth. Thickness. Breadth. Thickness.				RIVETS.			
FLAT PLATE KEEL				Diam. Spacing or to cr.			
GARBOARD or A STRAKE				Breadth. Thickness. Breadth. Thickness.			
B				1.02 1.02 72 72 47 1.02			
C				72 70 48 48 72 70			
D				72 70 48 48 72 70			
E				72 70 48 48 72 70			
F				69 70 48 48 69 70			
G				60 70 46 48 60 70			
H				69 70 46 48 69 70			
J				72 70 46 46 72 72			
K				57 7.88E 46 46 57 70			
L				47 88 46 46 47 88			
M				51 70 46 46 51 70			
N				47 72 47 72			
O				47 72 47 72			
P							
Q							
R							
S							
T							
U							
V							
W							
THICKNESS OF SHEERSTRAKE							
CLEAR OF LONG BRIDGE							
DO. OF STRAKE BELOW							
DOUBLE OF Flat Plate Keel							
SHEERSTRAKES							
Length and thickness							
POOP SIDES							
SHORT BRIDGE SIDES							
FORECASTLE SIDES							
Where in long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.							
Upper Deck Stringer Plate				Butts of Side Stringers			
Butts QUAD riveted TO TR. AT ENDS. length amidship.				riveted.			
Straps overlapped for FULL length amidship.				Tie Plates			
Second Deck Stringer Plate				Inner Bottom Plating riveting of Edges SR. CENT. DR. BUTTS D° TO S°			
Butts TR. riveted for FULL length amidship.				riveted.			
Straps overlapped for FULL length amidship.				Centre Girder Butts. TR. riveted. Keelson Butts. riveted.			
				Frames, riveted through Plates with 1 1/8 in. Rivets, about 6 DIA apart.			
				Rivets, state whether Iron or Steel. STEEL			
FRAMES extend in one length from UPPER TURN OF BILGE to UPPER 7 1/2 DKS. ALT. State if ordinary or jogged JOGGLED.							
REVERSED FRAMES on floors and frames extend from ON SKELETON FLOORS FROM CEN. GIR. TO MARGIN BRACKET. OTHER FLOORS							
FLANGED EXCEPT IN WAY OF E.R. B.B. & FOR 2 OF 3/8 LEN. WHERE THEY				State if ordinary or jogged ORDINARY.			
EXTEND FROM CEN. GIRDER TO MARGIN PLATE							
MASTS, SPARS, &c.							
Material. Total Length. DIAMETER AND THICKNESS. No. of Plates in round. ANGLES. Riveting.							
At Partners. Heel. Hounds. Heads.							
Lower Masts. Fore. STEEL 64-6 24 x 40 24 x 40 19 x 34 18 x 34 2				Number. Size. Seams. Butts.			
Main. 66-3 24 x 40 24 x 40 19 x 34 18 x 34 2				SINGLE TREBLE			
Mizen.				SINGLE TREBLE			
Bowsprit.							
Topmasts, Yards and Remainder of Spars							
Rigging, Material and Size, Shrouds 4 1/2 S.W.R. Stays 4 S.W.R.							
Sails.				Sails, and the following spare sails.			

EQUIPMENT No. 35485 LETTER				ANCHORS.				TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS			
Number of Certificate.				WEIGHT, EX. STOCK.				WEIGHT REQUIRED BY TABLE 31.			
1st Bower				62 2 0 STOCKLESS				62 2 0			
2nd				60 0 10 D°				60 0 10			
3rd				60 0 0 D°				60 0 0			
4th				182 2 10				182 2 10			
Collective weight.				17 2 5 5 3 16 18 12 2 0				17 2 5 5 3 16 18 12 2 0			
Skeum				7 3 7 2				7 3 7 2			
Kedge				2 10 10 0 1 7				2 10 10 0 1 7			
Particulars of Drop Test of Cast Steel Anchors, viz.:-				1st Bower 62-2-0 U.S.S. 8257 2-12-18							
Weight, Surveyor's Initials, Number of Certificate, Date of Test.				2nd 60-0-10 F.A. 5846 7-12-17							
				3rd 60-0-0 F.A. 5838 6-12-17							
				4th							
CHAIN CABLES.				HAWSERS AND WARPS.							
Number of Certificate.				Length and size supplied.				Description.			
Length. Diam.				Length. Diam.				Length. Diam.			
269 210 2 1/2				270 2 1/2				270 2 1/2			
280 60 2 1/2				60 2 1/2				60 2 1/2			
Iron Steam				90 1 1/4				90 1 1/4			
Steel Wire				525 1 1/4				525 1 1/4			
Boats TWO LIFEBOATS AND 1 TEMAR.				Steering Gear, Steam EFFICIENT				Steering Gear, Hand EFFICIENT			
Pumps, Number ONE DOWNTON				Diameter of Barrel 5 1/2				State whether they are in efficient working order YES.			
Windlass is EFFICIENT				Capstan							
Engine Room Skylights, How constructed? STEEL				What arrangements for deadlights in bad weather? BULLS EYES & SHUTTERS							
Coal Bunker Openings, How constructed? STEEL COAMS.				How are lids secured? BATTENS & CLEATS				Height above deck 18			
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 3 SCUPPERS & 8 FREEING PORTS EACH SIDE 3'9" x 1'6"				Cargo Batts, thickness and material 2" PINE				Hatches, If strong and efficient? YES.			
Ceiling in Holds, thickness and material 2 1/2" PINE				No. 1 Hatch (Forward) 27'18" x 2				No. 2 Hatch 30'3" x 18'2"			
Cargo Hatchways, How formed? STEEL COAMINGS				No. 3 Hatch 13'9" x 17'8" x 1'6"				No. 4 Hatch 30'3" x 18'2"			
State size No. 1 Hatch (Forward) 27'18" x 2				No. 5 Hatch 27'0" x 18'2"							
Number of Web Plates, Strapping Beams and Posts and After to each Hatch N° 1-5. 5. N° 2-4. 6.				No. of Breasthooks 3				No. of Crutches DEEP FLOORS.			
No. 3 HATCH. 2 WEB PLATES				Main Rail, material and size 6'3" x 3/8 BULL ANGLE							
Bulkheads, height above deck and description 3'9" STEEL PLATE x 25				The foregoing is a correct description.							
Builder's Signature (here only) A. Tomiyama				Surveyor's Signature James Brighton				Surveyor to Lloyd's Register of Shipping.			
Correspondence, State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)											
Workmanship. Are the butts of plating planed or otherwise fitted? PLANED WHERE PRACTICABLE											
Is the riveted work properly closed? YES											
Are the liners between the frames and plates single pieces? JOGGLED FRAMES				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 facing 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 stopped? 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 under Special Survey and in accordance with the Society's Rules and approved plans. The material & workmanship are good. Wireless installation is fitted.											
This Vessel is a sister Vessel of S.S. "Uraban Maru" Report No. 2605											
Plan of Midship Section showing Vessel as built is forwarded herewith.											
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				Fees applied for, 30-4 19 20							
Special Survey Fee £ 2826				Received by me, 17795							
Travelling Expenses, if any £ 25				3-5 19 20							
DEADWEIGHT 600											
State whether the Vessel has been built under Special Survey YES											
I am of opinion this Vessel should be Classed +100 A1.											
With, or without Freeboard, as condition of Class WITHOUT FREEBOARD											
Committee's Minute FRI. JUN. 25 1920											
Character assigned 100 A1											
Thank you											
Johokawa Date of issue 75.6.20											
Can be advised.											
James Brighton											
Surveyor to Lloyd's Register of Shipping.											

GENERAL REMARKS—(continued).

FORGINGS & CASTINGS.

DESCRIPTION.	MARK	MATERIAL	WHERE MADE	WHERE TESTED	DATE	SURVEYOR.
UPPER STEM.	A.U.2.	FORGED STEEL	OSHIMA SW	OSHIMA TOKYO	16-9-19	U.S.C.
LOWER STEM.	A.L.2.	D° D° D°	D° D° D°	D° D° D°	16-9-19	U.S.C.
RUDDER MAIN PIECE	81197½	D° D°	SUMITOMO STEEL WKS.	OSAKA	26-12-19	Y. JO
" STOCK.	8897¼	D° D°	D° D°	D° D°	26-12-19	Y. JO
RUDDER ARMS	81032	D° D°	D° D°	D° D°	23-9-19	U.S.C.
RUDDER TILLER	A.Q.A.	CAST STEEL	OSHIMA	OSHIMA	26-9-19	Y. JO.
STERN FRAME					29-9-19	Y. JO
UPPER PART	81167-1	CAST STEEL	SUMITOMO STEEL WKS.	OSAKA		
LOWER PART	81040-1	CAST STEEL	D°	D°		

FRAMING.

AT 33" SPACING	10" 3.95 x 3.95 x .425 CHANNEL.	INTER. FRAME	7" 3½ x ¾ BA.	AS ON SHIP.
"	10" .56 x 3¼ x .53 CHANNEL.	D° D°	7" 3½ x ¾ BA.	AS APPROVED
AT 27" SPACING	10" 3½ x .575 BA.	INTER. FRAME	7" 3½ x ¾ ANGLE	AS ON SHIP.
"	10" 3½ x .56 BA.	D° D°	7" 3½ x ¾ ANGLE	AS APPROVED
FRAMES IN PEAKS	8" 3½ x .4 BA.	INTER. FRAME	7" 3½ x ¾ ANGLE	AS ON SHIP.
"	8" 3½ x ¾ BA.	D° D°	7" 3½ x ¾ ANGLE	AS APPROVED

PILLARS.

UPPER DK.	5" 5 x .4	4 ANGLES TO 4" 4 x ¾	4 ANGLES.	WIDE SPACING AS APPROVED
SECOND DK.	12" ½ x 3¾ x .62	DOUBLE CHANNELS WITH RIDER PLATES 13" x .56	TO 6" 6 x .7	4 ANGLES. WIDE SPACING AS APPROVED

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 32.54 ft., R.Q.D. ft., Bridge 123.75 ft., Forecastle 4 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated **NO**

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 should appear in the Register Book) **2 DKS (STEEL) 2 TIERS OF BEAMS**
 Official No. **27078**; Signal Letters **S.B.M.D.** State if Machinery is fitted aft **AMIDSHIPS.**
 How are the surfaces preserved from oxidation? Inside **BITUMASTIC (BUNKERS)** CEMENT (DB. & BILGES) PAINT (HOLDS) 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,	115	264	Fore peak tank,	24	4
Double bottom, under Engines and Boilers,	71.5	262	After peak tank,	10	2
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	152.5	423	Other tanks, if fitted,		
		949	(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. **13**

Date

27 July 1919.

No.

21 in builder's yard.

DATES of Surveys held while building

1919. OCT. 16. 23. 27. 30. NOV. 11. 18. 21. 25.
 DEC. 3. 11. 15. 17. 22. 23.
 1920. JAN. 8. 12. 14. 16. 19. 21. 26. 28. 30. FEB. 2. 4.
 13. 16. 20. 24. 27. MARCH 3. 8. 15. 24. 29. 31. APRIL
 21. 29

Surveyor's Signature

James Brickton
 Lloyd's Register Foundation