

MON. 15
Received at London Office

Date of completion of report 20th September Port of Philadelphia No. 4445
Survey held at Camden N. J. Date, First Survey 30th September 1912 Last Survey 11th September 1912

CLASS	100 A	DATE	
Breadth (greatest moulded)		67.0	✓
Depth, at middle of length from top of keel to top of upper deck beams at side		38.0	✓
Transverse Number		105.0	✓
Length on deck from fore part of stem to after part of stern post		478.57	✓
Longitudinal Number		50250.9	✓
Depth "d," at middle of length (See Secs. 2 & 13)		19.5	
Proportions—Depths to Length—Upper Deck Beam at side to top of keel		12.59	
" " Long Bridge Deck Beam at side to top of keel			

Rig 1 mast + derrick posts
 Master T MURASE
 Year of appointment { (1) As Master in service of owner of present vessel. - 191
 (2) As Master of this vessel - 191
 Built at Camden N. J.
 When built 1922 Launched 8th June
 By whom built New York Shipbuilding Corp.
 Owner's Imperial Japanese Government
 Managers
 (Where necessary to be entered in Reg. Book.)
 Residence Tokyo
 Port belonging to -

Net Tonnage 5704.64 Destined Voyage Japan If Surveyed while Building, Afloat, or in Dry Dock While building

GTH on Deck per Rule	Feet. 478	Inches. 7	BREADTH— Moulded	Feet. 67	Inches. 0	DEPTH, ACTUAL— Top of Floors to top of Upper Dk. Beams Do. do. do. do. Second Dk. Beams	Feet. 38	Inches. 1	No. of Decks with flat laid 2 No. of Tiers of Beams <i>long framing</i>
Dimensions of Ship per Register, Length 478.7 breadth 67.3 depth 38.7						Moulded depth, ft. 46 ins. 0	To Bridge Dk.		Round of Upper Dk. Beam, Actual 16 ins.
						Moulded depth, ft. 38 ins. 0	To Upper Dk.		

FRAMING.					PILLARS.					Inches in Ship.		Inches Spacing in Ship.		Inches per Rule, Or as Approved.	
NAME, Angles, or E or L Bars amidships	Longitudinal framing				PILLARS In 'tween Deck, size and spacing										
in peaks	AFT. OF ENG. ROOM BND - KEEL TO LOWER DECK				Hold										
in way of Double Bottoms at Solid Floors	ENGINE ROOM ONLY				Quarter 'tween Dks,										
"	at intermdt. Bkts.				in Hold										
ing of Frames from centre to centre amidships	From 1/2 length to Collision bulkhead				KEELSONS & STRINGERS.					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.
"	AFT. OF ER. BND. in peaks				CENTRE LINE KEELSON, Vertical Plate above					76 1/2 x 2 1/2 lbs					
VERSED FRAME, Angles.	AFT. OF ER. BND				C.L. BND. Through Plate, or Intercostal Plate					6	6	24.2	6	6	24.2
in way of Double Bottoms at Solid Floors	ENGINE ROOM				Rider Plate, LOWER PLATE OF CR. L. BND.										
"	at intermdt. Bkts.				Flat Plate Keel Angles										
MING, depth of girder	AFT. OF ER. BND				Horizontal Plates on Floors										
DORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships...	8				Angles or Bulb Angles										
in way of Engine and Boiler Spaces	3 1/2				SIDE KEELSONS, Number										
thickness at the ends of vessel	3 1/2				Angles or Bulb Angles										
depth at 1/2 the half breadth, as per Rule	3 1/2				Plate above floors, for length...										
height extended at the Bilges	11.1				Intercostal Plate, for length										
DORS in Cell. Double Bottoms.	54				Attached to outside Plating with Angle...										
state if flanged (top & bottom)	70				BILGE KEELSON, Angles										
Spacing of Solid Floors	33				Intercostal Plate for length										
TRE GIRDER, in Dbt bottom, dpth. & thcknss.	54				Attached to outside Plating with Angle ...										
"	3 1/2				SIDE STRINGERS, Number										
"	6				Angles										
"	6				Intercostal Plate, for length										
"	6				Attached to outside plating with Angle...										
Brackets at intermdt. frmg., width & thckns	ER. 10				Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)					78 x 3/60					
E/GIRDERS, number on each side & thickness	ER. 20				br'dth & thickness (in way of Bridge)					DOUBLING 60x30-0 AT POOP & BRIDGE ENDS					
state if flanged (top and bottom)	70				Angle (clear of Bridge)					6 x 6 x 31.0					
Angles (top and bottom)	3 1/2				Tie Plate at sides of Hatchways										
"	3				Deck * Iron or Steel, for WHOLE lng.					STEEL					
"	3				Thickness (clear of Bridge)					20.5, 26.0 x 3/60					
"	3				(in way of Bridge)					DO					
GIN PLATE, depth (exclusive of flange) and thickness	ES. 8 x 24.0				Wood Deck, Material & thickness					NONE					
"	ES. 4 x 4 x 15.7				Second Deck Stringer Plate, br'dth & thickness					72 x 19.0					
"	ES. 4 x 4 x 15.7				Angles on ditto, No. SINGLE					6 x 6 x 19.6					
"	ES. 4 x 4 x 15.7				Tie Plates outside Hatchways										
Brackets at intermdt. frmg., width & thckns	ES. 4 x 4 x 15.7				Deck * Iron or Steel, for WHOLE lng.					STEEL 19.0					
Height of Outside Brackets above at bilge	ES. 4 x 4 x 15.7				Wood Deck, Material & thickness					2 1/2" PINE IN SUMMER TANKS					
ER BOTTOM PLATING, breadth and thickness of Middle Line Strake	49				Third Deck Stringer Plate, br'dth & thickness					46 x 19.0					
"	49				Angles on ditto, No. SINGLE					3 1/2 x 3 1/2 x 17.36					
"	49				Tie Plates outside Hatchways										
"	49				Deck * Material and thickness STEEL					FOR B.O. APT. 15.0					
MS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	49				Fourth and Fifth Deck Stringer Plate, breadth & thickness										
"	49				Angles on ditto, No.										
"	49				Tie Plates outside Hatchways										
"	49				Deck * Material and thickness										
MS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	49				Poop Deck Stringer Plate, breadth & thickness					70 x 27.0					
"	49				Angle on ditto					FORE END. 8 x 8 x 32.7 - 6 x 6 x 31.0 - 3 x 3 x 24					
"	49				Tie Plates										
"	49				Deck. Material and thickness					STEEL SHEATHED WITH 3" PINE					
MS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	49				Bridge Deck Stringer Plate, br'dth & thickness					67 x 14.5					
"	49				Angle on ditto					SINGLE					
"	49				Tie Plates										
"	49				Deck. Material and thickness					STEEL 14.5 SHEATHED 3" PINE					
MS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	49				Forecastle Deck Stringer Plate, b'dth & th'kns					44 x 15.0					
"	49				Angle on ditto					3 1/2 x 3 1/2 x 8.5					
"	49				Tie Plates										
"	49				Deck. Material and thickness					STEEL 12.0 SHEATHED WITH 3" PINE					
MS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	49				Angles on upper edge										
"	49				Spacing										
MS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	49				Angles on upper edge										
"	49				Spacing										

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

[illegible]

EQUIPMENT No. 52435-9				LETTER ft				ANCHORS.				TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS			
Number of Certificate.		Anchors.		WEIGHT, PER CERTIFICATE.		TEST, PER CERTIFICATE.		WEIGHT REQUIRED BY TABLE 31.		Description of Anchor		Makers.		Where and when tested and Superintendent.	
		Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.				
11469	1st Bower	92	1	25	64	0	0	0	90	0	0	ADMIRAL	ADMIRAL ANCHOR	CHESTER, PA.	FEB. 23 RD 1922
11470	2nd "	92	1	25	64	0	0	0	90	0	0	"	"	"	"
11468	3rd "	77	2	19	57	8	2	0	77	2	0	"	"	"	"
	4th "											"	"	"	"
	Collective weight	262	2	13					287	2	0				
11467	Stream	34	3	27	32	7	2	0	33	0	14				
	Kedge.....														
Particulars of Drop Test of Cast Steel Anchors, viz.:—															
		1st Bower		67 - 3 - 11		F.A.		11469		23/2/22					
		2nd "		67 - 3 - 11		F.A.		11470		23/2/22					
		3rd "		56 - 3 - 16		F.A.		11468		23/2/22					
		4th "													
CHAIN CABLES.															
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.	
		Length.	Diam.	Supplied.	Per Rule.	Supplied.	Per Rule.	Length.	Diam.						
327	150 fms.	2 1/2"	17 1/2"	17 1/2"	17 1/2"	17 1/2"	17 1/2"	300	2 1/2"	STUD LINK	NATIONAL MALLEABLE CASTING CO.	SARASOTA, FLA.	Q/S/V G. DRUMMOND		
1403	150 fms.	2 1/2"	17 1/2"	17 1/2"	17 1/2"	17 1/2"	17 1/2"	300	2 1/2"	BRADLEY CHAIN WORKS	PHILADELPHIA	H.C. HANSEN	1/10/22		
1429	120 fms.	2 1/2"	17 1/2"	17 1/2"	17 1/2"	17 1/2"	17 1/2"	300	2 1/2"						
	Chain or Steel Wire														
HAWSERS 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.	
		Length.	Diam.	Supplied.	Per Rule.	Supplied.	Per Rule.	Length.	Diam.						
327	150 fms.	2 1/2"	17 1/2"	17 1/2"	17 1/2"	17 1/2"	17 1/2"	300	2 1/2"	STUD LINK	NATIONAL MALLEABLE CASTING CO.	SARASOTA, FLA.	Q/S/V G. DRUMMOND		
1403	150 fms.	2 1/2"	17 1/2"	17 1/2"	17 1/2"	17 1/2"	17 1/2"	300	2 1/2"	BRADLEY CHAIN WORKS	PHILADELPHIA	H.C. HANSEN	1/10/22		
1429	120 fms.	2 1/2"	17 1/2"	17 1/2"	17 1/2"	17 1/2"	17 1/2"	300	2 1/2"						
	Chain or Steel Wire														
Boats / Motor LAUNCH 30'0"x8'0"x4'-6" + 3 CUTTERS 30'0"x8'0"x2'-10" Steering Gear, Steam ELECTRO HYDRAULIC + TELE MOTOR Steering Gear, Hand BEVEL GEARS															
Pumps, Number 1 PORTABLE FOR PEAKS ✓ Diameter of Barrel 2 1/2" State whether they are in efficient working order YES															
Windlass is STEAM 11'x14" HYDE WINDLASS CO. Compound STEAM TONING MACHINE INT. HYDE WINDLASS CO.															
Engine Room Skylights.—How constructed? PLATES AND ANGLES What arrangements for deadlights in bad weather? GLASS IN STEEL FRAMES															
Coal Bunker Openings.—How constructed? PLATES + ANGLES How are lids secured? BATTENS + CLENTS Height above deck? 24"															
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 7 SCUPPERS EACH SIDE = 4 FREEING PORTS EACH SIDE IN FORE WELL, AFTER WELL OPEN RAILE															
Ceiling in Holds, thickness and material ON SUMMER TANKS ONLY 4'x22" Cargo Battens, thickness and material 6'x2" FORE HOLD + SUMMER TANKS															
Cargo Hatchways.—How formed? PLATES AND ANGLES Hatches, If strong and efficient? YES															
State size No. 1 Hatch (Forward) 10'-0" x 15'-0" No. 2 Hatch BRINE MATCHES 8'-2" x 6'-0" No. 3 Hatch 16'0" OIL MATCHES 6'0" x 8'-0" No. 4 Hatch															
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 1 WEB PLATE TO NO. 1 HATCH															
No. of Breasthooks 2 LASHING DECKS No. of Crutches -															
Bulwarks, height above deck and description 8'-6" x 12'-5" Sides in fore well only Main Rail, material and size 7 x 8 1/2 x 15 x 3 1/4															
The foregoing is a correct description. New York Shipbuilding Corporation, Surveyor's Signature H. F. HORNE															
Builder's Signature (here only) J. D. O'Neil, Naval Architect 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)															
1921 AUG. 17 TH M SEPT. 17 TH , M NOV. 21 ST , M NOV. 30 TH ,															

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.					
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.	Spacing of Rivets on each side of Transverses and Bulkheads.	Rivets in Brackets to Bulkheads.			
		Ins.	Ins.	LBS.	Ins.	Ins.	LBS.	Ins.	Ins.	LBS.	Ins.	Ins.	LBS.			Number.	Diameter.		
Framing of ∇ , ∇ & \square Frames in Bridge 'tween Decks... Frames from Uppermost Continuous Deck No. 1 " 2 " 3 " 4 " 5 " 6 " 7 " 8 " 9 " 10 " 11 " 12 " 13 " 14 " 15 16, 17, 18, 20, 22, 23, 25, 26, 27, 28 Spacing of Longitudinal Frames } Amidships At Ends		Ins.			Ins.			Ins.			Ins.			Ins.		Ins.		Ins.	
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Double Bottoms	} Tank Top Longitudinals	FORW	7	3 1/2	18.9	✓	FORW	7	3 1/2	18.9	7	4 3/8
		AFT.	6	3 1/2	15.3		AFT.	6	3 1/2	15.3	8	4 3/8
✓, ✓, ✓	} Bottom	UNDER BULERS	7	3 1/2	20.3	✓		7	3 1/2	20.3	1	6
Spacing of Longitudinals	{ Amidships											
				30	✓				30			
	{ At Ends...											

Transverses.										Rivets in Lugs to Shell Diam. Speng	
In Bridge 'tween Decks	Depth and Thickness	16 x 15.0		16 x 15.5							
	Face Angles	6 3 1/2 11.7		6 3 1/2 11.7							
	Lugs to Shell*	3 1/2 3 1/2 8.5		3 1/2 3 1/2 8.5						7/8	3 3/8
In Upper Decks.	Depth and Thickness	18 x 18.0		18 x 18.0		18 x 18.0		18 x 18.0			
	Face Angles	6 3 1/2 11.7		6 3 1/2 11.7		6 3 1/2 11.7		6 3 1/2 11.7			
	Lugs to Shell*	3 1/2 3 1/2 9.8		3 1/2 3 1/2 9.8		3 1/2 3 1/2 9.8		3 1/2 3 1/2 9.8		1	4 1/2
In Hold.	Depth and Thickness	36 x 20.0		36 x 20.0		36 x 20.0		36 x 20.0			
	Face Angles	6 3 1/2 22.4		6 3 1/2 22.4		6 3 1/2 22.4		6 3 1/2 22.4			
	Lugs to Shell*	6 6 19.6		6 6 19.6		6 6 19.6		6 6 19.6		1	4 1/2
Brackets		18.0		18.0		18.0		18.0			
Spacing of Transverse Frames		8-7 (7-9) (8-0) (8-3)		8-7 (7-9) (8-0)							
* State if joggled or liners.											

Joggled

20" 11 2/3"