

Shelter Deck,

STEEL STEAMER.

No. 6794.

or Pt. Awning Deck.

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

Port of Belfast

Date of completion of Report 15th June 1910

Received at London Office

THUR. 18 JUN 1910

Survey held at Belfast

Date, First Survey 28th October 1907

Last Survey 7th June 1910

1910

On the Steel Twin Screw Steamer "MURITAI"

Rig fore & aft schooner

TONNAGE under Tonnage Deck...	
Do. between Tonnage Dk. and 3rd, 4th, or Awning Dk.	6875.19
Total under Upper Dk.	
Do. of Poop	64.44
Do. of R. Qr. Dk.	6.59
Do. of Bridge House	4.19
Do. of Forecastle	100.81
Do. of Houses on Deck	219.54
Do. of excess of Hatchways	2.53
Do. above Crown of Engine Room	7279.59
Gross Tonnage	165.99
Less Crew Space	
Less above Crown of Engine Room	
TONNAGE FOR FEES...	7083.60
Less Engine Room	2329.47
Less Navigation Spaces	78.68
Net Tonnage	4675.45
on Beam...	30.10

CLASS 100 A1 Shelter Deck	
Breadth (greatest moulded)	58.00
Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck	42.98
Deduct height of 'tween deck when this does not exceed 8ft.	8.00
Transverse Number	92.98
Length on deck from fore part of stem to after part of sternpost	469.75
Longitudinal Number	43677
Depth "d" at middle of length. See Secs. 2 & 13	20.76
Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel	10.93
" " Upper Deck at side to top of keel	13.66

Master	
Year of Appointment	
Built at	Belfast.
When built	1910.6 mo. Launched 28th April 1910
By whom built	Workman Clark & Co. Ltd.
Owners	Essex Line Ltd.
Managers	Essex Line
Residence	
Port belonging to	London.

NGTH on as per Rule	Ft.	Ins.	BREADTH Moulded	Ft.	Ins.	DEPTH, ACTUAL	Top of Floors to top of Awn. or Shelter Dk. Beams	Ft.	Ins.	No. of Decks with flat laid	No. of Tiers of Beams
Length	470		58.23		31.7	Upper Deck.	Moulded depth, ft. 42 ins. 0			Round up of Uppermost Dk. Beam, Actual	1/2 ins.

FRAMING.		Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	FORGINGS AND CASTINGS.		Inches in Ship.	Inches per Rule Or as Approved.
ME, Angles or Bars, amidships	9x3 1/2x3 1/2	46 9/16	3 1/2	46 9/16	3 1/2	46 9/16	3 1/2	KEEL, Bar, depth and thickness	FLAT PLATE		
" in peaks	3 1/2	46 9/16	3 1/2	46 9/16	3 1/2	46 9/16	3 1/2	STEM, moulding and thickness	11x2 1/8	11x2 1/8	
" in way of Double Bottoms at Solid Floors	3 1/2	46 9/16	3 1/2	46 9/16	3 1/2	46 9/16	3 1/2	STERN-POST for Rudder do. do.	Steel casting	Open section	
" at intermdt. Bkts.	28		28		28		28	" for Propeller	as per plan	12x12	
ng of Frames from centre to centre amidships	28		28		28		28	RUDDER-AxD* Table 22	648		
length to collision bulkhead	27		27		27		27	" Main Piece, diameter at head	12	12	
of Frames from centre to centre in peaks	24		24		24		24	" " " " at heel	9	9	
ERSED FRAME, Angles	3 1/2x3 1/2	46 9/16	3 1/2	46 9/16	3 1/2	46 9/16	3 1/2	RUDDER, how constructed	Single Plate, forged, keyed arms.		
MING, depth of girder	9		9		9		9	Can the Rudder be unshipped afloat?	Yes.		
ORS, depth and thickness of Floor Plate								KEELSONS AND STRINGERS.			
at mid-line for 1/2 length amidships								CENTRE LINE KEELSON, Vertical Plate above			
in way of Engine and Boiler spaces								" Rider Plate			
thickness at the ends of vessel								" Flat Keel Plate Angles			
depth at 1/2 the half-bdth. as per Rule								" Horizontal Plates on Floors			
height extended at the Bilges								" Angles or Bulb Angles			
ORS & BRACKETS, in Cell Dble Bottoms								" SIDE KEELSONS, Number			
state if flanged (top & bottom)								" Angles or Bulb Angles			
spacing								" Plate above floors, for			
TRE GIRDER, in Dbl. bottom, dpth. & thickness								" Intercoastal Plate, for			
" Angles, Top								" Attached to outside plating with Angle			
" Bottom								" BILGE KEELSON, Angles			
" to Floors								" Intercoastal Plate, for			
E GIRDERS, number and thickness								" Attached to outside plating with Angle			
state if flanged (top & bottom)								" SIDE STRINGERS, Number			
Angles								" Angle			
GIN PLATE, depth (exclusive of flange)								" Intercoastal Plate, for			
and thickness								" Attached to outside plating with Angle			
Angles to outside plating								Awning or Shelter Deck Stringer Plates,			
Height of Brackets above at bilge								breadth and thickness			
ER BOTTOM PLATING, breadth and thickness of Middle Line Strake								" Angle on ditto			
" thickness in Engine and Boiler space								" Tie Plates, fore and aft, outside Hatchways			
" Remainder in Holds								" Deck * Iron or Steel, for			
MS, Awning or Shltr Dk, Single Angle,								" Wood Deck, Material & thickness			
Bulb Angle, Plate, Tee Bulb or Channel								Upper or Second Deck Stringer Plate,			
Angles on upper edge								breadth and thickness			
Spacing								" Angles on ditto, No.			
MS, Upper or Second Deck, Single Angle,								" Tie Plates, outside Hatchways			
Bulb Angle, Plate, Tee Bulb or Channel								" Deck * Iron or Steel, for			
Angles on upper edge								" Wood Deck, Material & thickness			
Spacing								Third Deck Stringer Plates, br'dth & thckn's			
MS, Third or Fourth Deck, Single Angle,								" Angles on ditto, No.			
Bulb Angle, Plate, Tee Bulb or Channel								" Tie Plates, outside Hatchways			
Angles on upper edge								" Deck * Material and thickness			
Spacing								Fourth and Fifth Deck Stringer Plate,			
MS, Fourth or Fifth Deck, Plate, Tee								breadth and thickness			
Bulb or Channel								" Angles on ditto, No.			
Angles on upper edge								" Tie Plates, outside Hatchways			
Spacing								" Deck, Material and thickness			
MS, Poop Deck, Angle, Bulb Angle, Plate,								Poop Deck Stringer Plate, breadth & thickness			
Tee Bulb or Channel								" Angles on ditto			
Angles on upper edge								" Tie Plates			
Spacing								" Deck, Material and thickness			
MS, Bridge Deck, Angle, Bulb Angle, Plate,								Bridge Deck Stringer Plate, br'dth & thckn's			
Tee Bulb or Channel								" Angle on ditto			
Angles on upper edge								" Tie Plates			
Spacing								" Deck, Material and thickness			
MS, Forecastle Deck, Angle, Bulb Angle,								Forecastle Deck Stringer Plate, br'dth & thckn's			
Plate, Tee Bulb or Channel								" Angle on ditto			
Angles on upper edge								" Tie Plates			
Spacing								" Deck, Material and thickness			
LARS, In 'tween Deck, size and spacing								* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.			
" Hold								BULKHEADS.			
" Quarter, 'tween Dks., "								Number.			
" in Hold								In Vessel.			
B-FRAMES, In Fore Body, No. and spacing								Per Rule.			
" No. of Side Stringers								Thickness.			
B-FRAMES, In E. & B. Space, No. & spacing								Horizontal.			
" br'dth. & thickness								Size.			
WEB FRAMES, In After Body, No. and spacing								Spacing.			
" br'dth. & thickness								Vertical.			
" No. of Side Stringers								Size.			
" Size of Face Angles to Web Frames								Spacing.			
BRACKET PLATES to Stringers between								Single or Double Frames.			
Web Frames, depth and thickness								Height up.			

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.								
	AMIDSHIP.		FORWARD.	AFT.	AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.	Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.				
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.					Diam.	Spacing or cr. to cr.	Diam.	Spacing or cr. to cr.	Breadth.	Thickness.	Breadth.	Thickness.	
FLAT PLATE KEEL	50	1.16	80	80	50	1.16	Double	6 3/4	1 1/2	4	Double	1 1/2	4	2 1/2	7 1/2	Double	1 1/2		
GARBOARD OR A STRAKE	52	72	52	60	52	72													
B	67	72	52	60	67	72													
C	68	72	52	60	68	72													
D	64	72	52	60	64	72													
E	67	72	52	60	67	72													
F	67	72	52	60	67	72													
G	67	72	52	60	67	72													
H	67	68	48	52	67	68													
J	68 1/2	68	48	50	68 1/2	68	Double	6											
K	68 1/2	68	48	48	68 1/2	68													
L	68 1/2	73	48	48	68 1/2	68													
M	56	68	48	48	56	68													
N	62	84	48	48	62	70													
O	47	85	48	48	47	76													
P																			
Q																			
R																			
S																			
DOUBLING OF FLAT PLATE KEEL																			
of Sheerstrakes																			
(Length and Thickness)																			
POOF SIDES																			
SHORT BRIDGE SIDES																			
FORECASTLE SIDES																			
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.?							Awning or Shelter Deck (Butts, <u>Double</u> riveted for <u>full</u> length amidship. Stringer Plate (Straps, <u>single</u> or overlapped for <u>full</u> length amidship. Second Deck (Butts, <u>Double</u> riveted for <u>full</u> length amidship. Stringer Plate (Straps, <u>single</u> or overlapped for <u>full</u> length amidship. Butts of Side Stringers <u>Double</u> riveted. Tie Plates <u>Double</u> riveted. Inner Bottom Plating, riveting of Edges <u>Single</u> Butts <u>Double</u> riveted. Centre Girder Butts, <u>Double</u> riveted Keelson Butts, <u>Double</u> riveted. Frames, riveted through Plates with <u>1</u> in. Rivets, about <u>5</u> apart. Rivets, state whether Iron or Steel <u>Iron</u> .												
Has the Steel been tested as required by the Rules? <u>Yes</u>							state if ordinary or joggled? <u>Applied on floor</u>												
FRAMES extend in one length from <u>Keel to Margin Plate & thence to gunwale</u>							state if ordinary or joggled? <u>state if ordinary or joggled?</u>												
REVERSED FRAMES on floors and frames extend from <u>Middle Line to Margin and thence to 2nd</u>							state if ordinary or joggled? <u>state if ordinary or joggled?</u>												
deck beams on channel frames; to Upper & Shelter Decks alternately in fore peak, all to Upper Deck in after peak																			
MASTS, SPARS, &C.																			
		Material.		Total Length		DIAMETER AND THICKNESS.		No. of Plates in round.		ANGLES.		RIVETING.							
						At Partners. Heel. Hounds. Head.				Number. Size.		Seams. Butts.							
LOWER MASTS....		Fore		63'-2"		24 x 9/16 20 x 9/16 17 x 7/8		Two		Three 3 x 3 x 7/16		Single		Double					
		Main		64'-1"		22 x 5/16 19 x 5/16 17 x 7/8		Two											
		Mizen																	
Bowsprit																			
Topmasts, Yards and Remainder of Spars																			
Rigging, Material and Size, Shrouds																			
Sails, <u>Complete</u>		Suit of <u>fore & aft</u>																	
Sails, and the following spare sails																			
EQUIPMENT No. <u>47053</u> LETTER <u>dt</u>																			
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. cwt. qrs. lbs.		Cwts. qrs. lbs.									
13142		1st Bower		81 2 0		53 1 21		59 10 0 0		81 1 0		Ryers Patent Shrouds		H. L. Ryers & Co		Sunderland 24.5.10			
13143		2nd "		81 2 0		53 1 14		59 10 0 0		81 1 0						24.5.10			
13144		3rd "		71 0 0		45 3 7		54 5 0 0		69 2 0 0						24.5.10			
		Collective weight		234 0 0						232 0 0									
14054		Stream		23 1 20		6 0 20		23 10 0 0		23 2 0 0		Rodgers Improved		H. Rodgers & Co		Bristol 18.5.10			
14055		Kedge		11 0 0		2 3 19		12 17 2 0		11 0 0						19.5.10			
CHAIN CABLES.																			
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. Diam.		Tons. Tons.		Cwts. qrs. lbs. Cwts. qrs. lbs.		Fathoms. Ins.											
11408		150 2 1/2		112.5 157.5		473.2 2.27		300 2 1/2		Stand		H. Rodgers & Co		Bristol 19.5.10		TOWLINE			
11415		150 2 1/2		-		-		300 2 1/2		Stand		-		-		HAWERS & WARPS			
		300 2 1/2		-		-		300 2 1/2		-		-		-		-			
Iron Stream Chain or Steel Wire...		120 2 1/2		65		-		120 2 1/2		Oil		Steel Wire		Bathurst & Co		-			
HAWERS 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. Diam.		Tons. Tons.		Cwts. qrs. lbs. Cwts. qrs. lbs.		Fathoms. Ins.											
11408		150 2 1/2		112.5 157.5		473.2 2.27		300 2 1/2		Stand		H. Rodgers & Co		Bristol 19.5.10		TOWLINE			
11415		150 2 1/2		-		-		300 2 1/2		Stand		-		-		HAWERS & WARPS			
		300 2 1/2		-		-		300 2 1/2		-		-		-		-			
Iron Stream Chain or Steel Wire...		120 2 1/2		65		-		120 2 1/2		Oil		Steel Wire		Bathurst & Co		-			
Boats 2 Life boats & 2 Cutters.																			
Pumps, Number <u>Douglas</u> pump connected to engine																			
Windlass is <u>Steam</u> <u>Black Chapman</u> & Co																			
Engine Room Skylights.—How constructed? <u>Steel Plates and angles.</u>																			
What arrangements for deadlights in bad weather? <u>Bulls eyes & shutters.</u>																			
Coal Bunker Openings.—How constructed? <u>Flush</u> <u>Shutters</u> How are lids secured? <u>Latching Rings</u> Height above deck? <u>11ft</u>																			
Number of Scuppers, and number and dimensions of Freeing Ports, &c. <u>6 Scuppers each side.</u>																			
Ceiling in Holds, thickness and material <u>2 1/2" W. Pine</u> Cargo Battens, thickness and material <u>6" x 2" W. Pine</u>																			
Cargo Hatchways.—How formed? <u>Steel Plates & angles</u> Hatches, If strong and efficient? <u>Yes</u>																			
State size No. 1 Hatch (Forward) <u>20' x 16'</u> No. 2 Hatch <u>28' x 16'</u> No. 3 Hatch <u>18' 6" x 16'</u> No. 4 Hatch <u>23' 16" x 25' 16"</u>																			
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch <u>One web & 4 bulk beams in No. 1. Two webs and 3 bulk beams in No. 2-3 and 4, and one web and 2 bulk beams in No. 5</u> No. of Breasthooks <u>202</u>																			
Bulwarks, height above deck and description <u>Open rails.</u> Main Rail and Stays, material and size <u>6" x 2" W. Pine</u>																			
The above is a correct description.																			
Builder's Signature (here only.) <u>P. H. H. H.</u> Surveyor's Signature <u>P. H. H. H.</u>																			

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case)

M 11/9/09, 8/10/09, 18/10/09, 18/11/09 E 27/11/09, M 13/12/09, M 7/3/10.

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.

to plate, &c., conform well to each other? Yes.

from the faying surfaces? Yes.

Do any rivets break into or through the seams or butts of plating? very 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.)

This vessel has been built in accordance with the plans approved by the Committee, the Surveyor's letters of the above-mentioned dates and in other respects in general conformity with the Rules and the workmanship and materials are good throughout.

The keel was sighted before launching and found straight.

The vessel is insulated in Nos 1-2 and 4 Holds and Tween Decks for the carriage of frozen meat cargoes.

The approved Plans 12 in number together with five forging reports are forwarded herewith.

It will be observed that the stream anchor is 8 lbs less than the Rule weight, ex stock, but when the stock is taken into account the anchor is 26 lbs heavier than Rule and is submitted for approval.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., F'castle ft. (in feet and inches). When the Poop is joined to the B.D., this should be distinctly stated Shelter Deck all fore aft.

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 Decks (Stl) and Shelter Deck (Stl-w-2) and deep framing.

Official No. 129099; Signal Letters

State if Machinery is fitted aft no.

How are the surfaces preserved from oxidation? Inside Paint and Portland 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,	130-8"	362	Fore peak tank,		
Double bottom, under Engines and Boilers,	79-4"	357	After peak tank,		46
Double bottom, if under Engines only,			Deep tank aft,		
Double bottom, if under Boilers only,			Deep tank forward,		
Double bottom, forward,	200-6"	665	Other tanks, if fitted,		
	Total capacity of double bottom	1384	(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 Yes.

For Special Survey No. 541

Date 14th Oct. 1909.

291 in builder's yard.

DATES of Surveys held while building

1909 Oct 28, Nov 4-5-10-18-25, Dec 7-13-20, 1910 Jan 3-5-10-18-24-25-28, Feb 4-8-10-16-22-24-28, Mar 4-8-10-11-17-21-24-30-31, Apr 5-6-8-11-12-14, Apr 20-22-26-27, May 10-16-19-24-25-30, June 1-3-7.

Total No. of Visits 51

Amount of Entry Fee £ 5 : 0 : 0
Special £ 204 : 2 : 0
Travelling Expenses, if any £ : :
Fees applied for, 13 June 1910
Received by me, 16-6-1910

Certificate to be sent to This Office.

Whether the Vessel has been built under Special Survey Yes.
In opinion this Vessel should be Classed 100 A1, Shelter Deck.
With, or without Freeboard, as condition of Class With freeboard.

E. P. Kendall.
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

FRI 17 JUN 1910

Character assigned

100 A1
Shelter Deck with fld

Lloyd's A.S.B. P

+ Lmb 6.10

Wm. Bel. M

Certs received 17/6/10.