

With or Without  
Disconnected Erections.

STEEL STEAMER.

Received at London Office THU 18 AUG 1910

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

Date of completion of report 17<sup>th</sup> August 1910 Port of Sunderland No. 24561  
Survey held at Sunderland Date, First Survey 2<sup>nd</sup> February 1910 Last Survey 10<sup>th</sup> August 1910  
On the Steel Screw Steamer Boyne Rig Fore & aft schooner

TONNAGE under  
Tonnage Deck... 4113.08  
Do. below Tonnage Dk. and 2nd and 4th Dk.  
Total under Upper Dk. 4113.08  
Do. of Poop 27.97  
Do. of R.C. Dk.  
Do. of Bridge House 16.84  
Do. of Forecastle 50.68  
Do. of Houses on Dk. 81.70  
Do. of excess of Hatchways 38.14  
Do. above Crown of Engine Room 103.00  
Gross Tonnage 4431.41  
Less Crew Space 117.22  
Less above Crown of Engine Room 103.00  
TONNAGE FOR FEES 4211.19  
Less Engine Room 1418.05  
Less Navigation Spaces 57.67  
When Ballast 64.68  
When Crown & R + 103.00  
Register Tonnage as cut on Beam 2770.79

CLASS  
Breadth (greatest moulded) 51.16  
Depth, at middle of length from top of keel to top of upper deck beams at side 28.75  
Transverse Number 79.91  
Length on deck from fore part of stem to after part of stern post 373.66  
Longitudinal Number 2985.9  
Depth "d," at middle of length (See Secs. 2 & 13) 17.2  
Proportions—Depths to Length—Upper Deck Beam at side to top of keel 12.99  
" " Long Bridge Deck Beam at side to top of keel 10.45

Master S G Dale  
Year of appointment (1) As Master in service of owner of present vessel: 1896  
(2) As Master of this vessel: 1910  
Built at Sunderland  
When built 1910 Launched 18<sup>th</sup> June 1910  
By whom built J L Thompson & Sons Ltd  
Owners Mercantile Steamship Co Ltd  
Managers D. D.  
(Where necessary to be entered in Reg. Book.)  
Residence 7071 Bishopsgate St Within London.  
Port belonging to London

Destined Voyage Australia

Surveyed while Building, Afloat, or in Dry Dock Built under Special Survey

LENGTH on Deck Feet. Inches. 373 8  
BREADTH—Feet. Inches. Moulded 51 2  
DEPTH, ACTUAL—Top of Floor to top of Upper Dk. Beams Feet. Inches. 26 2  
Do. do. do. Second Dk. Beams 18 2  
No. of Decks with flat laid Two.  
No. of Tiers of Beams Two.  
Moulded depth, ft. 35 ins. 9 To Bridge Dk. Round of Upper Dk. Beam, Actual 12 ins.  
Moulded depth, ft. 28 ins. 9 To Upper Dk.

FRAMING.				PILLARS.			
Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
FRAME, Angles, or [ Bars amidships 7.2	9	3 1/2	56	9	3 1/2	56	
Do. in peaks (also amidships 2.2 x 3.2 x 3.6)	7	3 1/2	42	7	3 1/2	42	
Do. in way of Double Bottoms at Solid Floors...	3 1/2	3 1/2	46	3 1/2	3 1/2	46	
" " at intermdt. Bkts.	7			7			
Spacing of Frames from centre to centre amidships	25 1/2			25 1/2			
" " length to Collision bulkhead	25 1/2			25 1/2			
" " in peaks.	24			24			
REVERSED FRAME, Angles.	Deep Bulk Angle						
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.	7			7			
FRAMING, depth of girder	Bulk angle = 9°						
FLOORS, depth and thickness of Floor Plates at mid-line for 1 length amidships...	40	36	40	36			
" in way of Engine and Boiler Spaces	40	50	40	50			
" thickness at the ends of vessel	38			38			
" depth at 1/2 the half breadth, as per Rule	7			7			
" height extended at the Bilges	No flanging						
FLOORS & BRACKETS in Cell Dble Bottoms	40	36	40	36			
" " state if flanged (top & bottom)	Flanged on top						
" " Spacing	25 1/2			25 1/2			
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.	42	50	42	50	40		
" " Angles, Top	5 1/2	2 1/2	50	3 1/2	3 1/2	50	
" " Bottom	4 1/2	4 1/2	60	4 1/2	4 1/2	60	
" " to Floors	5	5	54	5	5	54	
SIDE GIRDERS, number on each side & thickness	Two	38	Two	38			
" " state if flanged (top and bottom)	No flanging						
" " Angles (top and bottom)	3 1/2	3 1/2	40	3 1/2	3 1/2	40	
" " to Floors	3	3	40	3	3	40	
MARGIN PLATE, depth (exclusive of flange) and thickness	3 1/2	46	3 1/2	46			
" " Angles to Outside Plating	3 1/2	3 1/2	46	3 1/2	3 1/2	46	
" " Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40	
" " Height of Brackets above at bilge	3 1/2			3 1/2			
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	42	50	42	50	40		
" " in Engine and Boiler space	5 1/2	5 1/2	54	5 1/2	5 1/2	54	
" " Remainder in Holds	40	34	40	34			
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	6	3	40	6	3	40	
" " Angles on upper edge							
" " In way of Long Bridge	8 1/2	3 1/2	60	8 1/2	3 1/2	60	
" " Spacing	25 1/2			25 1/2			
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	56	9	3 1/2	56	
" " Angles on upper edge							
" " Spacing	51			51			
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel							
" " Angles on upper edge							
" " Spacing							
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7	3	40	7	3	40	
" " Angles on upper edge							
" " Spacing	24	25 1/2	24	25 1/2			
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	6 1/2	3	40	6 1/2	3	40	
" " Angles on upper edge							
" " Spacing	24	25 1/2	24	25 1/2			
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8 1/2	3 1/2	50	8 1/2	3 1/2	50	
" " Angles on upper edge							
" " Spacing	28	51	28	51			
PILLARS, In 'tween Deck, size and spacing				KEELSONS & STRINGERS.			
" " Hold	"	"	"	CENTRE LINE KEELSON, Vertical Plates above floor, Through Plate, or Intercoastal Plate			
" " Quarter 'tween Dks.	"	"	"	Rider Plate	Cellular Double Bottom		
" " in Hold	"	"	"	Flat Plate Keel Angles			
SIDE KEELSONS, Number				Horizontal Plates on Floors			
" " Angles or Bulb Angles				Angles or Bulb Angles			
" " Plate above floors, for length				Attached to outside Plating with Angle			
" " Intercoastal Plate, for length				BILGE KEELSON, Angles			
" " Attached to outside Plating with Angle				Intercoastal Plate for Bulk length	9	44	9
" " Attached to outside Plating with Angle				Attached to outside Plating with Angle	1 Bar 6 in	44	6
" " Attached to outside Plating with Angle				SIDE STRINGERS, Number	One		
" " Attached to outside Plating with Angle				" " Angle	6	3 1/2	52
" " Attached to outside Plating with Angle				" " Intercoastal Plate, for full length	3 1/2	3 1/2	42
" " Attached to outside Plating with Angle				" " Attached to outside plating with Angle	3 1/2	3 1/2	42
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	56	46	56	46	42		
" " br'dth & thickness (in way of Bridge)	56	46	56	46	42		
" " Angle (clear of Bridge)	5	5	54	5	5	54	
" " Tie Plate at sides of Hatchways	One	3/4	One	3/4	One	3/4	One
" " Deck * Iron or Steel, for full lng.	44	36	44	36	42		
" " Thickness (clear of Bridge)	34		34		34		
" " (in way of Bridge)	34		34		34		
" " Wood Deck, Material & thcknss	None		None		None		
Second Deck Stringer Plate, br'dth & thickness	54	44	54	44	42		
" " Angles on ditto, No.	3 1/2	3 1/2	46	3 1/2	3 1/2	46	
" " Tie Plates outside Hatchways							
" " Deck * Iron or Steel, for full lng.	34		34		34		
" " Wood Deck, Material & thickness	None		None		None		
Third Deck Stringer Plate, br'dth & thickness							
" " Angles on ditto, No.							
" " Tie Plates outside Hatchways							
" " Deck * Material and thickness							
Fourth and Fifth Deck Stringer Plate, br'dth & thickness							
" " Angles on ditto, No.							
" " Tie Plates outside Hatchways							
" " Deck * Material and thickness							
Poop Deck Stringer Plate, breadth & thickness	34	34	34	34	34		
" " Angle on ditto	3 1/2	3 1/2	34	3 1/2	3 1/2	34	
" " Tie Plates							
" " Deck. Material and thickness	Steel		30		30		
Bridge Deck Stringer Plate, br'dth & thickness	62	54	62	54	56		
" " Angle on ditto	4 1/2	4 1/2	56	4 1/2	4 1/2	56	
" " Tie Plates	One	3/4	One	3/4	One	3/4	One
" " Deck. Material and thickness	Steel		40		40		
Forecastle Deck Stringer Plate, br'dth & th'kns	34	34	34	34	34		
" " Angle on ditto	3 1/2	3 1/2	34	3 1/2	3 1/2	34	
" " Tie Plates	None		None		None		
" " Deck. Material and thickness	Steel		30		30		

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



Form No. 1A. WEB FRAMES, FORGINGS OR CASTINGS, BULKHEADS, COLLISION PARTITION, LONGITUDINAL, PLATING, RIVETING, BUTTS, STRAITS, IF LAPPED, UPPER DECK STRINGER PLATE, SECOND DECK STRINGER PLATE, FRAMES, REVERSED FRAMES, MASTS, SPARS, &c., LOWER MASTS, BOWSPRIT, TOPMASTS, YARDS AND REMAINDER OF SPARS, RIGGING, SAILS.

Mechanical Tests, EQUIPMENT No. 31349, LETTER, ANCHORS, TONNAGE U.K. OR PLATING No. FOR TRAWLERS, CHAIN CABLES, HAWSERS AND WARPS, Boats, Steering Gear, Pumps, Windlass, Engine Room Skylights, Coal Bunker Openings, Number of Scuppers, Ceiling in Holds, Cargo Hatchways, State size No. 1 Hatch, Number of Web Plates, Bulwarks, Correspondence, Workmanship, Is the riveted work properly closed?, Are the liners between the frames and plates solid single pieces?, Are the butts of Plating, Stringers, &c., properly shifted and strapped or lapped?, Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)?, Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)?, General Remarks, The Surveyor should state the Number of Report and Name of any Sister Vessel, The amount of Entry Fee, Special Survey Fee, Travelling Expenses, State whether the Vessel has been built under Special Survey, I am of opinion this Vessel should be Classed, With or without Freeboard, as condition of Class, Committee's Minute, Character assigned.



GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 25 1/2 ft., R.Q.D. ft., Bridge 159 3/4 ft., Forecastle 38 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) 2 D 4 S 2  
 Official No. 129121; Signal Letters  
 How are the surfaces preserved from oxidation? Inside Cement & paint Outside Paint  
 State if Machinery is fitted aft No

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,	129 7/8	389	Fore peak tank,	-	93.
Double bottom, under Engines and Boilers,			After peak tank,	-	130
Double bottom, under Engines only,	23 4/8	94	Deep tank, aft,		
Double bottom, under Boilers only,	17 0	69	Deep tank, forward,		
Double bottom, forward,	159 4/8	555	Other tanks, if fitted,		
Total capacity of double bottom		1107	(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

Order for Special Survey No. 4785

Date 12.11.1909

No. 473 in builder's yard.

DATES OF SURVEYS held while building

1909 Feb. 2, 7, 15, 18, 24, 25. Mar. 1, 2, 8, 9, 10, 22, 31. Apr. 1, 4, 11, 14, 18, 29. May 3, 6, 12, 19, 20, 26, 30. June 1, 3, 6, 7, 8, 16, 27. July 1, 7, 9, 12, 14, 26, 28, 29. Aug. 3, 4, 5, 8, 9, 10.

Surveyor's Signature

J. S. Shupe.

Total No. of Visits 47

Lloyd's Register Foundation