

Awning ~~Shelter~~ Deck,

## STEEL STEAMER.

No. 6894

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

Port of *Belfast* Date of completion of Report *16th January 1911* Received at London Office *WED 18 JAN 1911*

Survey held at *Belfast* Date, First Survey *4th January 1910* Last Survey *10th January 1911*

On the *Steel Twin Screw Steamer "THEMISTOCLES"* Rig *fore and aft schooner*

TONNAGE under  
Tonnage Deck... *7484.41*  
Do. between Tonnage Dk. and  
3rd, 4th, or Awning Dk. *2089.52*  
Total under Upper Dk. *9573.92*  
Do. of Poop *177.28*

CLASS *100 A1 "Awning Deck"*

FEET.

Breadth (greatest moulded) *62.00*

Depth, at middle of length from top of keel to top of

beams at side of uppermost Continuous Deck *42.71*Deduct height of 'tween deck when this does not exceed 8ft. *8.00*Transverse Number *96.71*

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

sternpost *500*Longitudinal Number *48355*Depth "d" at middle of length. See Secs. 2 & 13... *18.24*

Proportions, Depths to Length, Uppermost Continuous

Deck at side to top of keel *11.7*" " " " *9.8*Destined Voyage *Australia*If Surveyed while Building, Afloat, or in Dry Dock *Building*Master *A. H. Douglas*Year of Appointment *(1) As Master in service of  
(2) As Master of this vessel 1911*Built at *Belfast*When built *1911* - *1 mo* Launched *22nd Sept 1910*By whom built *Harland & Wolff Ltd*Owners *Les Thompson & Co. Ltd (Aberdeen Line)*

Managers

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

Residence

Port belonging to *Aberdeen*

LENGTH on Ft. Ins. BREADTH Ft. Ins. DEPTH, ACTUAL—Top of Floors to top of Awn. or Shelter Dk. Beams  
k as per Rule 500 0 Moulded 62 0 Do. do. Upper Deck Beams 39 3/4 2

Moulded depth, ft. 42 ins. 8 1/2 To Awning or Shelter Dk. Round up of Uppermost } 12 ins.  
Moulded depth, ft. 34 ins. 5 1/2 To Upper Dk. normal line. Dk. Beam, Actual }

Dimensions of Ship per Register, Length 500.6 breadth 62.35 depth 31.15 Upper Deck.

FRAMING. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship.

NAME, Angles, or Bars, amidships 9 x 3 1/2 x 3 1/2 5/8 9 x 3 1/2 x 3 1/2 5/8 14 1/2

in peaks 6 3 1/2 5/8 6 3 1/2 5/8 14 1/2

in way of Double Bottoms at Solid Floors 3 1/2 3 1/2 5/8 3 1/2 3 1/2 5/8

at intermediate Dkts. 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

acing of Frames from centre to centre amidships 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

length to collision bulkhead 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

of Frames from centre to centre in peaks 3 1/2 3 1/2 5/8 3 1/2 3 1/2 5/8

VERSED FRAME, Angles 3 1/2 3 1/2 5/8 3 1/2 3 1/2 5/8

AMING, depth of girder 9 9 5/8 9 9 5/8

DOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships 4 1/2 4 1/2 5/8 4 1/2 4 1/2 5/8

in way of Engine and Boiler spaces 3 1/2 3 1/2 5/8 3 1/2 3 1/2 5/8

thickness at the ends of vessel 3 1/2 3 1/2 5/8 3 1/2 3 1/2 5/8

depth at 1/2 the half-bdth. as per Rule 3 1/2 3 1/2 5/8 3 1/2 3 1/2 5/8

height extended at the Bilges 3 1/2 3 1/2 5/8 3 1/2 3 1/2 5/8

DOORS & BRACKETS, in Cell Dble Bottoms state if flanged (top & bottom) 4 1/2 4 1/2 5/8 4 1/2 4 1/2 5/8

spacing 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

ENTRE GIRDER, in Dbl. bottom, dpth. & thickness 5 1/2 5 1/2 5/8 5 1/2 5 1/2 5/8

Angles, Top 3 1/2 3 1/2 5/8 3 1/2 3 1/2 5/8

Bottom 4 1/2 4 1/2 5/8 4 1/2 4 1/2 5/8

to Floors 3 1/2 3 1/2 5/8 3 1/2 3 1/2 5/8

DE GIRDERS, number and thickness 3 1/2 3 1/2 5/8 3 1/2 3 1/2 5/8

state if flanged (top & bottom) 3 1/2 3 1/2 5/8 3 1/2 3 1/2 5/8

Angles 3 1/2 3 1/2 5/8 3 1/2 3 1/2 5/8

MARGIN PLATE, depth (exclusive of flange) and thickness 4 1/2 4 1/2 5/8 4 1/2 4 1/2 5/8

Angles to outside plating 4 1/2 4 1/2 5/8 4 1/2 4 1/2 5/8

to floors 3 1/2 3 1/2 5/8 3 1/2 3 1/2 5/8

Height of Brackets above at bilge 3 1/2 3 1/2 5/8 3 1/2 3 1/2 5/8

INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake 5 1/2 5 1/2 5/8 5 1/2 5 1/2 5/8

thickness in Engine and Boiler space 9 1/2 9 1/2 5/8 9 1/2 9 1/2 5/8

Remainder in Holds 4 1/2 4 1/2 5/8 4 1/2 4 1/2 5/8

BEAMS, Awning or Shelter Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel 7 x 3 1/2 x 3 1/2 5/8 7 x 3 1/2 x 3 1/2 5/8

Angles on upper edge 7 x 3 1/2 x 3 1/2 5/8 7 x 3 1/2 x 3 1/2 5/8

Spacing 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

BEAMS, Upper or Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel 8 x 3 1/2 x 3 1/2 5/8 8 x 3 1/2 x 3 1/2 5/8

Angles on upper edge 8 x 3 1/2 x 3 1/2 5/8 8 x 3 1/2 x 3 1/2 5/8

Spacing 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

BEAMS, Third or Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel 9 x 3 1/2 x 3 1/2 5/8 9 x 3 1/2 x 3 1/2 5/8

Angles on upper edge 9 x 3 1/2 x 3 1/2 5/8 9 x 3 1/2 x 3 1/2 5/8

Spacing 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

BEAMS, Fourth or Fifth Deck, Plate, Tee Bulb or Channel 8 x 3 1/2 x 3 1/2 5/8 8 x 3 1/2 x 3 1/2 5/8

Angles on upper edge 8 x 3 1/2 x 3 1/2 5/8 8 x 3 1/2 x 3 1/2 5/8

Spacing 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel 7 x 3 1/2 x 3 1/2 5/8 7 x 3 1/2 x 3 1/2 5/8

Angles on upper edge 7 x 3 1/2 x 3 1/2 5/8 7 x 3 1/2 x 3 1/2 5/8

Spacing 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel 7 x 3 1/2 x 3 1/2 5/8 7 x 3 1/2 x 3 1/2 5/8

Angles on upper edge 7 x 3 1/2 x 3 1/2 5/8 7 x 3 1/2 x 3 1/2 5/8

Spacing 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel 7 x 3 1/2 x 3 1/2 5/8 7 x 3 1/2 x 3 1/2 5/8

Angles on upper edge 7 x 3 1/2 x 3 1/2 5/8 7 x 3 1/2 x 3 1/2 5/8

Spacing 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

PILLARS, In 'tween Deck, size and spacing 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

Hold 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

Quarter, 'tween Dks., 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

in Hold 1 1/2 1 1/2 5/8 1 1/2 1 1/2 5/8

WEB FRAMES, In Fore Body, No. and spacing 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

No. of Side Stringers 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

WEB FRAMES, In E. & B. Space, No. & spacing 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

brdth. & thickness 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

WEB FRAMES, In After Body, No. and spacing 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

brdth. & thickness 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

No. of Side Stringers 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

Size of Face Angles to Web Frames 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

BRACKET PLATES to Stringers between Web Frames, depth and thickness 2 1/2 2 1/2 5/8 2 1/2 2 1/2 5/8

## FORGINGS AND CASTINGS.

KEEL, Bar, depth and thickness. *FLAT BAR* 10" x 2" 10" x 2"

STEM, moulding and thickness 11" x 3 1/2" 11" x 3 1/2"

STERN-POST for Rudder do. do. 13 x 9 1/2" 13 x 9 1/2"

" " for Propeller 13 x 9 1/2" 13 x 9 1/2"

RUDDER—A x D Table 22 13 1/2" 13 1/2"

Main Piece, diameter at head 13 1/2" 13 1/2"

" " " at heel 10 1/2" 10 1/2"

RUDDER, how constructed *Fixed Single plate keyed arms.*Can the Rudder be unshipped afloat? *Yes.*

## KEELSONS AND STRINGERS.

CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate

Rider Plate 7 3 1/2 5/8 7 3 1/2 5/8

Flat Keel Plate Angles 7 3 1/2 5/8 7 3 1/2 5/8

Horizontal Plates on Floors 7 3 1/2 5/8 7 3 1/2 5/8

Angles or Bulb Angles 7 3 1/2 5/8 7 3 1/2 5/8

SIDE KEELSONS, Number 7 3 1/2 5/8 7 3 1/2 5/8

Angles or Bulb Angles 7 3 1/2 5/8 7 3 1/2 5/8

Plate above floors for length 7 3 1/2 5/8 7 3 1/2 5/8

Intercoastal Plate, for length 7 3 1/2 5/8 7 3 1/2 5/8

Attached to outside plating with Angle 7 3 1/2 5/8 7 3 1/2 5/8

BILGE KEELSON, Angles 7 3 1/2 5/8 7 3 1/2 5/8

Intercoastal Plate, for length 7 3 1/2 5/8 7 3 1/2 5/8

Attached to outside plating with Angle 7 3 1/2 5/8 7 3 1/2 5/8

SIDE STRINGERS, Number 7 3 1/2 5/8 7 3 1/2 5/8

Angle 7 3 1/2 5/8 7 3 1/2 5/8

Intercoastal Plate, for full lng. 7 3 1/2 5/8 7 3 1/2 5/8

Attached to outside plating with Angle 7 3 1/2 5/8 7 3 1/2 5/8

Awning or Shelter Deck Stringer Plates, breadth and thickness 6 3/4 x 5/8 in way of Bridge

Angle on ditto 4 1/2 x 5/8 in Bridge 5 1/2 x 5/8 outside Bridge

Tie Plates, fore and aft, outside Hatchways 4 1/2 x 5/8 in Bridge 5 1/2 x 5/8 outside Bridge

Deck \* Iron or Steel, for full lng. 4 1/2 x 5/8 in Bridge 5 1/2 x 5/8 outside Bridge

Wood Deck, Material & thickness *Pine* 3 1/2 x 5/8 in Bridge 4 1/2 x 5/8 outside Bridge

Upper or Second Deck Stringer Plate, breadth and thickness 6 3/4 x 5/8 in Bridge 5 1/2 x 5/8 outside Bridge

Angles on ditto, No. *Sur* 4 1/2 x 5/8 4 1/2 x 5/8

Tie Plates, outside Hatchways 4 1/2 x 5/8 4 1/2 x 5/8

Deck \* Iron or Steel, for full lng. 4 1/2 x 5/8 4 1/2 x 5/8

Wood Deck, Material & thickness *Steel* 3 1/2 x 5/8 3 1/2 x 5/8

Third Deck Stringer Plates, br'dth &amp; th'kns 6 3/4 x 5/8 6 3/4 x 5/8

Angles on ditto, No. *Sur* 4 1/2 x 5/8 4 1/2 x 5/8

Tie Plates, outside Hatchways 4 1/2 x 5/8 4 1/2 x 5/8

Deck, Material and thickness *Steel* 3 1/2 x 5/8 3 1/2 x 5/8

Fourth and Fifth Deck Stringer Plate, in 1/2, 3 and 4 ft. br'dth and thickness 5 1/2 x 5/8 5 1/2 x 5/8

Angles on ditto, No. *Sur* 4 1/2 x 5/8 4 1/2 x 5/8

Tie Plates, outside Hatchways 4 1/2 x 5/8 4 1/2 x 5/8

Deck, Material and thickness *Steel* 3 1/2 x 5/8 3 1/2 x 5/8

Poop Deck Stringer Plate, breadth &amp; thickness 4 1/2 x 5/8 4 1/2 x 5/8

Angles on ditto 4 1/2 x 5/8 4 1/2 x 5/8

Tie Plates, in Plates 4 1/2 x 5/8 4 1/2 x 5/8

Deck, Material and thickness *Pine* 3 1/2 x 5/8 3 1/2 x 5/8

Bridge Deck Stringer Plate, br'dth &amp; thickness 5 1/2 x 5/8 5 1/2 x 5/8

Angle on ditto 4 1/2 x 5/8 4 1/2 x 5/8

Tie Plates 4 1/2 x 5/8 4 1/2 x 5/8

Deck, Material and thickness *Pine* 3 1/2 x 5/8 3 1/2 x 5/8

Forecastle Deck Stringer Plate, br'dth &amp; th'kns 5 1/2 x 5/8 5 1/2 x 5/8

Angle on ditto 4 1/2 x 5/8 4 1/2 x 5/8

Tie Plates 4 1/2 x 5/8 4 1/2 x 5/8

Deck, Material and thickness *Pine* 3 1/2 x 5/8 3 1/2 x 5/8

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

## BULKHEADS.

W. T. BULKHEADS 10 8 4 1/2 x 3/4 4 1/2 x 3/4

COLLISION 4 1/2 x 3/4 4 1/2 x 3/4

PARTITION 4 1/2 x 3/4 4 1/2 x 3/4

LONGITUDINAL 4 1/2 x 3/4 4 1/2 x 3/4

Are the outside Plates doubled two spaces of Frames in length? *Large Brackets and approved Liners.*Are the Sluice Valves and Watertight Doors in efficient working order? *none*



PLATING. AS IN SHIP. PER RULE OR AS APPROVED. RIVETING. EDGES. BUTTS. STRAKES. AMIDSHIP. FORWARD. AFT. AMIDSHIP. Single or Double. Breadth of Lap. Rivets. Double or Treble and for what Length. Rivets. Straps. IF LAPPED. Flat Plate Keel. Garboard or A Strake. B. C. D. E. F. G. H. J. K. L. M. N. O. P. Q. R. S. Doubling of Flat Plate Keel. Poop 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. Frames extend in one length from Middle Line to Margin Ribs and thence to Gunwale. REVERSED FRAMES on floors and frames extend from Middle Line to Margin Ribs, at ends all to Awning Deck & alternately to Forecastle Deck. On channel frames amidships all to Lower Deck Beams. MASTS, SPARS, &c. LOWER MASTS. Fore. Main. Mizzen. Bowsprit. Topmasts, Yards and Remainder of Spars. Rigging, Material and Size, Shrouds. Sails. EQUIPMENT No. 54777 LETTER g+. 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. 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 and Size supplied. Breaking Test of Steel Wire. Fathoms and size per Table 31. 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. Fathoms and size per Table 31. Boats. Life Boats, 2 Cutters. Steam Steering Gear. Hand Steering Gear. Pumps, Number. Diameter of Barrel. Windlass is. Capstan. Engine Room Skylights. Coal Bunker Openings. Number of Scuppers, and number and dimensions of Freeing Ports, &c. Ceiling in Holds, thickness and material. Cargo Battens, thickness and material. Cargo Hatchways. State size No. 1 Hatch (Forward). No. 2 Hatch. No. 3 Hatch. No. 4 Hatch. Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. Bulwarks, height above deck and description. The above is a correct description. Builder's Signature. Surveyor's Signature. Lloyd's Register of British & Foreign Shipping.

Complete

The Surveyors are requested not to write on or below the Committee's Minutes.



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

M 26-11-09/4-12-09/29-1-10/11-2-10/3-11-10/12-11-10/E 6-9-10.

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 the holes for riveting plate to frames, butt straps, or plate

Are the rivet holes well and sufficiently countersunk in the plate and punched

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 Secretary'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 3 Holds & Tween Decks for the carriage of frozen meat cargoes.

The approved plans four in number are enclosed herewith for reference, please return same to this office (excepting pumping plan) for Survey of sister vessel M 418. Seven forging and casting reports are also enclosed herewith.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 47 ft., R.Q.D. ft., Bridge 245 ft., F'castle 64 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated Poop and Bridge are not joined.

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 Dks (Stl) and Awaiting Dk (Stl - pl W.) Onlop Dk in No 3 Hold and in after Holds (Stl)

Official No. 129349; 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 Cellular.

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft	26.8	132.6	Fore peak tank		15.5
Double bottom, under Engines and Boilers	9.9	23.6	After peak tank		10.5
Double bottom, if under Engines only			Deep tank aft		
Double bottom, if under Boilers only			Deep tank forward		
Double bottom, forward	213.9	82.6	Other tanks, if fitted		
Total capacity of double bottom		168.8	(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. 547

Date 23rd Feb 1910

No. 412 in builder's yard.

DATE OF SURVEYS held while building

1910 Jan 4-14-17-24. Feb 9-14-15-18-21. Mar 3-16-24. Apr 1-4-20-21-22-28 May 11-13-18 May 24-31 June 8-20-25-29 July 5-6-28 Aug 4-9-10-12-16-17-19-21-23-24-25-29 Sept 1-2-5-6-9-16-19-21-22-27-30 Oct 3-7-12-29-31 Nov 2-4-8-10-14-23-29 Dec 7-8-9-10-13-19-20-23. 1911 Jan 2-3-4-10.

Total No. of Visits 78

The amount of Entry Fee £ 5 : 0 : 0

Special £ 287 : 14 : 4

Travelling Expenses, if any £ :

Fees applied for,

11th Jan 1911

Received by me,

18/11/1911

Certificate to be sent to

This Office.

State whether the Vessel has been built under Special Survey Yes.

I am of opinion this Vessel should be Classed

100-A "Awaiting Deck"

With, or without Freeboard, as condition of Class

With freeboard

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

Committee's Minute

Character assigned

FRI. 20 JAN 1911

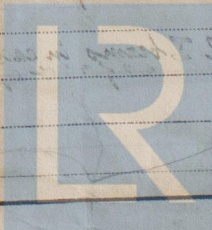
100-A  
Awaiting Deck

Lloyd's Reg. P.

+ L.M.B. 1.11

W

Ref. book



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Certs issued 20/11