

1 or 2 Dks., R.Q.Dk.,

and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

THURSDAY, 25 JAN 1894
Received at London Office.

12687

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

Date of completion of Report 16th Jan. 1894

Date, First Survey 6th Oct. 1893

Port of Glasgow

Last Survey 16th Jan. 1894

1894

No. 12687 Survey held at Glasgow
On the "Angelo"

Rig On mast.

TONNAGE under
Tonnage Deck...

74.37

ONE OR TWO DECKED VESSEL.

Master John Thompson

Do. of Poop

7.60

CLASS A - "Coasting, River & Canal Purposes."

Year of appointment 1894

Do. of Raised Or.

7.60

Do. of Break..

Do. of Bridge House

Do. of House Deck

Do. of excess of Hatchways

Do. above Crown of

Engine Room ..

Gross Tonnage

90.21

Less Crew Space

6.97

Less above Crown of

Engine Room ..

1.08

TONNAGE FOR FEES ..

82.16

Less Engine Room

37.91

Less Navigation Spaces

2.15

Register Tonnage

43.18

Destined Voyage Coasting

Surveyed while Building, Afloat, or in Dry Dock

LENGTH on Deck as per Rule	64	8	BREADTH— Moulded.....	18	—	DEPTH— Top of Floors to Main Deck Beams.	8	0 1/2	Power of Engines	17	Horse.	No. of Decks with Flat laid	On.	No. of Tiers of Beams	On.
Dimensions of Ship per Register, Length, 65.6 breadth, 18.0 depth, 8.0 Moulded Depth, ft. 8 ins. 6 Round of Beam 5 inches.															
FRAMING.			Inches in Ship.			Inches in Ship.			Inches in Ship.			Inches in Ship.			
FRAME, Angles, 7, E or L Bars, for 1/2 length amidships			3	2 1/2	6	3	2 1/2	6							
Do. for 1/2 at each end			3	2 1/2	6	3	2 1/2	6							
Do. in way of Double Bottoms at Solid Floors ..															
Distance of Frames from moulding edge to moulding edge, all fore and aft			20			20									
REVERSED FRAME, Angles			2 1/2	2 1/2	5	2 1/2	2 1/2	5							
DEEP FRAMING, depth of girder															
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships			10 1/2	5	10 1/2	5									
" in way of Engines and Boilers			5			5									
" thickness at the ends of vessel			5			5									
" depth at 1/2 the half breadth, as per Rule ..			7			5 1/2									
" height extended at the Bilges			21			21									
FLOORS & BRACKETS, in Cell Dble Bottoms ..															
" Distance apart															
CENTRE GIRDER, in Double Bottom, depth and thickness															
" Angles, Top															
" Bottom															
SIDE GIRDERS, number and thickness															
" Angles															
MARGIN PLATE, depth (exclusive of flange) and thickness															
" Angles															
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake ..															
" thickness in Engine and Boiler space ..															
" Remainder in Holds															
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb ..			3 1/2	3 1/2	6	3 1/2	3 1/2	6							
" Angles on Upper Edge															
" Average space			20			20									
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb															
" Angles on Upper Edge															
" Average space															
BEAMS, Hold, Plate or Tee Bulb															
" Angles on Upper Edge															
" Average space															
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb															
" Angles on Upper Edge															
" Average space															
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb															
" Angles on Upper Edge															
" Average space															
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb															
" Angles on Upper Edge															
" Average space															
PILLARS, In tween Decks, Size and Spacing ..															
" Hold			24			Super profile									
" Quarter tween Dks.,															
" in Hold															
WEB FRAMES, In Fore Body, No. and Spacing ..			1			1									
" Brdth. & Thickness			14			6 14									
" No. of Side Stringers															
WEB FRAMES, In E. & B. Space, No. & Spacing ..															
" Brdth. & Thickness															
WEB FRAMES, In After Body, No. and Spacing ..															
" Brdth. & Thickness															
" No. of Side Stringers															
" Size of Angles or Tee Bars to Web Frames ..															
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness															

FORGINGS AND CASTINGS.				Inches in Ship.		Inches per Rule Or as Approved.	
KEEL, Bar or Side Plates depth and thickness ..				5 x 1 1/2	5 x 1 1/2		
STEM, moulding and thickness				5 x 1 1/2	5 x 1 1/2		
STERN-POST for Rudder do. do.				5 x 2	5 x 2		
" for Propeller				5 x 2	5 x 2		
MAIN PIECE of Rudder, diameter at head, ...				3 1/2	3 1/2		
do. at heel				2	2		
RUDDER, how constructed <i>Frame forged and plated.</i>							
Can the Rudder be unshipped afloat? <i>Yes.</i>							

KEELSONS AND STRINGERS.				Inches in Ship.		Inches in Ship.		Inches in Ship.		Inches in Ship.		Inches in Ship.		Inches in Ship.	
CENTRE LINE KEELSON, <i>See Bulb</i> Vertical Plate above floors, Through Plate, or Intercoastal Plate ..				9	5 1/2	10	9	5 1/2	10						
" Bulb Plate															
" Bulb Plate to Intercoastal Keelson															
" Horizontal Plates on Floors															
" Angles															
SIDE KEELSON, Angles															
" Bulb or Plate above floors for															
" Intercoastal Plate for															
" Attached to outside plating with Angle ..															
BILGE KEELSON, Angles <i>Single</i>				5	3	9	5	3	9						
" Bulb or Plate above floors for															
" Intercoastal Plate for															
" Attached to outside plating with Angle ..															
BILGE STRINGER Angles															
" Bulb Plate for															
" Intercoastal Plate for															
" Attached to outside plating with Angle ..															
SIDE STRINGER Angles <i>Single</i>				5	3	9	5	3	9						
" Bulb or Intercoastal Plate for															
" Attached to outside plating with Angle ..															

Main and Raised Quarter Deck Stringer Plate, breadth and thickness				30	6	30	6
" Angle on ditto				2 1/2 x 2 1/2	6	2 1/2 x 2 1/2	6
" Tie Plates fore & aft, outside Hatchways ..							
" Diagonal Tie Plates on Bms., No. of Pairs ..							
" Main Dk* Iron or Steel for <i>whole</i> Ing.				6.5	4 1/2	6.5	4 1/2
" R. Q. Dk* Iron or Steel for <i>whole</i> Ing.				5	3 1/2	5	3 1/2
" Wood Deck, Material & thickness							
Lower Deck Stringer Plate, breadth and thickness							
" Angles on ditto, No.							
" Tie Plates, outside Hatchways							
" Deck Material and thickness							
Hold Stringer Plate							
" Angles on ditto, No.							
Poop Deck Stringer Plate, breadth & thickness ..							
" Angle on ditto							
" Tie Plates							
" Deck Material and thickness							
Bridge Deck Stringer Plate, breadth & thickness ..							
" Angle on ditto							
" Tie Plates							
" Deck Material and thickness							
Forecastle Deck Stringer Plate, breadth & thickness ..							
" Angle on ditto							
" Tie Plates							
" Deck Material and thickness							

BULKHEADS.		Number.		Thickness.		STIFFENERS.		Single or Double Frames.		Height up.	
In Vessel.		Per Rule.		Inches.		Horizontal.		Vertical.		Inches.	
W. T. BULKHEADS		3	3	5	—	3 x 2 1/2 x 1/2		27		Double Deck.	
PARTITION		✓	✓	✓	✓	✓		✓		✓	
LONGITUDINAL		✓	✓	✓	✓	✓		✓		✓	

Are the outside Plates doubled two spaces of Frames in length? *Yes.*

GLS 169-0094 (112)

PLATING.

RIVETING.

[illegible]

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, outside Plating, &c.?

Glydebridge; Hallside; Dalzell; and
Leamington. Siemens process.

Main Stringer Plate { Butts, ~~double~~^{double} riveted for whole length ~~amidship~~.
Straps, ~~single, double or~~ overlapped for whole length ~~amidship~~.

Butts of ~~Plugs &~~ Side Stringers, and Tie Plates, treble or double riveted?

~~Inner Bottom Plating, riveting of Edges~~ ~~Butts~~

~~Centre Girder Butts,~~ riveted. Keelson Butts, *Treble* riveted.

Frames, riveted through Plates with 5/8 in. Rivets, about 4 1/2 apart.

Rivets, state whether of Iron or Steel Iron.

FRAMES extend in one length from keel to deck.
REVERSED FRAMES on floors and frames extend from bilge to bilge. Double in 3. & 13. space.

MASTS, SPARS, &c.

						DIAMETER AND THICKNESS.				ANGLES.		RIVETING.	
	Material.	Total length.	At Partners.	Heel.	Hounds.	Head.	No. of Plates in round	Number.	Size.	Seams.	Butts.		
LOWER MASTS....	Fore	<i>Pine pole mast.</i>											
	Main	<i>/</i>											
	Mizen.....	<i>/</i>											
Bowsprit ✓													
Topmasts, Yards and Remainder of Spars		<i>Pine.</i>											
Rigging, Material and Size, Shrouds		<i>Steel wire 2½".</i>											
Sails.	<i>One</i>	Suit of											
							Stays	<i>Steel wire 3".</i>					
							Sails	<i>and the following spare sails.</i>					

EQUIPMENT No. 2308 LETTER A TONNAGE FOR TRAWLERS ☒ U.Dk.
ANCHORS. 1

[illegible]

CHAIN CABLES.

Number of Certificate.	Fathoms.	Size.	Test per Certificate. Tons.	WEIGHT OF CHAIN CABLE.		Fathoms and Size Per Rule.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size Per Rule.
				Supplied.	Per Rule.									
10749	105	4/8	11 1/2	5 5/8	27-2-5	27-2-2 1/2	105-4/8	Short link. S. Taylor & Sons.	Sunderland 11-1-94. J. Hartman	TOWLINE Hemp	75	5 1/2		75-5 1/2
										HAWSER "	90	3		90-3
										WARP "	80	2 1/2		
10750	45	2	7			45-2								

HAWSERS AND WARPS.

Number of Certificate.	Fathoms.	Size.	Test per Certificate. Tons.	WEIGHT OF CHAIN CABLE.		Fathoms and Size Per Rule.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size Per Rule.
				Supplied.	Per Rule.									
10749	105	4/8	11 1/2	5 5/8	27-2-5	27-2-2 1/2	105-4/8	Short link. S. Taylor & Sons.	Sunderland 11-1-94. J. Hartman	TOWLINE Hemp	75	5 1/2		75-5 1/2
										HAWSER "	90	3		90-3
										WARP "	80	2 1/2		
10750	45	2	7			45-2								

Boats *One life boat.*
Pumps, Number *One hand in hold, and 1 in fore peak.* Diameter of Barrel and Tail Pipe *In hold 4" & 2". In fore peak 3" & 1 1/2".*

Windlass is Steam Wrench Capstan ✓

Engine Room Skylights.—How constructed? *Leak, on iron coamings.*

What arrangements for deadlights in bad weather? *Leak shutters fitted with bulls' eyes.*

Coal Bunker Openings.—How constructed? *Cast iron scuttles.* How are lids secured? *Self locking.* Height above deck? *Nil.*

Number of **Scuppers**, and number and dimensions of **Freeing Ports**, &c. *On each side 2 scuppers and 2 ports 21" x 12"*

Number of **scuppers**, and number and dimensions of _____

Ceiling in Hold, thickness and material: *2 1/2" x pine*

Number of **bulkheads**, and number and dimensions of _____

Ceiling 'tween Decks, thickness and material: _____

Ceiling in hold, thickness and material *1/2" plate and metal*

Cargo Hatchways.—How formed? *Of girders with rying* matches. — Is strong and efficient? *Yes*

State size **No. 1 Hatch** (Forward) 20-2 x 13-0 x 3-0 **No. 2 Hatch** ✓ **No. 3 Hatch** ✓ **No. 4 Hatch** ✓

Number of **Web Plates**, **Shifting Beams**, and **Fore and Afters** to each Hatch. *2 top web plates and 3 fore & afters*

No. of Breasthooks <i>Three</i>		No. of Crutches <i>Three</i>	
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Bulwarks, height above deck and description	Main Rail, material and size
2-6 Steel plating 3/20	Built angle 6 x 3 with cope

The above is a correct description.

Builder's Signature (here only.) *Maellie I. Thomson* Surveyor's Signature *M. Thomson.*
Surveyor to Lloyd's Register of British and Foreign Shipping.

.....

12687 gls

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

1893:—29th Aug., 5th Sept., 6th & 12th Oct., and 6th Nov. M. 21st Dec. E.

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.*

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

from the faying surfaces? *Yes.*

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

Are the butts of Plating, Stringers, &c., properly shifted and strapped? *Yes.*

General Remarks (State quality of workmanship, &c.) *The workmanship is good.*

This vessel is built in accordance with tracing forwarded to London on the 15th Jan. 1894, the accompanying tracings (2 in h.), the Secretary's letters referred to above, and in general conformity with the Rules for the Class contemplated. A statement of the equipment as approved is forwarded herewith.

The hand pumps tested and found efficient.

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. or Break *23* ft., Bridge Dk. ☒ ft., F'castle ☒ ft. (in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. 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) *On Deck (Steel), one tier of Beams.*

Official No.; Signal Letters

How are the surfaces preserved from oxidation? Inside *By cement and paint.* Outside *By paint.*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system ☒

Where fitted.	Length. Feet.	Water Capacity. Tons.	Where fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		
Double bottom, forward,			After peak tank, <input checked="" type="checkbox"/>	<i>8</i>	<i>10</i>
Double bottom, under Engines and Boilers,			Midship deep tank, <input checked="" type="checkbox"/>		
Double bottom, if under Engines only,			Other tanks, if fitted, <input checked="" type="checkbox"/>		
Double bottom, if under Boilers only,			(If necessary, furnish further information by sketch.) <input checked="" type="checkbox"/>		

State whether the above ~~have~~ *has* been tested as required by the Rules

Order for Special Survey No. *2414*

Date *26th Sept. 1893*

Order for Ordinary Survey No. ☒

Date ☒

No. *79* in builder's yard

DATES of Surveys held while building as per Section 18.

- 1st. On the several parts of the frame, when in place, and before the plating was wrought *1893:—Oct. 6, 11, 17, 20, 24, 27. Nov. 1, 2, 7, 9.*
- 2nd. On the plating during the process of riveting *14, 18, 22, 28. Dec. 1, 6, 11, 18, 21. 1894:—Jan.*
- 3rd. When the beams were in and fastened and before the decks were laid *13, 16.*
- 4th. When the ship was complete, and before the plating was finally coated or cemented *13, 16.*
- 5th. After the ship was launched and equipped

Total No. of Visits *21*

The amount of Entry Fee£ *1* : " : "
Special.....£ *4* : " : "
Certificate* £ " : " : "
Travelling Expenses, if any £ " : " : "

Fees applied for, *16/11 1894*
Received by me, *14/11 1894*

* Certificate to be sent to *Glasgow*

I am of opinion this Vessel should be Classed *A1-Coasting, River & Canal Purposes*

With, or without Freeboard, as condition of Class

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

Committee's Minute

Character assigned

FRI 26 JAN 1894

*A1 Steel
a + r Coasting River &
+ RMC 1, 94 Canal purposes*

This vessel appears to have been built in accordance with the Rules and the approved plans, and it is submitted she is eligible to be classed A1 ("Steel") "Coasting, River & Canal purposes" as recommended.

A1 ("Steel") "Coasting, River & Canal purposes"

1 SR (St.)

M. B. = F.P.T. 100

Hull Certificate.
Written.

Lloyd's Register
Foundation

GLS169-0094 (2/2)