

1 or 2 Dks., R.Q. Dk.,  
and Pt. Awng. Dk.

# IRON OR STEEL STEAMER.

No. 5478

State if Report is also sent on the Machinery of the Vessel *Yes - See No. 240474* Received at London Office *SAT. 1 MAY 1909*  
Date of completion of Report *29th April 09* Port of *MIDDLEBROUGH-ON-TYNE*  
Date, First Survey *28 October 08* Last Survey *21st April 1909*  
Name of Vessel *"Magdalena"* (No. 32) Rig *SA*

Survey held at *Stockton*  
On the *5/5*

TONNAGE under  
Tonnage Deck *1984.86*  
Do. of Poop *7287*  
Do. of Raised Or. *66.35*  
Dk. or Break. *36.41*  
Do. of Bridge House *19.71*  
Do. of Forecastle *2183.20*  
Do. of Houses on Deck *72.56*  
Do. of excess of Hatchways *19.71*  
Do. above Crown of *2090.93*  
Engine Room *698.62*  
Gross Tonnage *77.90*  
Less Crew Space  
Less above Crown of  
Engine Room  
TONNAGE FOR FEES  
Less Engine Room  
Less Navigation Spaces

ONE OR TWO DECKED VESSEL.

CLASS *100 A1* Subject to notation *"4 BH only"*

Master *E. W. Jibben*

Year of appointment *1909*

Built at *Stockton*

When built *1909* Launched *8th March*

By whom built *Craig Taylor & Co Ltd*

Owners *Naam. Venn. A.C. Lensen's Hoorn.*

Managers *Naam.*

Residence *Terneuzen*

Port belonging to *Terneuzen*

Register Tonnage  
as cut on Beam *1332.12*

Destined Voyage *Gronstad via Lyne* If Surveyed while Building, Afloat, or in Dry Dock *Yes*

LENGTH on Deck as per Rule *285* Feet. *4* Inches. BREADTH—Moulded *43* Feet. *9* Inches. DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams *18* Feet. *11* Inches. No. of Decks with Flat laid *one* No. of Tiers of Beams *Deepframes*

Dimensions of Ship per Register, Length, *287* breadth, *44* depth, *18.95* Moulded Depth, *21* ft. *1 1/2* ins. Round of Beam, Actual *11 1/2* ins.

## FRAMING.

	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
FRAME, Angles <i>7</i> Bars, for $\frac{1}{2}$ length amidships	<i>8 1/2</i>	<i>3 1/2</i>	<i>11</i>	<i>8 1/2</i>	<i>3 1/2</i>	<i>11</i>
Do. for $\frac{1}{2}$ at each end	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>
Do. in way of Double Bottoms at Solid Floors	<i>3 1/2</i>	<i>3 1/2</i>	<i>7</i>	<i>3 1/2</i>	<i>3 1/2</i>	<i>7</i>
Do. in peaks, at intermdt. Bkts.	<i>5</i>	<i>3 1/2</i>	<i>7</i>	<i>5</i>	<i>3 1/2</i>	<i>7</i>
Spacing of Frames from centre to centre	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>
REVERSED FRAME, Angles <i>in peaks</i>	<i>3 1/2</i>	<i>3 1/2</i>	<i>8</i>	<i>3 1/2</i>	<i>3 1/2</i>	<i>8</i>
DEEP FRAMING, depth of girder	<i>9</i>	<i>8 1/2</i>	<i>9</i>	<i>8 1/2</i>	<i>9</i>	<i>8 1/2</i>
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	<i>38</i>	<i>4</i>	<i>38</i>	<i>4</i>	<i>38</i>	<i>4</i>
Do. in way of Engines and Boilers	<i>38</i>	<i>10</i>	<i>38</i>	<i>10</i>	<i>38</i>	<i>10</i>
Do. thickness at the ends of vessel	<i>38</i>	<i>9</i>	<i>38</i>	<i>9</i>	<i>38</i>	<i>9</i>
Do. depth at $\frac{1}{2}$ the half breadth, as per Rule	<i>4</i>	<i>4</i>	<i>12</i>	<i>4</i>	<i>4</i>	<i>12</i>
Do. height extended at the Bilges	<i>4</i>	<i>4</i>	<i>12</i>	<i>4</i>	<i>4</i>	<i>12</i>
FLOORS & BRACKETS, in Cell Dble Bottoms	<i>38</i>	<i>4</i>	<i>38</i>	<i>4</i>	<i>38</i>	<i>4</i>
Do. state if flanged (top & bottom)	<i>no</i>	<i>no</i>	<i>no</i>	<i>no</i>	<i>no</i>	<i>no</i>
Do. Spacing	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>
CENTRE GIRDER, in Double Bottom, depth and thickness	<i>38</i>	<i>10</i>	<i>38</i>	<i>10</i>	<i>38</i>	<i>10</i>
Do. Angles, Top	<i>3 1/2</i>	<i>3 1/2</i>	<i>9</i>	<i>3 1/2</i>	<i>3 1/2</i>	<i>9</i>
Do. Bottom	<i>4</i>	<i>4</i>	<i>12</i>	<i>4</i>	<i>4</i>	<i>12</i>
SIDE GIRDERS, number on each side & thickness	<i>one</i>	<i>8</i>	<i>3 under lugs</i>	<i>one</i>	<i>8</i>	<i>3 under lugs</i>
Do. state if flanged (top & bottom)	<i>flanged top in holds</i>	<i>flanged top in holds</i>	<i>flanged top in holds</i>	<i>flanged top in holds</i>	<i>flanged top in holds</i>	<i>flanged top in holds</i>
Do. Angles	<i>3</i>	<i>3</i>	<i>7</i>	<i>3</i>	<i>3</i>	<i>7</i>
MARGIN PLATE, depth (exclusive of flange) and thickness	<i>35</i>	<i>8</i>	<i>29</i>	<i>35</i>	<i>8</i>	<i>29</i>
Do. Angles to Outside Plating	<i>3 1/2</i>	<i>3 1/2</i>	<i>8</i>	<i>3 1/2</i>	<i>3 1/2</i>	<i>8</i>
Do. Floors	<i>3 1/2</i>	<i>3 1/2</i>	<i>7</i>	<i>3 1/2</i>	<i>3 1/2</i>	<i>7</i>
Do. Height of Floors at the Bilges	<i>42</i>	<i>42</i>	<i>42</i>	<i>42</i>	<i>42</i>	<i>42</i>
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	<i>38</i>	<i>9</i>	<i>38</i>	<i>9</i>	<i>38</i>	<i>9</i>
Do. thickness in Engine and Boiler space	<i>9</i>	<i>11</i>	<i>9</i>	<i>11</i>	<i>9</i>	<i>11</i>
Do. Remainder in Holds	<i>7</i>	<i>7</i>	<i>7</i>	<i>7</i>	<i>7</i>	<i>7</i>
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	<i>8</i>	<i>3</i>	<i>10</i>	<i>8</i>	<i>3</i>	<i>10</i>
Do. Angles on Upper Edge	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>
Do. Spacing	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	<i>6</i>	<i>3</i>	<i>8</i>	<i>6</i>	<i>3</i>	<i>8</i>
Do. Angles on Upper Edge	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>
Do. Spacing	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate or Tee Bulb	<i>6 1/2</i>	<i>3</i>	<i>8</i>	<i>6 1/2</i>	<i>3</i>	<i>8</i>
Do. Angles on Upper Edge	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>
Do. Spacing	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	<i>6 1/2</i>	<i>3</i>	<i>8</i>	<i>6 1/2</i>	<i>3</i>	<i>8</i>
Do. Angles on Upper Edge	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>
Do. Spacing	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>
PILLARS, In 'tween Decks, Size and Spacing	<i>2 1/8</i>	<i>48</i>	<i>2 1/8</i>	<i>48</i>	<i>2 1/8</i>	<i>48</i>
Do. Hold	<i>3 1/4</i>	<i>48</i>	<i>3 1/4</i>	<i>48</i>	<i>3 1/4</i>	<i>48</i>
Do. Quarter, 'tween Dks.,	<i>3 1/4</i>	<i>48</i>	<i>3 1/4</i>	<i>48</i>	<i>3 1/4</i>	<i>48</i>
Do. in Hold	<i>no hatchway side pillars</i>	<i>no hatchway side pillars</i>	<i>no hatchway side pillars</i>	<i>no hatchway side pillars</i>	<i>no hatchway side pillars</i>	<i>no hatchway side pillars</i>
WEB FRAMES, In Fore Body, No. and Spacing	<i>one</i>	<i>see profile</i>	<i>one</i>	<i>see profile</i>	<i>one</i>	<i>see profile</i>
Do. Brdth. & Thickness	<i>18</i>	<i>8</i>	<i>18</i>	<i>8</i>	<i>18</i>	<i>8</i>
WEB FRAMES, In E. & B. Space, No. & Spacing	<i>one</i>	<i>see profile</i>	<i>one</i>	<i>see profile</i>	<i>one</i>	<i>see profile</i>
Do. Brdth. & Thickness	<i>18</i>	<i>8</i>	<i>18</i>	<i>8</i>	<i>18</i>	<i>8</i>
WEB FRAMES, In After Body, No. and Spacing	<i>one</i>	<i>see profile</i>	<i>one</i>	<i>see profile</i>	<i>one</i>	<i>see profile</i>
Do. Brdth. & Thickness	<i>18</i>	<i>8</i>	<i>18</i>	<i>8</i>	<i>18</i>	<i>8</i>
Do. No. of Side Stringers	<i>one</i>	<i>see profile</i>	<i>one</i>	<i>see profile</i>	<i>one</i>	<i>see profile</i>
Do. Size of Angles or Tee Bars to Web Frames	<i>one</i>	<i>see profile</i>	<i>one</i>	<i>see profile</i>	<i>one</i>	<i>see profile</i>
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness	<i>one</i>	<i>see profile</i>	<i>one</i>	<i>see profile</i>	<i>one</i>	<i>see profile</i>

## FORGINGS AND CASTINGS.

	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
KEEL, Bar or Side Plates depth and thickness	<i>Flat plate Keel</i>	<i>10 x 2 1/2</i>	<i>10 x 2 1/2</i>	<i>10 x 2 1/2</i>	<i>10 x 2 1/2</i>	<i>10 x 2 1/2</i>
STEM, moulding and thickness	<i>10 x 2 1/2</i>	<i>10 x 2 1/2</i>	<i>10 x 2 1/2</i>	<i>10 x 2 1/2</i>	<i>10 x 2 1/2</i>	<i>10 x 2 1/2</i>
STERN-POST for Rudder do. do.	<i>10 x 6</i>	<i>10 x 6</i>	<i>10 x 6</i>	<i>10 x 6</i>	<i>10 x 6</i>	<i>10 x 6</i>
Do. for Propeller	<i>50</i>	<i>50</i>	<i>50</i>	<i>50</i>	<i>50</i>	<i>50</i>
MAIN PIECE of Rudder, diameter at head	<i>8</i>	<i>8</i>	<i>8</i>	<i>8</i>	<i>8</i>	<i>8</i>
Do. at heel	<i>6</i>	<i>6</i>	<i>6</i>	<i>6</i>	<i>6</i>	<i>6</i>
RUDDER, how constructed <i>Single plate 20" - circ. stock</i>	<i>Single plate 20" - circ. stock</i>	<i>Single plate 20" - circ. stock</i>	<i>Single plate 20" - circ. stock</i>	<i>Single plate 20" - circ. stock</i>	<i>Single plate 20" - circ. stock</i>	<i>Single plate 20" - circ. stock</i>
Can the Rudder be unshipped afloat? <i>yes - for coupling</i>	<i>yes - for coupling</i>	<i>yes - for coupling</i>	<i>yes - for coupling</i>	<i>yes - for coupling</i>	<i>yes - for coupling</i>	<i>yes - for coupling</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, Vertical Plate above floors, Through Plate, or Intercoastal Plate						
Do. Rider Plate						
Do. Bulb Plate to Intercoastal Keelson						
Do. Horizontal Plates on Floors						
Do. Angles						
SIDE KEELSON, Angles						
Do. Bulb or Plate above floors for	<i>Ing.</i>	<i>Ing.</i>	<i>Ing.</i>	<i>Ing.</i>	<i>Ing.</i>	<i>Ing.</i>
Do. Intercoastal Plate for	<i>length</i>	<i>length</i>	<i>length</i>	<i>length</i>	<i>length</i>	<i>length</i>
Do. Attached to outside plating with Angle	<i>Double Bottom</i>	<i>Double Bottom</i>	<i>Double Bottom</i>	<i>Double Bottom</i>	<i>Double Bottom</i>	<i>Double Bottom</i>
BILGE KEELSON, Angles						
Do. Bulb or Plate above floors for	<i>Ing.</i>	<i>Ing.</i>	<i>Ing.</i>	<i>Ing.</i>	<i>Ing.</i>	<i>Ing.</i>
Do. Intercoastal Plate for	<i>length</i>	<i>length</i>	<i>length</i>	<i>length</i>	<i>length</i>	<i>length</i>
Do. Attached to outside plating with Angle	<i>Double Bottom</i>	<i>Double Bottom</i>	<i>Double Bottom</i>	<i>Double Bottom</i>	<i>Double Bottom</i>	<i>Double Bottom</i>
BILGE STRINGER Angles						
Do. Bulb Plate for	<i>length</i>	<i>length</i>	<i>length</i>	<i>length</i>	<i>length</i>	<i>length</i>
Do. Intercoastal Plate for	<i>length</i>	<i>length</i>	<i>length</i>	<i>length</i>	<i>length</i>	<i>length</i>
Do. Attached to outside plating with Angle	<i>Double Bottom</i>	<i>Double Bottom</i>	<i>Double Bottom</i>	<i>Double Bottom</i>	<i>Double Bottom</i>	<i>Double Bottom</i>
SIDE STRINGERS Angles <i>Single</i>	<i>6</i>	<i>4</i>	<i>11</i>	<i>6</i>	<i>4</i>	<i>11</i>
Do. Bulb or Intercoastal Plate for	<i>full</i>	<i>full</i>	<i>full</i>	<i>full</i>	<i>full</i>	<i>full</i>
Do. Attached to outside plating with Angle	<i>flange</i>	<i>flange</i>	<i>flange</i>	<i>flange</i>	<i>flange</i>	<i>flange</i>

Main and Raised Quarter Deck Stringer Plate, breadth and thickness	<i>41</i>	<i>10</i>	<i>41</i>	<i>10</i>
Do. Angle on ditto. <i>(5 x 5 x 1/2 at bridge ends)</i>	<i>4 1/2 x 4 1/2 x 10</i>	<i>4 1/2 x 4 1/2 x 10</i>	<i>4 1/2 x 4 1/2 x 10</i>	<i>4 1/2 x 4 1/2 x 10</i>
Do. Tie Plates, outside Hatchways <i>increased 2/20 x 3/20</i>	<i>increased 2/20 x 3/20</i>	<i>increased 2/20 x 3/20</i>	<i>increased 2/20 x 3/20</i>	<i>increased 2/20 x 3/20</i>
Do. Diagonal Tie Plates on Bms., No. of Pairs	<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>
Do. Main Dk* <i>Iron or Steel for full</i> Ing.	<i>full</i>	<i>full</i>	<i>full</i>	<i>full</i>
Do. R. Q. Dk* <i>Iron or Steel for full</i> Ing.	<i>full</i>	<i>full</i>	<i>full</i>	<i>full</i>
Do. Wood Deck, Material & thickness	<i>full</i>	<i>full</i>	<i>full</i>	<i>full</i>
Lower Deck Stringer Plate, breadth and thickness	<i>30</i>	<i>7</i>	<i>30</i>	<i>7</i>
Do. Angles on ditto, No.	<i>3 1/2 x 3 1/2</i>	<i>3 1/2 x 3 1/2</i>	<i>3 1/2 x 3 1/2</i>	<i>3 1/2 x 3 1/2</i>
Do. Tie Plates, outside Hatchways	<i>6</i>	<i>6</i>	<i>6</i>	<i>6</i>
Do. Deck* Material and thickness	<i>3</i>	<i>3</i>	<i>3</i>	<i>3</i>
Hold Stringer Plate	<i>40</i>	<i>9</i>	<i>40</i>	<i>9</i>
Do. Angles on ditto, No.	<i>7</i>	<i>7</i>	<i>7</i>	<i>7</i>
Poop Deck Stringer Plate, breadth & thickness	<i>30</i>	<i>7</i>	<i>30</i>	<i>7</i>
Do. Angle on ditto	<i>3 1/2 x 3 1/2</i>	<i>3 1/2 x 3 1/2</i>	<i>3 1/2 x 3 1/2</i>	<i>3 1/2 x 3 1/2</i>
Do. Tie Plates <i>5/16 where sheathed</i>	<i>6</i>	<i>6</i>	<i>6</i>	<i>6</i>
Do. Deck, Material and thickness <i>p. pine</i>	<i>3</i>	<i>3</i>	<i>3</i>	<i>3</i>
Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness	<i>40</i>	<i>9</i>	<i>40</i>	<i>9</i>
Do. Angle on ditto	<i>7</i>	<i>7</i>	<i>7</i>	<i>7</i>
Do. Tie Plates	<i>6</i>	<i>6</i>	<i>6</i>	<i>6</i>
Do. Deck, Material and thickness <i>Steel</i>	<i>6</i>	<i>6</i>	<i>6</i>	<i>6</i>
Forecastle Deck Stringer Plate, brdth & thcknss	<i>30</i>	<i>7</i>	<i>30</i>	<i>7</i>
Do. Angle on ditto	<i>3 1/2 x 3 1/2</i>	<i>3 1/2 x 3 1/2</i>	<i>3 1/2 x 3 1/2</i>	<i>3 1/2 x 3 1/2</i>
Do. Tie Plates	<i>6</i>	<i>6</i>	<i>6</i>	<i>6</i>
Do. Deck, Material and thickness <i>Steel</i>	<i>6</i>	<i>6</i>	<i>6</i>	<i>6</i>

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

BULKHEADS.	Number.	Thickness.	Horizontal.	Vertical.	Single or Double Frames.	Height up.
In Vessel.	Per Rule.	Inches.	Inches.	Inches.	Inches.	Inches.
W.T. BULKHEADS	<i>4</i>	<i>5</i>	<i>7</i>	<i>Flanged</i>	<i>11 x 3</i>	<i>30</i>
PARTITION	<i>Intermediate bulkhead in fore hold omitted and as compensation 11 B.A. frames between Nos 1 &amp; 2 hatch ways increased 1/20</i>	<i>11</i>	<i>3</i>	<i>30</i>	<i>Single Deck</i>	<i>30</i>
LONGITUDINAL	<i>as compensation 11 B.A. frames between Nos 1 &amp; 2 hatch ways increased 1/20</i>	<i>11</i>	<i>3</i>	<i>30</i>	<i>Single Deck</i>	<i>30</i>
Are the outside Plates doubled two spaces of Frames in length?	<i>yes</i>	<i>yes</i>	<i>yes</i>	<i>yes</i>	<i>yes</i>	<i>yes</i>
Are the Stairs Valves and Watertight Doors in efficient working order?	<i>yes</i>	<i>yes</i>	<i>yes</i>	<i>yes</i>	<i>yes</i>	<i>yes</i>



**PLATING.**

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		RIVETING.																																																																																																																																								
	AMIDSHIP.		FORWARD.		AFT.		Lower EDGES.		BUTTS.		RIVETS.		STRAPS.		IF LAPPED.																																																																																																																																
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	For what Length.																																																																																																																															
FLAT PLATE KEEL (If Bar Keel, state Riveting)	36	16	12	12	36	16	Double	6	1	4	T.R. all	1	3 1/2	-	-	10 1/2	Full																																																																																																																														
GARBOARD OR A STRAKE	51	12	11	12	46	12						1/8	3 1/8	-	-	9																																																																																																																															
State actual thickness in way of Double Bottom.	46	10	9	10	10			5 1/2	7/8	3 3/4																																																																																																																																					
B	54	10	9	9	10																																																																																																																																										
C	46	10	9	9	10																																																																																																																																										
D	60	12	10	13	12						2nd 1/2	3 1/2			12																																																																																																																																
E	62	12	10	12	12																																																																																																																																										
F	62	11	9	11	11																																																																																																																																										
G	60	11	9	11	11																																																																																																																																										
H	60	13-11	9	9	13-11																																																																																																																																										
J	46	15-13	10	10	42	15-13					T.R. all	7/8	3 1/2			9																																																																																																																															
K	43	9	-	-	9							7/8	3 1/2																																																																																																																																		
L	54	10	-	-	10																																																																																																																																										
M																																																																																																																																															
N																																																																																																																																															
O																																																																																																																																															
P																																																																																																																																															
DOUBLING OF PLATE KEEL																																																																																																																																															
Length and thickness of Bilges	Doubled at ends of bridge 40 ft x 4 1/2 ft																																																																																																																																														
Length and thickness of Sheerstrakes																																																																																																																																															
Length and thickness of Strake below																																																																																																																																															
POOP SIDES	4																																																																																																																																														
RAISED QUARTER DECK SIDES	See M & L above																																																																																																																																														
BRIDGE SIDES	4																																																																																																																																														
FORECASTLE SIDES	10 ft																																																																																																																																														
LENGTHS OF PLATING	10 ft																																																																																																																																														
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.?																																																																																																																																															
Bolckow, Consett, Dorman, South Durham																																																																																																																																															
Has the Steel been tested as required by the Rules? <i>yes</i>																																																																																																																																															
FRAMES extend in one length from <i>bilge &amp; margin</i> to <i>upper, poop, bridge &amp; fore decks</i> state if ordinary or joggled <i>ordinary</i>																																																																																																																																															
REVERSED FRAMES on floors <i>extend from centre to margins</i> state if ordinary or joggled <i>joggled</i>																																																																																																																																															
Bottom frames joggled																																																																																																																																															
MASTS, SPARS, &c.																																																																																																																																															
<table border="1"> <thead> <tr> <th rowspan="2">LOWER MASTS.</th> <th rowspan="2">Fore</th> <th rowspan="2">Main</th> <th rowspan="2">Mizen</th> <th rowspan="2">Material.</th> <th rowspan="2">Total length.</th> <th colspan="4">DIAMETER AND THICKNESS.</th> <th rowspan="2">No. of Plates in round.</th> <th colspan="2">ANGLES.</th> <th colspan="2">RIVETING.</th> </tr> <tr> <th>At Partners.</th> <th>Heel.</th> <th>Hounds.</th> <th>Head.</th> <th>Number.</th> <th>Size.</th> <th>Seams.</th> <th>Butts.</th> </tr> </thead> <tbody> <tr> <td>Fore</td> <td>Steel</td> <td>62-3</td> <td>20 x 2 1/2</td> <td>14 x 1/2</td> <td>14 x 1/2</td> <td>2</td> <td>-</td> <td>-</td> <td>Single</td> <td>7 x D</td> </tr> <tr> <td>Main</td> <td>Do</td> <td>61-3</td> <td>20</td> <td>16 1/2 x 1/2</td> <td>20</td> <td>2</td> <td>-</td> <td>-</td> <td>Do</td> <td>Do</td> </tr> </tbody> </table>																		LOWER MASTS.	Fore	Main	Mizen	Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.		At Partners.	Heel.	Hounds.	Head.	Number.	Size.	Seams.	Butts.	Fore	Steel	62-3	20 x 2 1/2	14 x 1/2	14 x 1/2	2	-	-	Single	7 x D	Main	Do	61-3	20	16 1/2 x 1/2	20	2	-	-	Do	Do																																																																																	
LOWER MASTS.	Fore	Main	Mizen	Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.																																																																																																																																		
						At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.																																																																																																																																	
Fore	Steel	62-3	20 x 2 1/2	14 x 1/2	14 x 1/2	2	-	-	Single	7 x D																																																																																																																																					
Main	Do	61-3	20	16 1/2 x 1/2	20	2	-	-	Do	Do																																																																																																																																					
Rigging, Material and Size, Shrouds <i>steel wire 3/2</i> Stays <i>✓</i>																																																																																																																																															
Sails. <i>None</i> Suit of <i>✓</i> Sails and the following spare sails <i>✓</i>																																																																																																																																															
Equipment No. <i>26092</i> Letter <i>S</i> Tonnage U.D.K. or Plating No. for Trawlers <i>✓</i>																																																																																																																																															
ANCHORS.																																																																																																																																															
<table border="1"> <thead> <tr> <th rowspan="2">Number of Certificate.</th> <th rowspan="2">Anchors.</th> <th colspan="3">WEIGHT, EX STOCK.</th> <th colspan="3">WEIGHT OF STOCK.</th> <th colspan="3">TEST, PER CERTIFICATE.</th> <th colspan="3">WEIGHT REQUIRED BY TABLE 22.</th> <th rowspan="2">Description of Anchor.</th> <th rowspan="2">Makers.</th> <th rowspan="2">Where and when tested and Superintendent.</th> </tr> <tr> <th>Cwts.</th> <th>qrs.</th> <th>lbs.</th> <th>Cwts.</th> <th>qrs.</th> <th>lbs.</th> <th>Tons.</th> <th>Cwts.</th> <th>qrs.</th> <th>lbs.</th> <th>Cwts.</th> <th>qrs.</th> <th>lbs.</th> </tr> </thead> <tbody> <tr> <td>34578</td> <td>1st Bower</td> <td>39</td> <td>1</td> <td>14</td> <td>Stockless</td> <td>35</td> <td>7</td> <td>-</td> <td>21</td> <td>38</td> <td>3</td> <td>-</td> <td>Green</td> <td>Green</td> <td>1st 4-1-09</td> </tr> <tr> <td>34606</td> <td>2nd "</td> <td>38</td> <td>1</td> <td>-</td> <td>Do</td> <td>34</td> <td>13</td> <td>-</td> <td>21</td> <td>38</td> <td>3</td> <td>-</td> <td>Green</td> <td>Do</td> <td>1st 18-1-09</td> </tr> <tr> <td>5166</td> <td>3rd "</td> <td>33</td> <td>2</td> <td>4</td> <td>Do</td> <td>31</td> <td>5</td> <td>-</td> <td>21</td> <td>38</td> <td>2</td> <td>-</td> <td>Steel heads</td> <td>Do</td> <td>1st 27-3-09</td> </tr> <tr> <td></td> <td>Collective weight</td> <td>111</td> <td>-</td> <td>18</td> <td></td> <td>110</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4942</td> <td>Stream</td> <td>10</td> <td>-</td> <td>8</td> <td>2 2 6</td> <td>12</td> <td>2</td> <td>-</td> <td>21</td> <td>10</td> <td>-</td> <td>-</td> <td>Ordinary</td> <td>Do</td> <td>1st 8-2-09</td> </tr> <tr> <td>4943</td> <td>Kedge</td> <td>5</td> <td>-</td> <td>-</td> <td>1 1 4</td> <td>7</td> <td>7</td> <td>-</td> <td>5</td> <td>-</td> <td>-</td> <td>-</td> <td>Do</td> <td>Do</td> <td>Do</td> </tr> </tbody> </table>																		Number of Certificate.	Anchors.	WEIGHT, EX STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 22.			Description of Anchor.	Makers.	Where and when tested and Superintendent.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	34578	1st Bower	39	1	14	Stockless	35	7	-	21	38	3	-	Green	Green	1st 4-1-09	34606	2nd "	38	1	-	Do	34	13	-	21	38	3	-	Green	Do	1st 18-1-09	5166	3rd "	33	2	4	Do	31	5	-	21	38	2	-	Steel heads	Do	1st 27-3-09		Collective weight	111	-	18		110	-									4942	Stream	10	-	8	2 2 6	12	2	-	21	10	-	-	Ordinary	Do	1st 8-2-09	4943	Kedge	5	-	-	1 1 4	7	7	-	5	-	-	-	Do	Do	Do
Number of Certificate.	Anchors.	WEIGHT, EX STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 22.			Description of Anchor.	Makers.	Where and when tested and Superintendent.																																																																																																																															
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.				lbs.																																																																																																																														
34578	1st Bower	39	1	14	Stockless	35	7	-	21	38	3	-	Green	Green	1st 4-1-09																																																																																																																																
34606	2nd "	38	1	-	Do	34	13	-	21	38	3	-	Green	Do	1st 18-1-09																																																																																																																																
5166	3rd "	33	2	4	Do	31	5	-	21	38	2	-	Steel heads	Do	1st 27-3-09																																																																																																																																
	Collective weight	111	-	18		110	-																																																																																																																																								
4942	Stream	10	-	8	2 2 6	12	2	-	21	10	-	-	Ordinary	Do	1st 8-2-09																																																																																																																																
4943	Kedge	5	-	-	1 1 4	7	7	-	5	-	-	-	Do	Do	Do																																																																																																																																
CHAIN CABLES.																																																																																																																																															
<table border="1"> <thead> <tr> <th rowspan="2">Number of Certificate.</th> <th rowspan="2">Length and size supplied.</th> <th rowspan="2">Test per Certificate.</th> <th colspan="2">WEIGHT OF CHAIN CABLE.</th> <th rowspan="2">Length &amp; Size per Table 22.</th> <th rowspan="2">Description.</th> <th rowspan="2">Makers of Cables.</th> <th rowspan="2">Where and when tested and Superintendent.</th> <th rowspan="2">Material.</th> <th colspan="2">Length and Size supplied.</th> <th rowspan="2">Breaking Test of Steel Wire.</th> <th colspan="2">Length and Size per Table 22.</th> </tr> <tr> <th>Supplied.</th> <th>Per Table 22.</th> <th>Length.</th> <th>Cir.</th> <th>Length.</th> <th>Cir.</th> </tr> </thead> <tbody> <tr> <td>36042</td> <td>240 1 1/2</td> <td>59 8 2 1/2</td> <td>29 2</td> <td>29 2</td> <td>240 1 1/2</td> <td>Stud</td> <td>Green</td> <td>1st 27-3-09</td> <td>TOWLINE</td> <td>Steel</td> <td>90</td> <td>4</td> <td>33</td> <td>90</td> <td>4</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>HAWSESWAYS</td> <td>180</td> <td>2 1/2</td> <td>12 1/2</td> <td>180</td> <td>7</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>180</td> <td>2 1/2</td> <td>9 1/2</td> <td>180</td> <td>6</td> </tr> </tbody> </table>																		Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length & Size per Table 22.	Description.	Makers of Cables.	Where and when tested and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 22.		Supplied.	Per Table 22.	Length.	Cir.	Length.	Cir.	36042	240 1 1/2	59 8 2 1/2	29 2	29 2	240 1 1/2	Stud	Green	1st 27-3-09	TOWLINE	Steel	90	4	33	90	4										HAWSESWAYS	180	2 1/2	12 1/2	180	7											180	2 1/2	9 1/2	180	6																																																											
Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length & Size per Table 22.	Description.	Makers of Cables.	Where and when tested and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 22.																																																																																																																																		
			Supplied.	Per Table 22.						Length.	Cir.		Length.	Cir.																																																																																																																																	
36042	240 1 1/2	59 8 2 1/2	29 2	29 2	240 1 1/2	Stud	Green	1st 27-3-09	TOWLINE	Steel	90	4	33	90	4																																																																																																																																
									HAWSESWAYS	180	2 1/2	12 1/2	180	7																																																																																																																																	
										180	2 1/2	9 1/2	180	6																																																																																																																																	
HAWSESWAYS AND WARPS.																																																																																																																																															
<table border="1"> <thead> <tr> <th rowspan="2">Number of Certificate.</th> <th rowspan="2">Length and size supplied.</th> <th rowspan="2">Test per Certificate.</th> <th rowspan="2">Length &amp; Size per Table 22.</th> <th rowspan="2">Description.</th> <th rowspan="2">Makers of Cables.</th> <th rowspan="2">Where and when tested and Superintendent.</th> <th rowspan="2">Material.</th> <th colspan="2">Length and Size supplied.</th> <th rowspan="2">Breaking Test of Steel Wire.</th> <th colspan="2">Length and Size per Table 22.</th> </tr> <tr> <th>Length.</th> <th>Cir.</th> <th>Length.</th> <th>Cir.</th> </tr> </thead> <tbody> <tr> <td>36042</td> <td>240 1 1/2</td> <td>59 8 2 1/2</td> <td>29 2</td> <td>29 2</td> <td>240 1 1/2</td> <td>Stud</td> <td>Green</td> <td>1st 27-3-09</td> <td>TOWLINE</td> <td>Steel</td> <td>90</td> <td>4</td> <td>33</td> <td>90</td> <td>4</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>HAWSESWAYS</td> <td>180</td> <td>2 1/2</td> <td>12 1/2</td> <td>180</td> <td>7</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>180</td> <td>2 1/2</td> <td>9 1/2</td> <td>180</td> <td>6</td> </tr> </tbody> </table>																		Number of Certificate.	Length and size supplied.	Test per Certificate.	Length & Size per Table 22.	Description.	Makers of Cables.	Where and when tested and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 22.		Length.	Cir.	Length.	Cir.	36042	240 1 1/2	59 8 2 1/2	29 2	29 2	240 1 1/2	Stud	Green	1st 27-3-09	TOWLINE	Steel	90	4	33	90	4										HAWSESWAYS	180	2 1/2	12 1/2	180	7											180	2 1/2	9 1/2	180	6																																																															
Number of Certificate.	Length and size supplied.	Test per Certificate.	Length & Size per Table 22.	Description.	Makers of Cables.	Where and when tested and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 22.																																																																																																																																				
								Length.	Cir.		Length.	Cir.																																																																																																																																			
36042	240 1 1/2	59 8 2 1/2	29 2	29 2	240 1 1/2	Stud	Green	1st 27-3-09	TOWLINE	Steel	90	4	33	90	4																																																																																																																																
									HAWSESWAYS	180	2 1/2	12 1/2	180	7																																																																																																																																	
										180	2 1/2	9 1/2	180	6																																																																																																																																	
Boats <i>2 Life &amp; 1 other</i>																																																																																																																																															
Pumps, Number <i>Hydraulic hand pump connected to all bilge suction - &amp; a fore peak pump</i> State whether they are in efficient working order <i>yes</i>																																																																																																																																															
Windlass is <i>Steam - Emerson Walker</i> Capstan <i>✓</i> <i>5 Steam winches</i>																																																																																																																																															
Engine Room Skylights. - How constructed? <i>Steel</i>																																																																																																																																															
What arrangements for deadlights in bad weather? <i>Bulls eyes</i>																																																																																																																																															
Coal Bunker Openings. - How constructed? <i>Bull angles</i> How are lids secured? <i>battened</i> Height above deck? <i>11"</i>																																																																																																																																															
Number of Scuppers, and number and dimensions of Freeing Ports. &c. <i>8 ft. 31 x 14 1/2</i>																																																																																																																																															
Ceiling in Holds, thickness and material <i>2 1/2 pine under hatchways</i> Cargo Battens, thickness and material <i>2 1/2 pine</i>																																																																																																																																															
Cargo Hatchways. - How formed? <i>plates &amp; angles</i> Hatches. - If strong and efficient? <i>3" Solid</i>																																																																																																																																															
State size No. 1 Hatch (Forward) <i>26 x 17-11</i> No. 2 Hatch <i>26 x 17-11</i> No. 3 Hatch <i>26 x 17-11</i> No. 4 Hatch <i>26 x 17-11</i>																																																																																																																																															
Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch <i>2 webs x 3 wood fore &amp; afters</i>																																																																																																																																															
No. of Breasthooks <i>Five</i> No. of Crutches <i>2 floors</i>																																																																																																																																															
Bulwarks, height above deck and description <i>4 ft - bulk plate stays</i> Main Rail and Stays, material and size <i>4" B. angle</i>																																																																																																																																															
The above is a correct description. FOR CRAIG, TAYLOR & CO. LIMITED, Surveyor's Signature <i>W. H. Cooper</i>																																																																																																																																															
Builder's Signature (here only) <i>William Young</i> DIRECTOR, Surveyor to Lloyd's Register of British and Foreign Shipping.																																																																																																																																															

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

*M. 1908. Oct 22. 1909. Apr. 19. 20* *6-1-12-08*

**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* Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *yes* Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? *yes* Do any rivets break into or through the seams or butts of the plating? *a 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. 23, par 24)? *yes* State results of tests *satisfactory*

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *✓* State results of tests *✓*

**General Remarks** (State quality of workmanship, &c.) *Good*

*This vessel has been built in accordance with the approved plans, the Secretary's letters of the above dates, and, in general conformity to the Rules for the class contemplated. The steam & hand steering gear have been seen working satisfactorily.*

*The intermediate bulk head in the fore hold has been omitted at the request of the owners, and compensated for by increasing 11 bulk angle frames between Nos 1 & 2 hatchways to in thickness - see profile plan & letter M. 22-10-08.*

*The frames in way of the 20 ft hatchways have been increased to in thickness, the hatch coverings have been strengthened & heavy hatch beams fitted, & the hatchway quarter pillars dispensed with - Angle gussets have been fitted on every second floor bracket and connected to tank top, to stiffen vessel for one cargo.*

*1 Topping Report - 4 Plans -*

*Sister vessel "Baltic Sea" (M. 25) Mdd. F.E. Rpt. 105209*

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

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop *26* ft., R.Q.D. or Break *✓* ft., Bridge Dk. *78* ft., F'castle *29.3* 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) *1 Aft (S.H.) x deep framing. Intermediate bulkhead in fore hold dispensed with 4 B.H. only*

Official No. *✓*; Signal Letters *✓* State if Machinery is fitted aft *to*

How are the surfaces preserved from oxidation? Inside *cement & paint* 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.		Water Capacity.		Where fitted.	*Length.		Water Capacity.	
	Feet.	Tons.	Feet.	Tons.					
Double bottom, aft,	90	196	Fore peak tank,	14	68				
Double bottom, under Engines and Boilers,	32	92	After peak tank,	14	94				
Double bottom, if under Engines only,	-	-	Deep tank, aft,	✓	✓				
Double bottom, if under Boilers only,	-	-	Deep tank, forward	✓	✓				
Double bottom, forward,	120	314	Other tanks, if fitted,	✓	✓				
Total capacity <i>605</i>				(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. *784*

Date *28. 10. 08*

No. *152* in builder's yard.

DATES OF SURVEYS held while building

*1908 Oct. 28. Nov. 3. 5. 9. 11. 13. 18. 20. 23. 26. 27. 30. Dec. 3. 4. 7. 11. 15. 17. 21. 24. 30. 1909 Jan. 7. 11. 15. 19. 23. 25 Feb. 1. 2. 6. 8. 12. 15. 16. 19. 22. 24. Mar. 2. 3. 8. 10. 11. 15 Apr. 1. 14. 15. 19. 20. 21*

Total No. of Visits *51*

The amount of Entry Fee *£ 5 : 0 : 0* Fees applied for, *29 April 1909*

Special *£ 47 : 5 : 6* Received by me, *11. 5. 1909*

Trading Expenses, if any *£ :*

State whether the Vessel has been built under Special Survey *yes*

I am of opinion this Vessel should be Classed *\* 100A1 (Subject to notation above)*

With, or without Freeboard, as condition of Class *without*

Committee's Minute *Dec 4 MAY 1909*

Character assigned *100A1*

*Lloyds and Thine 4.09*

*Wicks mab W.*

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