

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

# IRON OR STEEL STEAMER.

WED. 20 MAY 1903

State if Report is also sent on the Machinery of the Vessel. *Yes*  
Date of completion of Report *23rd April 1903*  
Date, First Survey *8th Dec 02*

Received at London Office,

Port of *Glasgow*  
Last Survey *20th April 1903*  
Rig *Schooner 2 masts*

Survey held at *Paisley*  
On the *Steel Screw Steamer "Abbot"*

Master *W. McBride*  
Year of appointment *(1) As master in service of owner of present vessel: 1893 (2) As master of this vessel: 1903*

TONNAGE under Tonnage Deck... *212.15*  
Do. of Poop  
Do. of Raised Qr. *30.60*  
Dk. or Break...  
Do. of Bridge House *8.10*  
Do. of Forecastle  
Do. of Houses on Deck *4.40*  
Do. of excess of Hatchways *9.15*  
Do. above Crown of Engine Room... *18.22*  
Gross Tonnage *282.62*  
Less Crew Space *23.64*  
Less above Crown of Engine Room... *18.22*  
ONNAGE FOR FEES... *240.76*  
Less Engine Room  
Less Navigation Spaces *176.68*  
*9.46*

ONE OR TWO DECKED VESSEL.

CLASS *100 A. 1 "Well Bk"*

Half Breadth (moulded) *10.60*  
Depth from upper part of Keel to top of Main Deck Bms. *11.66*  
(with the normal round up of beam)  
Girth of Half Midship Frame (as per Rule) *20.20*  
1st Number *42.46*  
Length on deck from after part of stem to fore part of stern post *141.47*  
2nd Number *6006*  
Proportions—Breadths to Length *6.67*  
Depths to Length—Main Deck to top of Keel *12.13*

Built at *Paisley*  
When built *1903* Launched *31st March 1903*  
By whom built *Messrs Fullerton & Co*  
Owners *Frontier Town & Co Newry*  
Managers  
(Where necessary to be entered in Reg. Book).  
Residence *Newry*  
Port belonging to *Newry*

Register Tonnage *72.94*  
as cut on Beam...

LENGTH on Deck as per Rule... *141* Feet. *5 3/4* Inches.  
BREADTH Moulded... *21* Feet. *2 1/2* Inches.  
DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams... *10* Feet. *5* Inches.  
No. of Decks with Flat laid *One*  
No. of Tiers of Beams *One*  
Dimensions of Ship per Register, Length, *142.5* breadth, *21.375* depth, *10.25* Moulded Depth, *11* ft. *3* ins. Round of Beam, Actual *5* ins.

| FRAMING.  |   |                         |                                 | FORGINGS AND CASTINGS.   |                         |                         |                                 |
|---|---|-------------------------|---------------------------------|--|-------------------------|-------------------------|---------------------------------|
| Inches in Ship.   | Inches in Ship.                             | 16ths or 32nds in Ship. | Inches per Rule Or as Approved. | Inches in Ship.  | Inches in Ship.         | 16ths or 32nds in Ship. | Inches per Rule Or as Approved. |
| FRAME, Angles, <i>7</i> or <i>8</i> Bars, for $\frac{1}{2}$ length amidships              |   |                         |                                 | KEEL, Bar or Side Plates depth and thickness   |                         |                         |                                 |
| Do. for $\frac{1}{2}$ at each end   | <i>3</i>                                    | <i>2 1/2</i>            | <i>5</i>                        | STEM, moulding and thickness   | <i>6</i>                | <i>2</i>                | <i>6</i>                        |
| Do. in way of Double Bottoms at Solid Floors  | <i>3</i>                                    | <i>2 1/2</i>            | <i>5</i>                        | STERN-POST for Rudder do. do.  | <i>6 1/2</i>            | <i>3 1/4</i>            | <i>6 1/2</i>                    |
| Spacing of Frames from centre to centre   | <i>21</i>                                   |                         | <i>21</i>                       | " for Propeller  | <i>4</i>                |                         | <i>4</i>                        |
| REVERSED FRAME, Angles  | <i>2 1/2</i>                                | <i>2 1/2</i>            | <i>4</i>                        | MAIN PIECE of Rudder, diameter at head   | <i>3</i>                | <i>2 1/4</i>            | <i>4</i>                        |
| DEEP FRAMING, depth of girder   | <i>15</i>                                   | <i>8</i>                | <i>15</i>                       | RUDDER, how constructed <i>Wrought Iron Frame Single Plate</i>                         |                         |                         |                                 |
| FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships | <i>15</i>                                   | <i>8</i>                | <i>15</i>                       | Can the Rudder be unshipped afloat? <i>Yes</i>   |                         |                         |                                 |
| " in way of Engines and Boilers   | <i>10</i>                                   | <i>7</i>                | <i>10</i>                       | KEELSONS AND STRINGERS.  |                         |                         |                                 |
| " thickness at the ends of vessel   | <i>10</i>                                   | <i>7</i>                | <i>10</i>                       | CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate | <i>10</i>               | <i>8</i>                | <i>10</i>                       |
| " depth at $\frac{1}{2}$ the half breadth, as per Rule                                    | <i>30</i>                                   |                         | <i>30</i>                       | " Rider Plate  | <i>6 1/2</i>            | <i>8</i>                | <i>6 1/2</i>                    |
| " height extended at the Bilges   |   |                         |                                 | " Bulb Plate to Intercoastal Keelson   | <i>3</i>                | <i>3</i>                | <i>6</i>                        |
| FLOORS & BRACKETS, in Cell Dble Bottoms   |   |                         |                                 | " Horizontal Plates on Floors  | <i>3</i>                | <i>3</i>                | <i>6</i>                        |
| " state if flanged (top & bottom)   |   |                         |                                 | " Angles   | <i>3</i>                | <i>3</i>                | <i>6</i>                        |
| " Spacing   |   |                         |                                 | SIDE KEELSON, Angles   | <i>3</i>                | <i>3</i>                | <i>6</i>                        |
| CENTRE GIRDER, in Double Bottom, depth and thickness                                      |   |                         |                                 | " Bulb or Plate above floors for lng.  |                         |                         |                                 |
| " Angles, Top   |   |                         |                                 | " Intercoastal Plate for $\frac{3}{4}$ length  | <i>2 1/2</i>            | <i>2 1/2</i>            | <i>4</i>                        |
| " Bottom  |   |                         |                                 | " Attached to outside plating with Angle   | <i>3</i>                | <i>3</i>                | <i>6</i>                        |
| SIDE GIRDERS, number on each side & thickness   |   |                         |                                 | BILGE KEELSON, Angles  | <i>3</i>                | <i>3</i>                | <i>6</i>                        |
| " state if flanged (top & bottom)   |   |                         |                                 | " Bulb or Plate above floors for $\frac{3}{5}$ length                                  | <i>5</i>                | <i>5</i>                | <i>5</i>                        |
| " Angles  |   |                         |                                 | " Intercoastal Plate for   |                         |                         |                                 |
| MARGIN PLATE, depth (exclusive of flange) and thickness                                   |   |                         |                                 | " Attached to outside plating with Angle   |                         |                         |                                 |
| " Angles to Outside Plating   |   |                         |                                 | SIDE STRINGER Angles <i>4 in 20</i>  | <i>3</i>                | <i>3</i>                | <i>6</i>                        |
| " Floors  |   |                         |                                 | " Bulb Plate for   |                         |                         |                                 |
| " Height of Floors at the Bilges  |   |                         |                                 | " Intercoastal Plate for   |                         |                         |                                 |
| INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake                         |   |                         |                                 | " Attached to outside plating with Angle   |                         |                         |                                 |
| " thickness in Engine and Boiler space  |   |                         |                                 | SIDE STRINGER Angles <i>4 in 20</i>  | <i>3</i>                | <i>3</i>                | <i>6</i>                        |
| " Remainder in Holds  |   |                         |                                 | " Bulb or Intercoastal Plate for full lng.   | <i>12</i>               | <i>7</i>                | <i>12</i>                       |
| BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb          | <i>4</i>                                    | <i>2 1/2</i>            | <i>5</i>                        | " Attached to outside plating with Angle   | <i>2 1/2</i>            | <i>2 1/2</i>            | <i>4</i>                        |
| " Angles on Upper Edge  |   |                         |                                 | Main and Raised Quarter Deck Stringer Plate, breadth and thickness                     | <i>48</i>               | <i>7</i>                | <i>48</i>                       |
| " Spacing   | <i>21</i>                                   |                         | <i>21</i>                       | " Angle on ditto   | <i>3</i>                | <i>3</i>                | <i>6</i>                        |
| BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb                            | <i>4</i>                                    | <i>2 1/2</i>            | <i>5</i>                        | " Tie Plates, outside Hatchways  |                         |                         |                                 |
| " Angles on Upper Edge  |   |                         |                                 | " Diagonal Tie Plates on Bms., No. of Pairs  |                         |                         |                                 |
| " Spacing   | <i>21</i>                                   |                         | <i>21</i>                       | " Main Dk* Iron or Steel for full lng.   | <i>5</i>                |                         | <i>5</i>                        |
| BEAMS, Hold, Plate or Tee Bulb  |   |                         |                                 | " R. Q. Dk* Iron or Steel for full lng.  | <i>5</i>                |                         | <i>5</i>                        |
| " Angles on Upper Edge  |   |                         |                                 | " Wood Deck, Material & thickness  |                         |                         |                                 |
| " Spacing   |   |                         |                                 | Lower Deck Stringer Plate, breadth and thickness                                       | <i>Plated over 5/16</i> |                         |                                 |
| BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb                                    | <i>4 1/2</i>                                | <i>3</i>                | <i>7</i>                        | " Angles on ditto, No.   | <i>3</i>                | <i>3</i>                | <i>6</i>                        |
| " Angles on Upper Edge  |   |                         |                                 | " Tie Plates, outside Hatchways  |                         |                         |                                 |
| " Spacing   | <i>42</i>                                   |                         | <i>42</i>                       | " Deck* Material and thickness   |                         |                         |                                 |
| BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate or Tee Bulb                     | <i>4 1/2</i>                                | <i>3</i>                | <i>7</i>                        | Hold Stringer Plate  |                         |                         |                                 |
| " Angles on Upper Edge  |   |                         |                                 | " Angles on ditto, No.   |                         |                         |                                 |
| " Spacing   | <i>42</i>                                   |                         | <i>42</i>                       | Poop Deck Stringer Plate, breadth & thickness  |                         |                         |                                 |
| BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb                              | <i>4 1/2</i>                                | <i>3</i>                | <i>7</i>                        | " Angle on ditto   |                         |                         |                                 |
| " Angles on Upper Edge  |   |                         |                                 | " Tie Plates   |                         |                         |                                 |
| " Spacing   | <i>42</i>                                   |                         | <i>42</i>                       | " Deck, Material and thickness   |                         |                         |                                 |
| PILLARS, In 'tween Decks, Size and Spacing  | <i>2 1/2</i>                                | <i>4 1/2</i>            | <i>in Fore Peak &amp; 7 c/c</i> | Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness                         | <i>12</i>               | <i>5</i>                | <i>12</i>                       |
| " Hold  | <i>3</i>                                    | <i>4 1/2</i>            |                                 | " Angle on ditto   | <i>2 1/2</i>            | <i>2 1/2</i>            | <i>5</i>                        |
| " Quarter, 'tween Dks., "   | <i>Web frames &amp; 4 irons as per plan</i> |                         |                                 | " Tie Plates   | <i>6</i>                | <i>5</i>                | <i>6</i>                        |
| " in Hold   | <i>6 see plans</i>                          | <i>6</i>                |                                 | " Deck, Material and thickness   | <i>2 1/2</i>            |                         | <i>2 1/2</i>                    |
| WEB FRAMES, In Fore Body, No. and Spacing   | <i>14</i>                                   | <i>8</i>                | <i>14</i>                       | Forecastle Deck Stringer Plate, breadth & thickness                                    | <i>30</i>               | <i>5</i>                | <i>30</i>                       |
| " Brdth. & Thickness  |   |                         |                                 | " Angle on ditto   | <i>3</i>                | <i>3</i>                | <i>5</i>                        |
| " No. of Side Stringers   |   |                         |                                 | " Tie Plates   | <i>4 1/2</i>            | <i>4</i>                | <i>4 1/2</i>                    |
| WEB FRAMES, In E. & B. Space, No. & Spacing   |   |                         |                                 | " Deck, Material and thickness   | <i>2 1/2</i>            |                         | <i>2 1/2</i>                    |
| " Brdth. & Thickness  |   |                         |                                 | Longitudinal,,   |                         |                         |                                 |
| WEB FRAMES, In After Body, No. and Spacing  |   |                         |                                 | Are the outside Plates doubled two spaces of Frames in length? <i>Yes</i>              |                         |                         |                                 |
| " Brdth. & Thickness  |   |                         |                                 | Are the Sluice Valves and Watertight Doors in efficient working order? <i>None</i>     |                         |                         |                                 |
| " No. of Side Stringers   |   |                         |                                 |  |                         |                         |                                 |
| " Size of Angles or Tee Bars to Web Frames  |   |                         |                                 |  |                         |                         |                                 |
| BRACKET PLATES to Stringers between Web Frames, Depth and Thickness                       |   |                         |                                 |  |                         |                         |                                 |



| PLATING.   |  |  |  |  |                          |  |  |  |  | RIVETING.  |  |  |  |  |   |  |  |  |  |
|--|--|--|--|--|--------------------------|--|--|--|--|--|--|--|--|--|---|--|--|--|--|
| AS IN SHIP.  |  |  |  |  | PER RULE OR AS APPROVED. |  |  |  |  | TOWER EDGES.   |  |  |  |  | BUTTS.  |  |  |  |  |
| STRAKES.   |  |  |  |  | AMIDSHIP.                |  |  |  |  | Single or Double.  |  |  |  |  | RIVETS.   |  |  |  |  |
| Breadth. Thickness. Thickness. Thickness.  |  |  |  |  | Breadth. Thickness.      |  |  |  |  | Single or Double. Breadth of Lap. Diam. Spacing or to cr. Length.  |  |  |  |  | Diam. Spacing or to cr. Length. Diam. Spacing or to cr. Length. |  |  |  |  |
| <b>FLAT PLATE KEEL</b> (If Bar Keel, state Riveting)<br><b>GARBOARD OR A STRAKE</b> 30 8 8 8 30 8 <i>Neeld</i> 1 5 8 full 34 2 5 9 8 8   |  |  |  |  |                          |  |  |  |  | <b>DOUBLE BOTTOM</b> 30 10 7 7 30 10 <i>Double 4 1/2</i> 1 5 8 full 34 2 5 9 8 8   |  |  |  |  |   |  |  |  |  |
| <b>POOP SIDES</b> 7 6 5 5<br><b>RAISED QUARTER DECK SIDES</b> 7 6 5 5<br><b>BRIDGE SIDES</b> 7 6 5 5<br><b>FORECASTLE SIDES</b> 7 6 5 5<br><b>LENGTHS OF PLATING</b> 7 frame spaces  |  |  |  |  |                          |  |  |  |  | <b>MANUFACTURER'S NAME OR TRADE MARK</b> of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, outside Plating, &c.?<br><i>Siemens process. 64 debridge Steel Co., Lanarkshire. Steel Co., Steel Co. of Scotland.</i><br>Has the Steel been tested as required by the Rules? <i>yes</i>  |  |  |  |  |   |  |  |  |  |
| <b>FRAMES</b> extend in one length from <i>Keel</i> to <i>gunwale</i> state if ordinary or joggled <i>ordinary</i><br><b>REVERSED FRAMES</b> on floors and frames extend from <i>centre to turn of bilge in hold</i> and state if ordinary or joggled <i>ordinary</i><br><i>to hold stringer and deck alternately in way of R. &amp; B.</i>  |  |  |  |  |                          |  |  |  |  | <b>MAST, SPARS, &amp;C.</b><br>Material. Total length. At Partners. Heel. Hounds. Head. No. of Plates in round. ANGLES. Riveting.<br>Number. Size. Seams. Butts.<br><b>LOWER MASTS</b> Fore <i>P.P.</i> 49' 3" 13 1/2 Main <i>P.P.</i> 38' 0" 11<br><b>BOWSPRIT</b><br><b>TOPMASTS, YARDS AND REMAINERS OF SPARS</b><br><b>RIGGING, MATERIAL AND SIZE, SHROUDS</b> 2 1/2 gal steel wire before mast 1 1/2 gal steel wire stays fore 2 1/2 main 2 1/2 gal steel wire<br><b>SAILS</b> One Suit of Sails and the following spare sails. |  |  |  |  |   |  |  |  |  |
| <b>EQUIPMENT NO.</b> 6412 Letter <i>e</i><br><b>ANCHORS.</b> Tonnage U.D.K. or Plating No. for Trawlers  |  |  |  |  |                          |  |  |  |  | <b>CHAIN CABLES.</b> HAWSERS AND WARPS.  |  |  |  |  |   |  |  |  |  |
| <b>BOATS</b> Two Life Boats<br><b>PUMPS, NUMBER</b> Two Diameter of Barrel 4 1/2 x 2 1/2 State whether they are in efficient working order <i>yes</i><br><b>WINDLASS</b> is by J. Reid & Sons Capstan<br><b>ENGINE ROOM SKYLIGHTS</b> —How constructed? <i>Teak</i><br>What arrangements for deadlights in bad weather? <i>Teak battens with iron guards over glass</i><br><b>COAL BUNKER OPENINGS</b> —How constructed? <i>Plates &amp; covers</i> How are lids secured? <i>by screw covers</i> Height above deck? <i>6' 9"</i><br>Number of <b>SCUPPERS</b> , and number and dimensions of <b>FREEING PORTS, &amp;C.</b> <i>2 scuppers each on H. &amp; B. 30 x 1 1/2 each in well.</i><br><b>CEILING IN HOLDS</b> , thickness and material <i>2" P.P.</i> <b>CARGO BATTENS</b> , thickness and material <i>6 x 1 1/2 D.P.</i><br><b>CARGO HATCHWAYS</b> —How formed? <i>Plates and angles</i> <b>HATCHES</b> —If strong and efficient? <i>yes &amp; solid</i><br>State size No. 1 Hatch (Forward) <i>15' 9" x 9' 10"</i> No. 2 Hatch <i>26' 3" x 9' 10"</i> No. 3 Hatch No. 4 Hatch<br>Number of <b>WEB PLATES</b> , Shifting Beams, and Fore and Afters to each Hatch <i>One web plate in No. 1 &amp; Two web plates in No. 2</i><br><i>One fore &amp; aft in each hatch</i> No. of <b>BREASTHOOKS</b> <i>Three</i> No. of <b>CRUTCHES</b> <i>One &amp; 1/2 up floor</i><br><b>BULKHEADS</b> , height above deck and description <i>4' 0" Steel Plate 1/4"</i> Main Rail and Stays, material and size <i>5 x 2 1/2 x 7/16 B.A. Stay 6 x 1/2 x 3/16</i><br>The above is a correct description.<br>Builder's Signature (here only) <i>J. D. Mares</i> Surveyor's Signature <i>J. D. Mares</i><br>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 12/8/02 4/9/02 E 11/9/02*

**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 facing 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)? *yes* State results of tests *Satisfactory*  
**General Remarks** (State quality of workmanship, &c.) *Workmanship good.*  
*This vessel has been built in accordance with the approved Plans, the Secretary's letters of above dates, and in general conformity to the Rules for the class contemplated.*

*Midship Section*  
*1 Ship Forging Report*

*This vessel is a sister vessel to the S.S. "Orion" Glasgow Report No 20882*  
 The Surveyor should state the Number of Report and Name of any Sister Vessel.

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop *4 1/2* ft., R.Q.D. or Break *4 1/2* ft., Bridge Dk. *7* ft., F'castle *24 1/2* 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.  
*The R. & B. is joined to B.D.*  
 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 B.T. (Steel)*  
 Official No. ; Signal Letters State if Machinery is fitted aft *yes*  
 How are the surfaces preserved from oxidation? Inside *Paint & Portland Cement* Outside *Paint*

**PARTICULARS OF WATER BALLAST.**—State whether the Double bottom is constructed on the cellular system or with girders on floors. *yes*

| Where fitted.                             | *Length. Feet. | Water Capacity. Tons. | Where fitted.           | *Length. Feet. | Water Capacity. Tons. |
|---|----------------|-----------------------|-------------------------|----------------|-----------------------|
| Double bottom, aft,                       | ✓              |                       | Fore peak tank,         | 22' 7 1/2      | 34                    |
| Double bottom, under Engines and Boilers, | ✓              |                       | After peak tank,        | ✓              |                       |
| Double bottom, if under Engines only,     | ✓              |                       | Deep tank, aft,         | ✓              |                       |
| Double bottom, if under Boilers only,     | ✓              |                       | Deep tank, forward,     | ✓              |                       |
| Double bottom, forward,                   | ✓              |                       | Other tanks, if fitted, | ✓              |                       |

\* 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. *3587* 1902 Dec. 8, 12, 15, 18, 22, 29, 31. 1903 Jan. 8, 12, 15, 19, 23, 27. Feb. 2, 5, 10, 12, 20, 25. Mar. 2, 5, 9, 12, 17, 20, 24, 27, 30. Apr. 2, 6, 15, 18, 20.  
 Date *29.8.02* Days of Surveys held while building  
 No. *172* in builder's yard  
 Total No. of Visits *33*

The amount of Entry Fee £ *2* : : : Fees applied for, *4.5.1903*  
 Special £ *12* : : : Received by me, *4.5.1903*  
 Travelling Expenses, if any £ : : :  
 State whether the Vessel has been built under Special Survey *yes*  
 I am of opinion this Vessel should be Classed *+ 100 A-1 Steel "Well Deck"*  
 With, or without Freeboard, as condition of Class *without*  
 Glasgow - 5 MAY 1903  
 Character assigned *+ 100 A-1 (Steel) Steel Deck*  
*(Well Deck)*  
 J. D. Mares.  
 Surveyor to Lloyd's Register of British and Foreign Shipping.