

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

IRON OR STEEL STEAMER.

No. 6413  
TUES. 30 AUG 1898

State of Report is also sent on the Machinery of the Vessel  
Date of completion of Report 29<sup>th</sup> August 1898 Port of Dundee  
Date, First Survey 11<sup>th</sup> February Last Survey 24<sup>th</sup> August 1898  
Rig one mast

Survey held at Dundee  
On the Steel Screw Steamer Gnat

TONNAGE under Tonnage Deck } 79.19  
Do. of Poop }  
Do. of Raised Qr. }  
Dk. or Break. }  
Do. of Bridge House }  
Do. of Forecastle }  
Do. of Houses on Deck }  
Do. of excess of Hatchways }  
Do. above Crown of }  
Engine Room }  
Gross Tonnage 79.19  
Less Crew Space 10.26  
Less above Crown of }  
Engine Room }  
TONNAGE FOR FEES .. 68.93  
Less Engine Room 67.71  
Less Navigation Spaces  
Register Tonnage } 1.22  
as cut on Beam .. }

ONE OR TWO DECKED VESSEL.  
CLASS  $\times$  100 A-Steel  
"For Towing Purposes"  
Half Breadth (moulded) 9.25  
Depth from upper part of Keel to top of Main Deck Bms. 10.29  
(with the normal round up of beam)  
Girth of Half Midship Frame (as per Rule) 16.75  
1st Number 36.29  
Length on deck from after part of stem to fore part of stern post 71.6  
2nd Number 2598.36  
Proportions—Breadths to Length 3.87  
Depths to Length—Main Deck to top of Keel 6.80  
Destined Voyage If Surveyed while Building, Afloat, or in Dry Dock

Master  
Year of appointment  
Built at Dundee  
When built 1898 Launched 3<sup>rd</sup> August  
By whom built Dundee Shipbuilders Co. Ltd.  
Owners J. Constant  
Managers  
(Where necessary to be entered in Reg. Book).  
Residence London  
Port belonging to London

LENGTH on Deck as Feet. Inches. BREADTH—Feet. Inches. DEPTH, ACTUAL—Feet. Inches. No. of Decks with Flat laid  
per Rule 71 7 Moulded 18 6 Top of Floors to top of Main Deck Beams 9 5 1/2 No. of Tiers of Beams  
Dimensions of Ship per Register, Length, 72.5 breadth, 18.6 depth, 9.5 Moulded Depth, 9 ft. 11 ins. Round of Beam, Actual 5 1/2 ins.

| FRAMING.  |  | Inches in Ship. | Inches in Ship. | Inches in Ship. | Inches in Ship. | Inches in Ship. | Inches in Ship. |
|---|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| FRAME, Angles, $\frac{1}{2}$ or $\frac{3}{4}$ Bars, for $\frac{1}{2}$ length amidships    |  | 3 1/2           | 2 1/2           | 6               | 3 1/2           | 2 1/2           | 6               |
| Do. for $\frac{1}{2}$ at each end   |  | 3 1/2           | 2 1/2           | 6               | 3 1/2           | 2 1/2           | 6               |
| Do. in way of Double Bottoms at Solid Floors.   |  |                 |                 |                 |                 |                 |                 |
| " " at intermdt. Bkts.  |  |                 |                 |                 |                 |                 |                 |
| Distance of Frames from moulding edge to moulding edge, all fore and aft                  |  | 20              |                 | 20              |                 |                 |                 |
| REVERSED FRAME, Angles  |  | 2 1/4           | 2 1/4           | 5               | 2 1/2           | 2               | 5               |
| DEEP FRAMING, depth of girder   |  |                 |                 |                 |                 |                 |                 |
| FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships |  | 11              |                 | 6               | 11              |                 | 6               |
| " in way of Engines and Boilers   |  |                 |                 | 8               |                 |                 | 8               |
| " thickness at the ends of vessel   |  | 6 1/2           |                 | 6               |                 |                 |                 |
| " depth at $\frac{1}{2}$ the half breadth, as per Rule                                    |  | 22              |                 | 22              |                 |                 |                 |
| " height extended at the Bilges   |  |                 |                 |                 |                 |                 |                 |
| FLOORS & BRACKETS, in Cell Dble Bottoms   |  |                 |                 |                 |                 |                 |                 |
| " Distance apart  |  |                 |                 |                 |                 |                 |                 |
| CENTRE GIRDER, in Double Bottom, depth and thickness                                      |  |                 |                 |                 |                 |                 |                 |
| " Angles, Top   |  |                 |                 |                 |                 |                 |                 |
| " Bottom  |  |                 |                 |                 |                 |                 |                 |
| SIDE GIRDERS, number on each side & thickness   |  |                 |                 |                 |                 |                 |                 |
| " Angles  |  |                 |                 |                 |                 |                 |                 |
| MARGIN PLATE, depth (exclusive of flange) and thickness                                   |  |                 |                 |                 |                 |                 |                 |
| " Angles to Outside Plating   |  |                 |                 |                 |                 |                 |                 |
| 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           | 2 1/2           | 6               | 3 1/2           | 2 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 or Pt. Awng. 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  |  | 2 1/4           |                 | 2 1/4           |                 |                 |                 |
| " Quarter, 'tween Dks.,   |  |                 |                 |                 |                 |                 |                 |
| " in Hold   |  |                 |                 |                 |                 |                 |                 |
| WEB FRAMES, In Fore Body, No. and Spacing   |  |                 |                 |                 |                 |                 |                 |
| " No. of Side Stringers   |  |                 |                 |                 |                 |                 |                 |
| WEB FRAMES, In E. & B. Space, No. & Spacing   |  |                 |                 |                 |                 |                 |                 |
| " No. of Side Stringers   |  |                 |                 |                 |                 |                 |                 |
| WEB FRAMES, In After Body, No. and Spacing  |  |                 |                 |                 |                 |                 |                 |
| " 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 in Ship. | Inches in Ship. | Inches in Ship. | Inches in Ship.          | Inches in Ship. |
|---|-----------|-----------------------------|-----------------|-----------------|-----------------|--------------------------|-----------------|
| KEEL, Bar or Side Plates depth and thickness  |           | 5 1/2 x 1 1/2               |                 | 5 1/2 x 1 1/2   |                 |                          |                 |
| STEM, moulding and thickness  |           | 5 1/2 x 1 1/2               |                 | 5 1/2 x 1 1/2   |                 |                          |                 |
| STERN-POST for Rudder do. do.   |           | 5 1/2 x 2 1/2               |                 | 5 1/2 x 2 1/2   |                 |                          |                 |
| " for Propeller   |           | 5 1/2 x 2 1/2               |                 | 5 1/2 x 2 1/2   |                 |                          |                 |
| MAIN PIECE of Rudder, diameter at head  |           | 3 1/2                       |                 | 3 1/2           |                 |                          |                 |
| do. at heel   |           | 2 1/2                       |                 | 2 1/2           |                 |                          |                 |
| RUDDER, how constructed   |           | Build from 1/2 single plate |                 |                 |                 |                          |                 |
| Can the Rudder be unshipped afloat?   |           | no.                         |                 |                 |                 |                          |                 |
| 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 Intercostal Plate |           | 15                          | x               | 5               | 15              | x                        | 5               |
| " Rider Plate   |           |                             |                 |                 |                 |                          |                 |
| " Bulb Plate to Intercostal Keelson, at fore and aft                                  |           | 7                           | x               | 8               | 7               | x                        | 8               |
| " Horizontal Plates on Floors   |           | 4                           | 3               | 8               | 4               | 3                        | 8               |
| " Angles  |           | 4 1/2                       | 4 1/2           | 8               | 5               | 3                        | 9               |
| SIDE KEELSON, Angles  |           | 4 1/2                       | 4 1/2           | 8               | 5               | 3                        | 9               |
| " Bulb or Plate above floors for length   |           |                             |                 |                 |                 |                          |                 |
| " Intercostal Plate for length  |           |                             |                 |                 |                 |                          |                 |
| " Attached to outside plating with Angle  |           |                             |                 |                 |                 |                          |                 |
| BILGE KEELSON, Angles   |           |                             |                 |                 |                 |                          |                 |
| " Bulb or Plate above floors for length   |           |                             |                 |                 |                 |                          |                 |
| " Intercostal Plate for length  |           |                             |                 |                 |                 |                          |                 |
| " Attached to outside plating with Angle  |           |                             |                 |                 |                 |                          |                 |
| BILGE STRINGER Angles   |           |                             |                 |                 |                 |                          |                 |
| " Bulb Plate for length   |           |                             |                 |                 |                 |                          |                 |
| " Intercostal Plate for length  |           |                             |                 |                 |                 |                          |                 |
| " Attached to outside plating with Angle  |           |                             |                 |                 |                 |                          |                 |
| SIDE STRINGER Angles  |           | 4 1/2                       | 4 1/2           | 8               | 5               | 3                        | 9               |
| " Bulb or Intercostal Plate for length  |           |                             |                 |                 |                 |                          |                 |
| " Attached to outside plating with Angle  |           |                             |                 |                 |                 |                          |                 |
| Main and Raised Quarter Deck Stringer Plate, breadth and thickness                    |           | 4 1/2                       | 3/8             | 4 1/2           | 3/8             |                          |                 |
| " Angle on ditto  |           | 3 1/2 x 3/8                 | 2 1/2           | 3 1/2 x 3/8     | 2 1/2           |                          |                 |
| " Tie Plates fore & aft, outside Hatchways  |           |                             |                 |                 |                 |                          |                 |
| " Diagonal Tie Plates on Bms., No. of Pairs   |           |                             |                 |                 |                 |                          |                 |
| " Main Dk* Iron or Steel for full length  |           |                             |                 |                 |                 |                          |                 |
| " R. Q. Dk* Iron or Steel for full length   |           |                             |                 |                 |                 |                          |                 |
| " Wood Deck, Material & thickness   |           | Chequered iron              |                 |                 |                 |                          |                 |
| 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, brdth & thickness   |           |                             |                 |                 |                 |                          |                 |
| " Angle on ditto  |           |                             |                 |                 |                 |                          |                 |
| " Tie Plates  |           |                             |                 |                 |                 |                          |                 |
| " Deck, Material and thickness  |           |                             |                 |                 |                 |                          |                 |
| Forecastle Deck Stringer Plate, brdth & thickness                                     |           |                             |                 |                 |                 |                          |                 |
| " Angle on ditto  |           |                             |                 |                 |                 |                          |                 |
| " Tie Plates  |           |                             |                 |                 |                 |                          |                 |
| " Deck, Material and thickness  |           |                             |                 |                 |                 |                          |                 |
| * 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. |                             |                 | Size.           | Spacing.        | Size.                    | Spacing.        |
| W.T. BULKHEADS  | 4         | 4                           | 5               | 3x22x 1/2       | 48              | 3x22x 1/2                | 30              |
| PARTITION   | 2         |                             | 4               |                 |                 | 3x22x 1/2                | 30              |
| LONGITUDINAL  |           |                             |                 |                 |                 |                          |                 |
| Are the outside Plates doubled two spaces of Frames in length?                        |           |                             |                 |                 |                 |                          |                 |
| Are the Sluice Valves and Watertight Doors in efficient working order?                |           |                             |                 |                 |                 |                          |                 |



| PLATING.   |  |  |  |                          |  |           |  |                   |                 | RIVETING.                     |                           |                                       |         |                            |          |            |            |                  |  |  |
|--|--|--|--|--------------------------|--|-----------|--|-------------------|-----------------|-------------------------------|---------------------------|---------------------------------------|---------|----------------------------|----------|------------|------------|------------------|--|--|
| AS IN SHIP.  |  |  |  | PER RULE OR AS APPROVED. |  | EDGES.    |  |                   | BUTTS.          |                               |                           |                                       |         |                            |          |            |            |                  |  |  |
| AMIDSHIP.  |  | FORWARD.   |  | AFT.                     |  | AMIDSHIP. |  | Single or Double. | Breadth of Lap. | RIVETS.                       |                           | Double or Treble and for what Length. | RIVETS. |                            | STRAPS.  |            | IF LAPPED. |                  |  |  |
| Breadth.   | Thickness.   | Thickness.   | Thickness.   | Breadth.                 | Thickness.   | Breadth.  | Thickness.   |                   |                 | Diam.                         | Spacing cr. to c. Inches. |                                       | Diam.   | Spacing cr. to cr. Inches. | Breadth. | Thickness. | Breadth.   | For what Length. |  |  |
| Inches.  | $\frac{1}{16}$ or $\frac{1}{8}$ or $\frac{1}{4}$ in. | $\frac{1}{16}$ or $\frac{1}{8}$ or $\frac{1}{4}$ in. | $\frac{1}{16}$ or $\frac{1}{8}$ or $\frac{1}{4}$ in. | Inches.                  | $\frac{1}{16}$ or $\frac{1}{8}$ or $\frac{1}{4}$ in. | Inches.   | $\frac{1}{16}$ or $\frac{1}{8}$ or $\frac{1}{4}$ in. | Inches.           | Inches.         | Inches.                       | Inches.                   | Inches.                               | Inches. | Inches.                    | Inches.  | Feet.      |            |                  |  |  |
| <b>FLAT PLATE KEEL</b> .....<br>(If Bar Keel, state Riveting)<br><b>GARBOARD OF A Strake</b> ... |  |  |  |                          |  |           |  |                   |                 | <i>Keel Riveting = Double</i> |                           | <i>Double</i>                         |         |                            |          |            |            |                  |  |  |
|  | 32   | 7  | 7  | 7                        | 36   | 7         | 7  | Double            | 4 1/2           | 3/4                           | 5/8                       | Double                                | 3/4     | 2 3/4                      | 7 3/4    | 7          |            |                  |  |  |
| State actual thickness in way of Double Bottom.  | B  | 37 1/2   | 7  | 6                        | 6  | 38        | 7  | Single            | 2 1/2           | "                             | "                         | "                                     | "       | "                          | "        | 7          |            |                  |  |  |
|  | C  | 35 1/2   | 7  | 6                        | 6  | 36        | 7  | "                 | "               | "                             | "                         | "                                     | "       | "                          | "        | 7          |            |                  |  |  |
|  | D  | 37 1/2   | 7  | 6                        | 6  | 39        | 7  | "                 | "               | "                             | "                         | "                                     | "       | "                          | "        | 7          |            |                  |  |  |
|  | E  | 36   | 7  | 8                        | 6  | 37        | 7  | Double            | 4 1/2           | "                             | "                         | "                                     | "       | "                          | "        | 7          |            |                  |  |  |
| Sheer  | F  | 36 1/2   | 10   | 10                       | 10   | 37        | 10   |                   |                 |                               |                           |                                       |         |                            |          | 10         |            |                  |  |  |
|  | G  |  |  |                          |  |           |  |                   |                 |                               |                           |                                       |         |                            |          |            |            |                  |  |  |
|  | H  |  |  |                          |  |           |  |                   |                 |                               |                           |                                       |         |                            |          |            |            |                  |  |  |
|  | J  |  |  |                          |  |           |  |                   |                 |                               |                           |                                       |         |                            |          |            |            |                  |  |  |
|  | K  |  |  |                          |  |           |  |                   |                 |                               |                           |                                       |         |                            |          |            |            |                  |  |  |
|  | L  |  |  |                          |  |           |  |                   |                 |                               |                           |                                       |         |                            |          |            |            |                  |  |  |
|  | M  |  |  |                          |  |           |  |                   |                 |                               |                           |                                       |         |                            |          |            |            |                  |  |  |
|  | N  |  |  |                          |  |           |  |                   |                 |                               |                           |                                       |         |                            |          |            |            |                  |  |  |
|  | O  |  |  |                          |  |           |  |                   |                 |                               |                           |                                       |         |                            |          |            |            |                  |  |  |
|  | P  |  |  |                          |  |           |  |                   |                 |                               |                           |                                       |         |                            |          |            |            |                  |  |  |
| DOUBLING OF Flat Plate Keel  |  |  |  |                          |  |           |  |                   |                 |                               |                           |                                       |         |                            |          |            |            |                  |  |  |
| Length and thickness of Bilges .....   |  |  |  |                          |  |           |  |                   |                 |                               |                           |                                       |         |                            |          |            |            |                  |  |  |
| of Sheer strakes .....   |  |  |  |                          |  |           |  |                   |                 |                               |                           |                                       |         |                            |          |            |            |                  |  |  |
| of Strake below  |  |  |  |                          |  |           |  |                   |                 |                               |                           |                                       |         |                            |          |            |            |                  |  |  |
| POOF SIDES .....   |  |  |  |                          |  |           |  |                   |                 |                               |                           |                                       |         |                            |          |            |            |                  |  |  |
| RAISED QUARTER DECK SIDES .....  |  |  |  |                          |  |           |  |                   |                 |                               |                           |                                       |         |                            |          |            |            |                  |  |  |
| BRIDGE SIDES .....   |  |  |  |                          |  |           |  |                   |                 |                               |                           |                                       |         |                            |          |            |            |                  |  |  |
| FORECASTLE SIDES .....   |  |  |  |                          |  |           |  |                   |                 |                               |                           |                                       |         |                            |          |            |            |                  |  |  |
| LENGTHS OF PLATING .....   |  |  |  |                          |  |           |  |                   |                 | Six frame spaces              |                           |                                       |         |                            |          |            |            |                  |  |  |

Write Sheer Strake opposite to corresponding letter.

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.? *Plates - Summerlee & Haesend*  
*Sid. Co.* *Barrs - Steel Co. of Scotland, &*  
*Cornwall Iron Co.*

Has the Steel been tested as required by the Rules *yes*

Main Stringer Plate { Butts, <sup>double</sup> riveted for *full* length amidship.  
Straps, single, double or overlapped for full length amidship.

Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted? *yes*

Inner Bottom Plating, riveting of Edges — Butts

Centre Girder Butts, ✓ riveted. Keelson Butts, Treble riveted.

Frames, riveted through Plates with *9/16"* in. Rivets, about *5 1/2"* apart.

Rivets, state whether of Iron or Steel *iron*

FRAMES extend in one length from keel to main deck  
 REVERSED FRAMES on floors and frames extend from to upper turn of Bilge : double in 8" B space

| MASTS, SPARS, &c.                      |             |                |   |       |         |       |                           |         |       |           |        |
|--|-------------|----------------|---|-------|---------|-------|---------------------------|---------|-------|-----------|--------|
|  | Material.   | Total length.  | DIAMETER AND THICKNESS.                         |       |         |       | No. of Plates in round.   | ANGLES. |       | RIVETING. |        |
|  |             |                | At Partners.                                    | Heel. | Hounds. | Head. |                           | Number. | Size. | Seams.    | Butts. |
| LOWER MASTS....                        | Fore .....  | <i>P. Pine</i> |   |       |         |       |                           |         |       |           |        |
|  | Main .....  | <i>✓</i>       |   |       |         |       |                           |         |       |           |        |
|  | Mizen.....  | <i>✓</i>       |   |       |         |       |                           |         |       |           |        |
| Bowsprit                               | <i>✓</i>    |                |   |       |         |       |                           |         |       |           |        |
| Topmasts, Yards and Remainder of Spars |             |                | <i>none</i>                                     |       |         |       |                           |         |       |           |        |
| Rigging, Material and Size, Shrouds    |             |                | <i>1 1/2" steel wire</i>                        |       |         |       | Stays <i>2" best wire</i> |         |       |           |        |
| Sails.                                 | <i>none</i> | Suit of        | Sails and the following spare sails <i>none</i> |       |         |       |                           |         |       |           |        |

[illegible][illegible]

Boats *one*

Pumps, Number *Three* Diameter of Barrel *4"* State whether they are in efficient working order *yes*

Windlass is *an iron hand windlass and* Capstan

Engine Room Skylights.—How constructed? *Feak*

What arrangements for deadlights in bad weather? *strong glass bull's eyes*

Coal Bunker Openings.—How constructed? *plates & angles* How are lids secured? *Iron plates with hinges* height above deck? *3'-6"*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *16 scuppers 7 1/2" x 1 1/2" on each side*

Ceiling in *Bunkers* thickness and material *2" W. pine* Ceiling 'tween Decks, thickness and material *✓*

Cargo Hatchways.—How formed? *none* Hatches.—If strong and efficient? *✓*

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 *✓* **No. of Breasthooks** *one* **No. of Crutches** *one*

Bulwarks, height above deck and description *24" x 9/16" plating* Main Rail, material and size. *5" x 2 1/2" x 1/2" Bull angle (steel)*

The above is a correct description.

FOR THE DUNDEE SHIPBUILDERS CO., LD.

Builder's Signature (here only.) *Robt E. Kidd* Surveyor's Signature *Wm Morrison*

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). *Secretary's letter*  
*M - 24<sup>th</sup> Nov; 3<sup>rd</sup> + 14<sup>th</sup> Dec 1897; 8<sup>th</sup> Jan, 22<sup>nd</sup> Mar + 12<sup>th</sup> May 1898; 6-26<sup>th</sup> Feb 1898*

**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 the plating? *no*

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*

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *yes*

**General Remarks** (State quality of workmanship, &c.) *This vessel has been built under special survey in accordance with the approved plans and Secretary's letter referred to, and in general conformity with the Rules for the class contemplated.*  
*The steel used in the construction of this vessel has been tested by the Society's surveyors and the materials and workmanship are sound & good.*  
*The anchors and chain cable now on board are not in accordance with the weights and sizes approved.*

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 ☒ 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) *1 St. (iron)*

Official No. ☒ ; Signal Letters ☒ .

How are the surfaces preserved from oxidation? Inside *Portland cement and paint* Outside *Paint*

| PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors |                   |                          |  |                   |                          |
|---|-------------------|--------------------------|--|-------------------|--------------------------|
| Where fitted.   | *Length.<br>Feet. | Water Capacity.<br>Tons. | Where fitted.  | *Length.<br>Feet. | Water Capacity.<br>Tons. |
| Double bottom, aft,   |                   |                          | Fore peak tank,  |                   |                          |
| Double bottom, under Engines and Boilers,   |                   |                          | After peak tank,                                       |                   |                          |
| Double bottom, if under Engines only,   |                   |                          | Midship deep tank,                                     |                   |                          |
| Double bottom, if under Boilers only,   |                   |                          | Other tanks, if fitted,                                |                   |                          |
| Double bottom, forward,   |                   |                          | (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 ☒

|   |   |   |
|---|---|---|
| Order for Special Survey No. <u>622</u> | Dates of Surveys<br>held while building | <u>Feb 11-16-26; Mar 23-27-31; April 7-14-18-20-30; May 5-7-11-13-18-26</u>   |
| Date <u>19<sup>th</sup> Nov, 1897</u>   |   | <u>June 2-8-9-14-17-20-24; July 1-4-7-19-20, August 2-9-12-17-19-20-22-24</u> |
| No. <u>117</u> in builder's yard        |   |   |
|   |   | Total No. of Visits <u>34</u>   |

The amount of Entry Fee .....£ : : : Fees applied for, 27<sup>th</sup> Aug 1828  
Special.....£ : : :  
Certificate £ : : : Received by me, 22-9-1828  
Travelling Expenses, if any £ : : :  
State whether the Vessel has been built under Special Survey *yes*  
I am of opinion this Vessel should be Classed *\*100A - steel*  
With, or without Freeboard, as condition of Class *For Towing Purposes*

\* Certificate to be sent to *Dundee office*  
*Wm Morrison*  
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute  
Character assigned

FRI. 2 SEP 1893

100A - Steel  
for sawing purposes

+ 2mc 8, 98

1 Sk (Lan)

W.S.

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Lloyd's Register Foundation

Hull Certificate,  
1893.