

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

# IRON OR STEEL STEAMER.

State if Report is also sent on the Machinery of the Vessel *Yes*  
Date of completion of Report *June 7, 1905*

No. *67403*  
MON. 5 JUN 1905

Received at London Office.

Port of *London*  
Date, First Survey *Nov 15, 1904* Last Survey *May 26, 1905*

Survey held at *London*  
On the *STEEL PADDLE STEAMER "BRUNEL"*  
TONNAGE under  
Tonnage Deck... *125.7*  
Do. of Poop  
Do. of Raised Qr.  
Do. 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... *125.7*  
Gross Tonnage  
Less Crew Space  
Less above Crown of  
Engine Room... *122.7*  
TONNAGE FOR FEES...  
Less Engine Room  
Less Navigation Spaces  
Register Tonnage  
as cut on Beam... *57.51*

ONE OR TWO DECKED VESSEL.

CLASS *River purposes only.*

Half Breadth (moulded)... *7.25*  
Depth from upper part of Keel to top of Main Deck Bms.  
(with the normal round up of beam) *7.37*  
Girth of Half Midship Frame (as per Rule)... *15.89*  
1st Number... *32.57*  
Length on deck from after part of stem to fore part of  
stern post... *129.46*  
2nd Number... *4208.6*  
Proportions—Breadths to Length... *7.0*  
Depths to Length—Main Deck to top of Keel... *17.6*  
Destined Voyage

Master *E. J. Fairman*  
Year of appointment (1) As master in service of  
owner of present vessel:—19 *05*  
(2) As master of this  
vessel:—19 *05*  
Built at *Wanning Iron London*  
When built *1905* Launched *Apr 20, 1905*  
By whom built *Thames Ironworks Co.*  
Owners *London County Council*  
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 *one*  
per Rule... *129* *53* Moulded... *18* *6* Top of Floors to top of Main Deck Beams... *6* *105* No. of Tiers of Beams *one*  
Dimensions of Ship per Register, Length, *129.9* breadth, *18.56* depth, *6.75* Moulded Depth, *7* ft. *0* ins. Round of Beam, Actual *42* ins.

| FRAMING.   |                 |                         | FORGINGS AND CASTINGS.  |                 |                         |
|--|-----------------|-------------------------|---|-----------------|-------------------------|
| Inches in Ship.  | Inches in Ship. | 16ths or 20ths in Ship. | Inches in Ship.   | Inches in Ship. | 16ths or 20ths in Ship. |
| FRAME, Angles, <i>7</i> or <i>8</i> Bars for length amidships... <i>2 1/2</i> <i>2</i> <i>6/32</i> <i>5 1/2</i> <i>2</i> <i>6/32</i> |                 |                         | KEEL, Bar or Side Plates depth and thickness... <i>3 x 3/4</i> <i>3 x 3/4</i>   |                 |                         |
| Do. for <i>1</i> at each end... <i>2 1/2</i> <i>2</i> <i>6/32</i> <i>2 1/2</i> <i>2</i> <i>6/32</i>                                  |                 |                         | STEM, moulding and thickness... <i>4 x 2 1/2 x 2 1/2 x 3/8</i> <i>4 x 2 1/2 x 2 1/2 x 3/8</i>   |                 |                         |
| Do. in way of Double Bottoms at Solid Floors... <i>24</i> <i>6/32</i> <i>2 1/2</i> <i>24</i> <i>6/32</i> <i>2 1/2</i>                |                 |                         | STERN-POST for Rudder do. do. <i>4 x 2 1/2 x 2 1/2 x 3/8</i> <i>4 x 2 1/2 x 2 1/2 x 3/8</i>   |                 |                         |
| Spacing of Frames from centre to centre... <i>2</i> <i>2</i> <i>6/32</i> <i>2</i> <i>2</i> <i>6/32</i>                               |                 |                         | MAIN PIECE of Rudder, diameter at head... <i>3 1/2</i> <i>3 1/2</i>   |                 |                         |
| REVERSED FRAME, Angles... <i>2</i> <i>2</i> <i>6/32</i> <i>2</i> <i>2</i> <i>6/32</i>  |                 |                         | at heel... <i>2 1/4</i> <i>2 1/4</i>  |                 |                         |
| DEEP FRAMING, depth of girder... <i>6</i> <i>6/32</i> <i>6</i> <i>6/32</i>   |                 |                         | RUDDER, how constructed <i>Single Plate</i>   |                 |                         |
| FLOORS, depth and thickness of Floor Plate at mid-line for <i>1</i> length amidships... <i>6</i> <i>6/32</i> <i>6</i> <i>6/32</i>    |                 |                         | Can the Rudder be unshipped afloat? <i>Yes</i>  |                 |                         |
| in way of Engines and Boilers... <i>6</i> <i>6/32</i> <i>6</i> <i>6/32</i>   |                 |                         | KEELSONS AND STRINGERS.   |                 |                         |
| thickness at the ends of vessel... <i>2</i> <i>2</i> <i>6/32</i> <i>2</i> <i>2</i> <i>6/32</i>                                       |                 |                         | CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate... <i>8 1/2</i> <i>6/32</i> <i>8 1/2</i> <i>6/32</i> |                 |                         |
| depth at <i>1</i> the half breadth, as per Rule... <i>2</i> <i>2</i> <i>6/32</i> <i>2</i> <i>2</i> <i>6/32</i>                       |                 |                         | Rider Plate... <i>2 1/2</i> <i>2</i> <i>3/16</i> <i>2 1/2</i> <i>2</i> <i>3/16</i>  |                 |                         |
| height extended at the Bilges... <i>2</i> <i>2</i> <i>6/32</i> <i>2</i> <i>2</i> <i>6/32</i>   |                 |                         | Bulb Plate to Intercoastal Keelson... <i>2 1/2</i> <i>2</i> <i>3/16</i> <i>2 1/2</i> <i>2</i> <i>3/16</i>                                   |                 |                         |
| FLOORS & BRACKETS, in Cell Dble Bottoms  |                 |                         | Horizontal Plates on Floors... <i>2 1/2</i> <i>2</i> <i>3/16</i> <i>2 1/2</i> <i>2</i> <i>3/16</i>  |                 |                         |
| state if flanged (top & bottom)  |                 |                         | Angles... <i>2 1/2</i> <i>2</i> <i>3/16</i> <i>2 1/2</i> <i>2</i> <i>3/16</i>   |                 |                         |
| Spacing  |                 |                         | SIDE KEELSON, Angles... <i>2 1/2</i> <i>2</i> <i>3/16</i> <i>2 1/2</i> <i>2</i> <i>3/16</i>   |                 |                         |
| CENTRE GIRDER, in Double Bottom, depth and thickness   |                 |                         | Bulb or Plate above floors for lng.   |                 |                         |
| Angles, Top  |                 |                         | Intercoastal Plate for length   |                 |                         |
| Bottom   |                 |                         | Attached to outside plating with Angle..  |                 |                         |
| SIDE GIRDERS, number on each side & thickness  |                 |                         | BILGE KEELSON, Angles   |                 |                         |
| state if flanged (top & bottom)  |                 |                         | Bulb or Plate above floors for lng.   |                 |                         |
| Angles   |                 |                         | Intercoastal Plate for length   |                 |                         |
| MARGIN PLATE, depth (exclusive of flange) and thickness  |                 |                         | Attached to outside plating with Angle..  |                 |                         |
| Angles to Outside Plating  |                 |                         | BILGE STRINGER Angles   |                 |                         |
| Floors   |                 |                         | Bulb Plate for length   |                 |                         |
| Height of Floors at the Bilges   |                 |                         | Intercoastal Plate for length   |                 |                         |
| 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  |                 |                         |
| Remainder in Holds   |                 |                         | Bulb or Intercoastal Plate for lng.   |                 |                         |
| BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb   |                 |                         | Attached to outside plating with Angle  |                 |                         |
| Angles on Upper Edge   |                 |                         | Main and Raised Quarter Deck Stringer Plate, breadth and thickness  |                 |                         |
| Spacing  |                 |                         | Angle on ditto  |                 |                         |
| BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb   |                 |                         | Tie Plates, outside Hatchways   |                 |                         |
| Angles on Upper Edge   |                 |                         | Diagonal Tie Plates on Bulk No. of Pairs  |                 |                         |
| Spacing  |                 |                         | Main Dk* Iron or Steel for <i>1</i> <i>1</i> <i>1</i> <i>1</i> <i>1</i> <i>1</i>  |                 |                         |
| BEAMS, Hold, Plate or Tee Bulb   |                 |                         | R.Q. Dk* Iron or Steel for lng.   |                 |                         |
| Angles on Upper Edge   |                 |                         | Wood Deck, Material & thickness   |                 |                         |
| Spacing  |                 |                         | Lower Deck Stringer Plate, breadth and thickness  |                 |                         |
| BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb   |                 |                         | Angles on ditto, No.  |                 |                         |
| Angles on Upper Edge   |                 |                         | Tie Plates, outside Hatchways   |                 |                         |
| Spacing  |                 |                         | Deck* Material and thickness  |                 |                         |
| BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate, or Tee Bulb   |                 |                         | Hold Stringer Plate   |                 |                         |
| Angles on Upper Edge   |                 |                         | Angles on ditto, No.  |                 |                         |
| Spacing  |                 |                         | Poop Deck Stringer Plate, breadth & thickness   |                 |                         |
| BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb   |                 |                         | Angle on ditto  |                 |                         |
| Angles on Upper Edge   |                 |                         | Tie Plates  |                 |                         |
| Spacing  |                 |                         | Deck, Material and thickness  |                 |                         |
| BULKHEADS, In 'tween Decks, Size and Spacing   |                 |                         | Bridge or Pt. Awning Deck Stringer Plate, breadth and thickness   |                 |                         |
| Hold   |                 |                         | Angle on ditto  |                 |                         |
| Quarter, 'tween Dks.,  |                 |                         | Tie Plates  |                 |                         |
| in Hold  |                 |                         | Deck, Material and thickness  |                 |                         |
| WEB FRAMES, In Fore Body, No. and Spacing  |                 |                         | Forecastle Deck Stringer Plate, brdth & thcknss   |                 |                         |
| Brdth. & Thickness   |                 |                         | Angle on ditto  |                 |                         |
| No. of Side Stringers  |                 |                         | Tie Plates  |                 |                         |
| WEB FRAMES, In E. & B. Space, No. & Spacing  |                 |                         | Deck, Material and thickness  |                 |                         |
| Brdth. & Thickness   |                 |                         | * If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.  |                 |                         |
| No. of Side Stringers  |                 |                         | BULKHEADS.  |                 |                         |
| Size of Angles or Tee Bars to Web Frames   |                 |                         | In Vessel. Per Rule. Thickness. Horizontal. Vertical. Single or Double Frames. Height up.   |                 |                         |
| BRACKET PLATES to Stringers between Web Frames, Depth and Thickness  |                 |                         | W.T. BULKHEADS  |                 |                         |
|  |                 |                         | PARTITION   |                 |                         |
|  |                 |                         | LONGITUDINAL  |                 |                         |



PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. RIVETING. BUTTS. 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.?

Correspondence. State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case). Workmanship. Are the butts of plating planed or otherwise fitted? Is the riveted work properly closed? Are the liners between the frames and plates solid single pieces?

