

IRON OR STEEL SHIP.

(Received at London Office, *LINE 1700*)

94

No. *94* Survey held at *Middlesbrough* Date, First Survey *Jan 8th 1890* Last Survey *June 12th 1890*
 On the *Hal Seren Steamer TANDIL* Rig *Schooner 2 masts*
 Master *Owen*
 Year of appointment *1889*
 Built at *Middlesbrough*
 When built *1889* Launched *Apr 17th 90*
 By whom built *Raylton Dixon & Co*
 Owners *A. Holland & Co*
 Managers *The Buenos Ayres Great Southern Ry. Co. (Ld)*
 Residence *London*
 Port belonging to *London*
 Destined Voyage *River Plate*
 X Surveyed while Building, Afloat, or in Dry Dock.

TONNAGE under Tonnage Deck *1641.47* **ONE, OR TWO DECKED, THREE DECKED VESSEL, SPAR, OR AWNING-DECKED VESSEL.**
 Half Breadth (moulded) *19.42*
 Depth from upper part of Keel to top of Upper Deck Beams *22.08*
 Girth of Half Midship Frame (as per Rule) *37.87*
 1st Number *79.37*
 1st Number, if a 3-Decked Vessel deduct 7 feet *✓*
 Length *275.5*
 2nd Number *21866*
 Proportions—Breadths to Length *7.09*
 Depths to Length—Upper Deck to Keel *12.47*
 Main Deck ditto *✓*

LENGTH on deck as per Rule *275* **BREADTH** Moulded *38* **DEPTH** top of Floors to Upper Deck Beams *20* **Power of Engines** *200* **Horse** *200* **Nº. of Decks with flat laid** *1* **Nº. of Tiers of Beams** *14*

Dimensions of Ship per Register, length, *277.0* breadth, *39.0* depth, *18.2* Moulded depth *21.3*

KEEL, depth and thickness *10 x 2 3/4*
STEM, moulding and thickness *10 x 2 3/4*
STERN-POST for Rudder do. do. *10 x 6*
 " " for Propeller *24*
 Distance of Frames from moulding edge to moulding edge, all fore and aft *(Class 100A)*

FRAMES, Angle Iron, for 1/2 length amidships *5 3 8*
 Do. for 1/4 at each end *5 3 7*
REVERSED FRAMES, Angle Iron *3 2 3 8*
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships *24*
 " thickness at the ends of vessel *9.8*
 " depth at 3/4 the half-bdth. as per Rule *18*
 " height extended at the Bilges *as per plans*

BEAMS, Upper, Spar, or Awning Deck Single or double Angle Iron, Plate or Tee Bulb Iron *16 2 3 9*
 Single or double Angle Iron on Upper edge *24*
 Average space *24*
BEAMS, Main, or Middle Deck Single or double Angle Iron, Plate or Tee Bulb Iron *9 5 4 9*
 Single or double Angle Iron on Upper Edge *See elevation*
 Average space *21*
BEAMS, Lower Deck Single or double Angle Iron, Plate or Tee Bulb Iron *6 4 9*
 Single or double Angle Iron on Upper Edge *6 4 9*
 Average space *6 4 9*
BEAMS, Hold, or Orlop under R.D. Single or double Angle Iron, Plate or Tee Bulb Iron *21*
 Single or double Angle Iron on Upper Edge *10*
 Average space *21*
KEELSONS Centre line, single or double plate, box, or intercostal, Plates *6 4 9*
 " Rider Plate *13*
 " Bulb Plate to intercostal Keelsons *4 4 9*
 " Angle Irons *4 4 9*
 " Double Angle Iron Side Keelson *6 4 9*
 " Side intercostal Plate *6 4 9*
 " do. Angle Irons *6 4 9*
 " Attached to outside plating with angle iron *6 4 9*

BILGE Angle Irons *6 4 9*
 " do. Bulb Iron *6 4 9*
 " do. Intercostal plates riveted to plating for length *6 4 9*

BILGE STRINGER Angle Irons *6 4 9*
 Intercostal plates riveted to plating for length *6 4 9*

SIDE STRINGER Angle Irons *6 4 9*

The **FRAMES** extend in one length from *bigg wharf, bilge* to *top height*
 The **REVERSED ANGLE IRONS** on floors and frames extend *across* middle line to *bilges, bilges to main and spar stringers and to hold beams & R.D.* alternately
KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? *✓* And butts properly shifted? *✓*

PLATING. Garboard, double riveted to Keel, with rivets *7/8* in. diameter, averaging *3 1/2* ins. from centre to centre.
 " Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets *7/8* in. diameter averaging *3 1/2* ins. from centre to centre.
 " Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets *7/8* in. diameter averaging *3 1/2* ins. from centre to centre.
 " Butts of all Strakes at Bilge for *1/2* length, treble riveted with Butt Straps *3/20* thicker than the plates they connect, unless lapped.
 " Edges from Bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets *7/8* in. diameter, averaging *3 1/2* ins. from cr. to cr.
 " Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets *7/8* in. diameter, averaging *3 1/2* ins. from cr. to cr.
 " Edges of Main Sheerstrake, double or single riveted. **Upper Sheerstrake, double or single riveted.**
 " Butts of Main Sheerstrake, treble riveted for *1/2* length amidships. Butts of Upper or Spar Sheerstrake, treble riveted length amidships.
 " Butts of Main Stringer Plate, treble riveted for *1/2* length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for length.
 " Breadth of laps of plating in double riveting *6 diam* Breadth of laps of plating in single riveting *✓*

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? *✓* No. of Breasthooks, *3* Crutches, *deck floors*

What description of *steel* is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? *Siemens Martin*
 Manufacturer's name or trade mark, *Consolidated Steel Works Ltd. Newcastle-on-Tyne*
 The above is a correct description.
 Builder's Signature *RAYLTON DIXON & CO.* Surveyor's Signature *W. M. Williams*
 Surveyor to Lloyd's Register of British and Foreign Shipping.

State clearly where plating is of alternate thickness—as distinguished from diminished thickness at ends of vessel.

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