

IRON OR STEEL SHIP.

(Received at London Office, LINE 1100)

94

No. 94 Survey held at Middlesbrough Date, First Survey Jan 2^d 1890 Last Survey June 12th 1890
On the Steel Screw Steamer TANDIL Port of Middlesbrough Rig Schooner 2 masts

Tonnage under Tonnage Deck	1641.47
between Tonnage Dk. and 3rd, 4th, Spar or Avoning Dk. <u>Light Air</u>	8.42
total under Upper Dk.	
No. of Poop	66.01
No. of Raised Qr. Dk. <u>Break</u>	90.60
No. of Bridge House	306.73
No. of Houses on Deck	8.42
No. of excess of Hatchways	22.73
No. of Forecastle	45.87
Gross Tonnage	2188.21
less Crew Space <u>64.05</u>	81.14
less Mast &c <u>17.09</u>	
less Engine Room register Tonnage <u>700.29</u>	
less out on Beam <u>1406.84</u>	

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	

Master Owen
Year of appointment (1) As master in service of owner of present vessel: -18
(2) As master of this vessel: -18
Built at Middlesbrough
When built 1889. 90 Launched Apr 17. 90
By whom built Raylton Dixon & Co
Owners A. Holland & Co
Managers The Buenos Ayres Great Southern Ry. Co. (Ltd)
(If desired to be entered in Reg. Book.)
Residence London
Port belonging to London
Destined Voyage River Plate
X Surveyed while Building, Afloat, or in Dry Dock.

LENGTH on deck as per Rule	275	Feet. Inches. 6	BREADTH Moulded	38	Feet. Inches. 10	DEPTH top of Floors to Upper Deck Beams	20	Feet. Inches. 1	Power of Engines	200	Horse.	No. of Decks with flat laid	1	No. of Tiers of Beams	14	Feet. Inches. 18
Dimensions of Ship per Register, length, <u>277.0</u> breadth, <u>39.0</u> depth, <u>18.2</u> Moulded depth <u>21.3</u>																

KEEL, depth and thickness	10 x 2 3/4	Inches in Ship.	Inches per Rule.				
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	24						
FRAMES, Angle Iron, for 3/4 length amidships	5 3 8	Inches. In Ship.	Inches. In Ship.	21ths per Rule	Inches. In Ship.	Inches. In Ship.	20ths per Rule
Do. for 1/2 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 Avoning Deck	6 1/2 3 9						
Single or double Ang. Iron, Plate or Tee Bulb Iron							
Single or double Angle Iron on Upper edge	24						
Average space	24						
BEAMS, Main, or Middle Deck							
Single or double Ang. Iron, Plate or Tee Bulb Iron							
Single or double Angle Iron, on Upper Edge							
Average space							
BEAMS, Lower Deck							
Single or double Ang. Iron, Plate or Tee Bulb Iron							
Single or double Angle Iron on Upper Edge							
Average space							
BEAMS, Hold, or Orlop under R&D	9 5/4 9						
Single or double Ang. Iron, Plate or Tee Bulb Iron							
Single or double Angle Iron on Upper Edge							
Average space							
KEELSONS Centre line, single or double plate, box, or intercostal, Plates	21						
" Rider Plate							
" Bulb Plate to Intercostal Keelson Plates	6 4 9						
" Angle Irons	4 4 9						
" Double Angle Iron Side Keelson							
" Side Intercostal Plate							
" do. Angle Irons							
" Attached to outside plating with angle iron	6 4 9						
BILGE Angle Irons							
" do. Bulb Iron							
" do. Intercostal plates riveted to plating for length							

Flat Keel Plates, breadth and thickness	36	16	36	16
PLATES in Garboard Strakes, br'dth & thickness	36	12	36	12
" From Garboard to upper part of Bilges		10		10
" Of d'bling at Bilge, or increased thickness, and length applied				
" From up. prt of Bilge to lr. edge of Sh'rstrake		11		11
" Main Sheerstrake, breadth and thickness	42	15	42	15
" Of d'bling at Sh'stk. & lng. applied at Bilge		11		11
" From M'n to Up. or Spar Dk. Sh'rstrake				
" Up. or Spar Dk. Sh'rstrake, br'dth & thick'ns				
Butt Straps to outside plating, breadth & thickness	19.9 3/4	19.11	19.9 3/4	19.11
Lengths of Plating	7 spaces of frames			
Shifts of Plating, and Stringers	as per rule.			
Gunwale Plate on ends of Avoning, Spar, or Upper Deck Beams, breadth and thickness	39	10	39	10
Angle Iron on ditto	4x4	9	4x4	9
Tie Plates fore and aft, outside Hatchways	4 1/2 x 4 1/2	9	4 1/2 x 4 1/2	9
Diagonal Tie Plates on Beams No. of Pairs				
Flat of Up., Spar, or Avoning Dk. <u>Steel under Bridge</u>	7 1/8		7 1/8	
How fastened to Beams	metal		metal	
Stringer Plate on ends of Main or Middle Deck Beams, breadth and thickness				
Is the Stringer Plate attached to the outside plating?				
Angle Irons on ditto, No.				
Tie Plates, outside Hatchways				
Diagonal Tie Plates on Beams, No. of pairs				
Flat of Middle Deck do. do.				
How fastened to Beams				
Stringer Plates on ends of Lower Deck, Hold or Orlop Beams	37	9	37	9
Is the Stringer Plate attached to the outside plating?				
Angle Irons on ditto, No. 2	4x4	9	4x4	9
Stringer or Tie Plates, outside Hatchways				
Flat of Lower Deck				
Ceiling betwixt Decks, thickness and material	2 1/2	Pine		
" in hold do. do.	2 1/2		2 1/2	
Main piece of Rudder, diameter at head	7 3/4		7 3/4	
" do. at heel	5 7/8		5 7/8	3 3/4
Can the Rudder be unshipped afloat?				
Bulkheads No. 4 No. per Rule 4				
" Thickness of 20 to 20				
" Height up Main and Quarter decks				
" How secured to sides of ship				
" Size of Vertical Angles Irons 5 x 3 x 8/16 and distance apart				30 ins.
" Are the outside Plates doubled two spaces of Frames in length?				Yes

The FRAMES extend in one length from bilge to top height Riveted through plates with 3/8 in. Rivets, about 6 1/4 apart.
The REVERSED ANGLE IRONS on floors and frames extend across middle line to bilges, bilges to main deck, and to hold beams & R.Dk. alternately
KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? Yes And butts properly shifted? Yes
PLATING. Garboard, double riveted to Keel, with rivets in diameter, averaging ins. from centre to centre.
" Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 3/8 in. diameter, averaging 3 1/2 ins. from centre to centre.
" Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 3/8 in. diameter averaging 3 3/8 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 3/8 in. diameter, averaging 3 1/2 ins. from cr. to cr.
" Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 3/8 in. diameter, averaging 3 3/8 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 Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? Siemens Martin
Manufacturer's name or trade mark, Consort, Bolckow & Co. Murr, West & Co. Dorman & Co.
The above is a correct description.
Builder's Signature, RAYLTON DIXON & CO. Surveyor's Signature, N. M. Williams
Surveyor to Lloyd's Register of British and Foreign Shipping.

State clearly when plating is of alternate thicknesses - as distinguished from distinguished thickness at ends of vessel. * If Iron Deck, state if whole or part, and if wood deck, is laid thereon.

