

# IRON SHIP: 26091

No. 12343 Survey held at Aberdeen Date, First Survey September 12/79 Last Survey March 3rd 1880  
 On the Howitzer "Grappler" Master not appointed

**TONNAGE** under Tonnage Deck } 734.39  
 Ditto of Third, Spar, } 53.72  
 or Lower Deck } 17.49  
 Ditto of House } 2.17  
 on Deck } 867.77  
 Ditto of Forecastle } 92.55  
 Gross Tonnage } 277.69  
 Less Crew Space } 497.53  
 Register Tonnage } 277.69  
 as cut by Beam }

**ONE, OR TWO DECKED, THREE DECKED VESSEL,**  
**SPAR, OR AWNING DECKED VESSEL.**  
**HALF BREADTH** (moulded)... 14.50 Feet.  
**DEPTH** from upper part of Keel to top of Upper Deck Beams... 17.78  
**GIRTH** of Half Midship Frame (as per Rule)... 28.47  
**1st NUMBER**... 60.95  
**1st NUMBER, if a 3-DECKED VESSEL, deduct 7 feet**  
**LENGTH**... 149  
**2nd NUMBER**... 12129  
**PROPORTIONS**—Breadths to Length... 6.8  
 Depths to Length—Upper Deck to Keel... 11.2  
 Main Deck ditto... "

Built at Aberdeen  
 When built 1879 Launched 24 Jan 1880  
 By whom built James Caird  
 Owners West India & Canada Telegraph Company  
 Port belonging to London  
 Destined Voyage South America  
 If Surveyed while Building, Afloat, & in Dry Dock.

Length in Feet	149	Breadth in Feet	14.50	Depth in Feet	17.78	Power of Engines	100	No. of Decks with flat laid	two
Inches		Inches		Inches		Horse		No. of Tiers of Beams	two

Dimensions of Ship per Register, length, 208.5 breadth, 29.3 depth, 16.2	Inches in Ship	Inches per Rule						
<b>KEEL</b> , depth and thickness	8 4 23/8	8 4 23/8	8 4 23/8	8 4 23/8	8 4 23/8	8 4 23/8	8 4 23/8	8 4 23/8
<b>STEM</b> , moulding and thickness	7 4 23/8	7 4 23/8	7 4 23/8	7 4 23/8	7 4 23/8	7 4 23/8	7 4 23/8	7 4 23/8
<b>STERN-POST</b> for Rudder do. do.	7 x 4 3/4							
" " for Propeller	7 x 4 3/4							
Distance of Frames from moulding edge to moulding edge, all fore and aft	22 ins							
<b>FRAMES</b> , Angle Iron, for 2/3 length amidships	3 1/2 x 7							
Do. for 1/3 at each end	3 1/2 x 7							
<b>REVERSED FRAMES</b> , Angle Iron	3 1/2 x 6							
<b>FLOORS</b> , depth and thickness of Floor Plate at mid line for half length amidships	17 1/2	8.9	17 1/2	8.9	17 1/2	8.9	17 1/2	8.9
thickness at the ends of vessel	7	7	7	7	7	7	7	7
depth at 3/4 the half-bdth. as per Rule	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4
height extended at the Bilges	35	35	35	35	35	35	35	35
<b>BEAMS</b> , Upper, Spar or Awning Deck	5 1/2 x 6							
Single or double Angle Iron, Plate or Tee Bulb Iron	5 1/2 x 6							
Single or double Angle Iron on Upper edge	5 1/2 x 6							
Average space	29	29	29	29	29	29	29	29
<b>BEAMS</b> , Main, or Middle Deck	5 1/2 x 6							
Single or double Angle Iron, Plate or Tee Bulb Iron	5 1/2 x 6							
Single, or double Angle Iron, on Upper Edge	5 1/2 x 6							
Average space	29	29	29	29	29	29	29	29
<b>BEAMS</b> , Lower Deck, Hold or Orlop	5 1/2 x 6							
Single or double Angle Iron, Plate or Tee Bulb Iron	5 1/2 x 6							
Single or double Angle Iron on Upper Edge	5 1/2 x 6							
Average space	29	29	29	29	29	29	29	29
<b>KEELSONS</b> Centre line, single or double plate, box, or Intercostal, Plates	13 1/2 x 10							
" Rider Plate	10 x 10							
" Bulb Plate to Intercostal Keelson	4 1/2 x 3 1/2							
" Angle Irons	4 1/2 x 3 1/2							
" Double Angle Iron Side Keelson	4 1/2 x 3 1/2							
" Side Intercostal Plate	4 1/2 x 3 1/2							
" do. Angle Irons	4 1/2 x 3 1/2							
" Attached to outside plating with angle iron	4 1/2 x 3 1/2							
<b>BILGE</b> Angle Irons	4 1/2 x 3 1/2							
" do. Bulb Iron	4 1/2 x 3 1/2							
" do. Intercostal plates riveted to plating for length	4 1/2 x 3 1/2							
<b>BILGE STRINGER</b> Angle Irons	4 1/2 x 3 1/2							
Intercostal plates riveted to plating for length	4 1/2 x 3 1/2							
<b>MIDDLE STRINGER</b> Angle Irons	4 1/2 x 3 1/2							
Ransoms, material. Knight heads. Hawse Timbers.	Iron							
Windlass	Harfield's patt.							
Pall Bitt	Iron							

Flat Keel Plates, breadth and thickness ...  
**PLATES** in Garboard Strakes, breadth and thickness from Garboard to upper part of Bilges of doubling at Bilge, or increased thickness, and length applied alternately  
 " fin up part of Bilge to Ir. edge of Sh'rstrake. alternately  
 " Main Sheerstrake, breadth and thickness of d'bling at Sh'rstrake, & length applied from Mn. to Upr. or Spar Dk. Sh'rstrake. about 15 feet at mark of deck  
 " Up. or Spar Dk Sh'rstrake, brdth & thickns  
 Butt Straps to outside plating, breadth & thickness 7 1/2 x 12 9/16  
 Lengths of Plating ... 5. Spaces of frames  
 Shifts of Plating, and Stringers... 2. Spaces of frames  
 Gunwale Plate on ends of Upper Deck  
 Upper Deck Beams, breadth and thickness... 28 1/2 x 8 28 1/2 x 8  
 Angle Iron on ditto ... 4 1/2 x 3 1/2 x 7/16  
 Tie Plates fore and aft, outside Hatchways Iron deck  
 Diagonal Tie Plates on Beams No. of Pairs 11  
 Planksheer material and scantling gutter gunwale  
 Waterways do. do. do.  
 Flat of Upper Deck do. 5/16 in. x 2 1/2  
 How fastened to Beams Galvanized screw bolts & nuts  
 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  
 Waterways materials and scantlings  
 Flat of Middle Deck do. do.  
 How fastened to Beams  
 Stringer Plates on ends of Lower Deck, Hold or Orlop Beams 27 x 7 27 x 7  
 Is the Stringer Plate attached to the outside plating? Yes  
 Angle Irons on ditto, No. 2  
 Stringer or Tie Plates, outside Hatchways Iron deck  
 Flat of Lower Deck 5/16 in. x 2 1/2  
 Ceiling betwix Decks, thickness and material 2 1/2 Baltic fir  
 Main piece of Rudder, diameter at head 5  
 do. at heel 3  
 Can the Rudder be unshipped afloat? Yes  
 Bulkheads No. 4 Thickness of 5/16  
 " Height up Upper deck, after one as per rule  
 " How secured to sides of ship between double frames  
 " Size of Vertical Angle Irons 3 x 2 1/2 x 3/16 and distance apart 30 ins.  
 " Are the outside Plates doubled two spaces of Frames in length? Yes

The **FRAMES** extend in one length from Keel to Gunwale Riveted through plates with 3/4 in. Rivets, about 6 apart.  
 The **REVERSED ANGLE IRONS** on floors and frames extend near middle line to Hold stringer A.T. and to gunwale 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 1/2 in. diameter, averaging 5 ins. from centre to centre.  
 " Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 3/4 in. diameter, averaging 3 1/2 ins. from centre to centre.  
 " Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 3/4 in. diameter averaging 3 1/4 ins. from centre to centre.  
 " Butts of 2 Strakes at Bilge for 1/2 length, treble riveted with Butt Straps 1/6 thicker than the plates they connect.  
 " Edges from bilge to Main Sheerstrake, worked clencher, double single riveted; with rivets 3/4 in. diameter, averaging 3 1/2 ins. from cr. to cr.  
 " Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 3/4 in. diameter, averaging 3 1/4 ins. from cr. to cr.  
 " Edges of Main Sheerstrake, double & 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 4 1/2 Breadth of laps of plating in single riveting Oril  
 Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? double & treble throughout  
 Waterway, how secured to Beams Gutter gunwale (Explain by Sketch, if necessary.)  
 Beams of the various Decks, how secured to the sides? Riveted to frames and No. of Breasthooks, 3 Crutches, 2 & 1 thwart  
 What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? Angles by Hornum, Long & Co.  
 Manufacturer's name or trade mark, S. P. & Co. Plates by Connell iron Co.  
 The above is a correct description.  
 Builder's Signature, James Caird Surveyor's Signature, James Caird  
 Surveyor to Lloyd's Register of British and Foreign Shipping.

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