

IRON SHIP.

133. Survey held at Dundee Date, First Survey April 3rd 1877 Last Survey Feb'y 13th 1877

66 Southesk 77 Master Charles Grey

under Deck } 1077.56
 Poop, or } 77.57
 Houses } 16.61
 Forecastle } 37.78
 Tonnage } 1209.53
 Row Space } 55.40
 Engine Room }
 Tonnage } 1154.12
 on Beam }

ONE, OR TWO DECKED, THREE DECKED VESSEL.
 SPAR, OR AWNING-DECKED VESSEL.
 HALF BREADTH (moulded) 17-4 1/2
 DEPTH from upper part of Keel to top of Upper Deck Beams 23.9
 GIRTH of Half Midship Frame (as per Rule) .. . 35-11 1/2
 1st NUMBER 7710 1/2
 1st NUMBER, if a THREE-DECKED VESSEL ✓
 LENGTH 218.6
 2nd NUMBER 16833
 PROPORTIONS—Breathths to Length 6.3
 Depths to Length—Upper Deck to Keel 9.2
 Main Deck ditto

Built at Dundee
 When built 1876-77 Launched 15th Jan'y 77
 By whom built Messrs A. Stephen & Sons
 Owners D. Bruce
 Port belonging to Dundee
 Destined Voyage Brisbane
 If Surveyed while Building, Afloat, or in Dry Dock.
While Building & Afloat

DEPTH top of Floors to Upper Deck Beams 21 9
 Do. do. Deck Beams 14 3
 Power of Engines
 Horse. ✓
 N° of Decks with flat laid Two
 N° of Tiers of Beams Two

	Inches in Ship.	Inches per Rule.						
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	36	11	36	11	36	11	36	11
fin up. part of Bilge to lr. edge of Sh'rstrake	10	10	10	10	10	10	10	10
Main Sheerstrake, breadth and thickness of d'bling at Sh'rstrake, & length applied from Main to Upper Spar Deck Sh'rstrake	40	12	40	12	40	12	40	12
Upper Spar Deck Sh'rstrake, breadth & thickness	40	13	40	13	40	13	40	13
Butt Straps to outside plating, breadth & thickness	11 1/2	16 3/4	11 1/2	16 3/4	11 1/2	16 3/4	11 1/2	16 3/4
Lengths of Plating	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Shifts of Plating, and Stringers	2 spaces	2 spaces						
Gunwale Plating on ends of Awning, Spar, or Upper Deck Beams, breadth and thickness .. .								
Angle Iron on ditto								
Tie Plates fore and aft, outside Hatchways								
Diagonal Tie Plates on Beams No. of Pairs,								
Planksheer material and scantling								
Waterways do. do.								
Flat of Upper Deck do. do.								
How fastened to Beams								
Stringer Plate on ends of Main or Middle Deck } Beams, breadth and thickness	42	10	42	10	42	10	42	10
Is the Stringer Plate attached to the outside plating?	Yes		Yes		Yes		Yes	
Angle Irons on ditto, No. 2 1 1/2 x 3 x 7/16 .. .	5 x 4 x 9/16							
Tie Plates, outside Hatchways	12	10	12	10	12	10	12	10
Diagonal Tie Plates on Beams, No. of pairs .. .	12	10	12	10	12	10	12	10
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	31	9	31	9	31	9	31	9
Is the Stringer Plate attached to the outside plating?	Yes		Yes		Yes		Yes	
Angle Irons on ditto, No. 3 1 1/2 x 2 1/2 x 3/8 .. .	4 x 4	9	4 x 4	9	4 x 4	9	4 x 4	9
Stringer or Tie Plates, outside Hatchways .. .	12	10	12	10	12	10	12	10
Flat of Lower Deck	3	3	3	3	3	3	3	3
Ceiling betwixt Decks, thickness and material .. .	pine	2 1/2						
in hold do. do.								
Main piece of Rudder, diameter at head	6"	3"	6"	3"	6"	3"	6"	3"
do. at heel								
Can the Rudder be unshipped afloat?	No.		No.		No.		No.	
Bulkheads No. 1 Thickness of	7-16	6	7-16	6	7-16	6	7-16	6
Height up	Main Deck		Main Deck		Main Deck		Main Deck	
How secured to sides of ship	double frames		double frames		double frames		double frames	
Size of Vertical Angle Irons	5-3-9/16		5-3-9/16		5-3-9/16		5-3-9/16	
and distance apart	30 ins.		30 ins.		30 ins.		30 ins.	
Are the outside Plates doubled two spaces of Frames in length?	Yes		Yes		Yes		Yes	

Transoms, material. Knight-heads. Hawse Timbers. Plates & Angles
 Windlass Iron Emerson and Walker's Patent

The FRAMES extend in one length from Keel to Forecastle Riveted through plates with 4.8 in. Rivets, about 7 apart.
 The REVERSED ANGLE IRONS on floors and frames extend from the middle line to upper deck stringer and to alternately
 KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? well connected And butts properly shifted? properly shifted

PLATING. Garboard, double riveted to Keel, with rivets 1 1/8 in. diameter, averaging 5 1/2 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 4 ins. from centre to centre.
 Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 4.8 in. diameter averaging 4 ins. from centre to centre.
 Butts of three Strakes at Bilge for 1/2 length, treble riveted with Butt Straps 1/16 thicker than the plates they connect.
 Edges from bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets 4.8 in. diameter, averaging 4 ins. from cr. to cr.
 Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 4.8 in. diameter, averaging 4 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 1/2 length.
 Breadth of laps of plating in double riveting 3 1/2 diam. Breadth of laps of plating in single riveting 3 1/2 diam.

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? treble & double
 Waterway, how secured to Beams Gutter (Explain by Sketch, if necessary.) ribs and stringers
 Beams of the various Decks, how secured to the sides? welded bracket ends riveted to No. of Breasthooks, 6 Crutches, 6
 What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? Good
 Manufacturer's name or trade mark, Angles and bulbs Messrs Iron Co; Plates Consett Iron Co;

The above is a correct description.
 Builder's Signature, Alb. Stephen & Sons Dundee Surveyor's Signature, J. H. Simms
 Surveyor to Lloyd's Register of British and Foreign Shipping.

IRON 470-0359

