

## Sailing Vessel. IRON OR STEEL SAILING SHIP.

(Received at London Office)

Date of completion of Report 7<sup>th</sup> March 1892 Port of Belfast  
No. 4058 Survey held at Belfast Date of First Survey 18<sup>th</sup> Sep 1892 Last Survey 4<sup>th</sup> March 1892  
On the Steel Barque "Dowth" Rig Four Masted Barque  
TONNAGE under Tonnage Deck 2116.77 ONE OR TWO DECKED VESSEL.  
Do. of Poop 78.32 CLASS \* 100 A1 Master R. F. Martin  
Do of raised Or. Dk. or Break 49.29 Built at Belfast  
Do. of Bridge House 49.29 When built 1892 Launched 23 Dec 1891  
Do. of Houses on Deck 49.29 By whom built Workman Clark & Co Ltd  
Do. of excess of Hatchways 49.29 Owners R Martin & Co Dublin  
No of Forecastle 49.29 Managers do.  
Gross Tonnage 2244.38 Length 268.33 (Where necessary to be entered in Reg. Book.)  
Less Crew Space 46.03 2nd Number 24112 Residence Dublin  
TONNAGE FOR FEES.. 2198.35 Proportions—Breadths to Length 6.44 Port belonging to Dublin  
Less Navigation spaces 32.25 Depths to Length—Upper Deck to top of Keel 9.98 If Surveyed while Building, Afloat, or in Dry Dock Building  
Register Tonnage 2166.10 Destined Voyage San Francisco

LENGTH on deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH—	Feet.	Inches.	No. of Decks with Flat laid
as per rule	268	4	Moulded	41	7 1/2	Top of Floors to Upper Deck Beams	24	8 1/2	one

Dimensions of Ship per Register, Length 284.4 breadth 41.9 depth 24.5. Moulded depth, ft. 26 in. 0. Round up of Beam 10 1/2 ins.

## FORGINGS AND CASTINGS.

	Inches in Ship.	Inches per Rule.
KEEL, Bar or Side Plates, depth and thickness	10 x 2 5/8	10 x 2 5/8
STEM, moulding and thickness	10 x 2 5/8	10 x 2 5/8
STERN-POST, do. do.	10 x 2 5/8	10 x 2 5/8
MAIN-PIECE of RUDDER, diameter at head..	7 1/4	7 1/2
" " " at heel ..	3 1/4	3 1/4
RUDDER, how constructed <u>Cast Steel</u>		
Can the Rudder be unshipped afloat?	Yes	Yes

## FRAMING.

	Inches in Ship.	Inches per Rule.
FRAME, Angles, <u>1</u> Bars, for <u>3</u> length amids..	5 1/2 x 3 1/2	5 1/2 x 3 1/2
Do. for <u>1</u> at each end	5 1/2 x 3 1/2	5 1/2 x 3 1/2
Do. in way of Double Bottoms	5 1/2 x 3 1/2	5 1/2 x 3 1/2
Distance of Frames from moulding edge to moulding edge, all fore and aft	24	24
REVERSED FRAME, Angles	4 x 3 1/2	4 x 3 1/2
FLOORS, depth and thickness of Floor Plate at mid line for <u>3</u> length amids..	27 x 10	26 x 10
" thickness at the ends of vessel	8	8
" depth at <u>3</u> the half breadth, as per Rule	13	13
" height extended at the Bilges	52	52
FLOORS & BRACKETS, in Cell Dble Bottoms		
" " distance apart		
CENTRE GIRDER, in Dbl. Btm., dpth & thcknss		
" " Angles, Top		
SIDE GIRDERS, number and thickness		
" " Angles		
MARGIN PLATE, depth (exclusive of flange) and thickness		
" " Angles		
INNER BOTTOM PLATING, br'dth & thckn's of Middle Line Strake		
" " Remainder		
BEAMS, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	10 x 6 x 10	10 x 10
" Angles on Upper Edge		3 1/2 x 3 1/2
" Average space	48	48
BEAMS, Lower Deck, Plate or Tee Bulb	10 x 6 x 11	10 x 11
" Angles on Upper Edge		
" Average space	48	48
BEAMS, Hold, Plate or Tee Bulb		
" Angles on Upper Edge		
" Average space		
BEAMS, Poop or Bridge Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	6 1/2 x 3 x 9	6 1/2 x 3 x 9
" Angles on Upper Edge		
" Average space	48	48
BEAMS, Forecastle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8 x 3 x 10	8 x 3 x 10
" Angles on Upper Edge		
" Average space	48	48
PILLARS, In 'tween Decks, at Centre line. Size	2 3/4	2 3/4
" " " Spacing	48	48
" " " Quarter.....Size		
" " " Spacing		
In Holds, at Centre line.....Size	4	4
" " " Spacing	48	48
" " " Quarter.....Size		
" " " Spacing		
FRAMES, Breadth and thickness		
" " Number and Spacing		
Number of Side Stringers, breadth and thickness		
Size of Angles or Tee Bars to Web-Frames		

## KEELSONS AND STRINGERS.

	Inches in Ship.	Inches per Rule.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	20 x 14	20 x 14
" Rider Plate	13 1/4 x 14	13 1/4 x 14
" Bulb Plate to Intercoastal Keelson		
" Horizontal Plates above floors		
" Angles	6 1/2 x 4	6 1/2 x 4
SIDE KEELSON, Angles	6 1/2 x 4	6 1/2 x 4
" Bulb Plate for length		
" Intercoastal Plate for as far as practicable		
" Attached to outside Plating with Angle	3 1/2 x 3 1/2	3 1/2 x 3 1/2
BILGE KEELSON, Angle	6 1/2 x 4	6 1/2 x 4
" Bulb Plate for length		
" Intercoastal Plates for len.		
" Attached to outside Plating with Angle		
BILGE STRINGER, Angles	8 x 3	8 x 3
" Bulb Plate for length		
" Intercoastal Plates for len.		
" Attached to outside Plating with Angle	3 1/2 x 3 1/2	3 1/2 x 3 1/2
SIDE STRINGER, Angles	8 x 3	8 x 3
" Bulb Plate for length		
" Intercoastal Plate for entire len.		
" Attached to outside Plating with Angle	3 1/2 x 3 1/2	3 1/2 x 3 1/2
Main Deck Stringer Plate, on end of Beams, breadth and thickness	38 1/2 x 10	38 1/2 x 10
" Angle on ditto	4 1/2 x 4 1/2	4 1/2 x 4 1/2
" Tie Plates fore and aft, outside Hatchways	15 x 10	15 x 10
" Diagonal Tie Plates on Bms., No. of Prs.	15 x 10	15 x 10
" Flat of Deck*, material and thickness	3 1/2 x 4 x Y.P.	3 1/2 x 4 x Y.P.
" " Iron or Steel for <u>1/2</u> length	3/4 inch	3/4 inch
" How fastened to Beams		
Lower Deck Stringer Plate, on ends of Beams, breadth and thickness	40 x 9	40 x 9
Is the Stringer Plate attached to the Outside Plating?	Yes	Yes
" Angles on ditto, No. <u>2</u>	4 x 4	4 x 4
" Tie Plates, outside Hatchways	4 x 4	4 x 4
" Diagonal Tie Plates on Bms., No. of prs.		
" Flat of Deck, material and thickness	2 1/2 x 4 x ditto	2 1/2 x 4 x ditto
" How fastened to Beams	9 x 2 bolts	9 x 2 bolts
Hold Stringer Plate, on end of Beams		
Is the Stringer Plate attached to the Outside Plating?		
" Angles on ditto, No.		
" Tie Plate outside Hatchways		
" Flat of Deck, material and thickness		
Poop or Bridge Deck Stringer Plate, breadth and thickness	32 x 6	32 x 6
" " Angle	3 x 3 x 7	3 x 3 x 7
" Tie Plates on Beams	13 x 7	13 x 7
" Flat of Deck, material and thickness	3 Y.P.	3 Y.P.
Forecastle Deck Stringer Plate, b'dth & thkns	33 x 7	33 x 7
" " Angle	3 x 3 x 7	3 x 3 x 7
" Tie Plates on Beams	13 x 7	13 x 7
" Flat of Deck, material and thickness	3" P.P.	3"
PLATING.		
FLAT PLATE KEEL, breadth and thickness		
PLATES in Garboard Strakes, br'dth & thckn's	36 x 12 x 11	36 x 12 x 11
" from Garboard to lower part of Bilges	36 x 12 x 11	36 x 12 x 11
" Bilges, number of Strakes, and thickness	12 x 10	12 x 10
" Of doubling at Bilge, or increased thickness, and length applied	13 x 11	13 x 11
" from up. part of Bilge to Ir. edge of Sh'rstrake	11 x 9	11 x 9
" Strake in way of Lower Deck Beams	11 x 9	11 x 9
" Sheerstrake, breadth and thickness	42 x 13 x 10	42 x 13 x 10
" Poop or Bridge Sides		
" Forecastle Sides		
Lengths of Plating	9 ft	6 ft



Order for Special Survey No. 326 Date 24 July 1891 Order for Ordinary Survey No. 89 in builder's yard. State dates and initials of letters respecting this case M 12 Dec 1891, M 7 Dec 1891. General Remarks (State quality of workmanship, &c.) This vessel has been built under special survey in accordance with the rules of the Society. The quality of the workmanship is good throughout. This vessel is a sister ship to the Dundonald built in 1883.

MASTS AND SPARS. Table with columns: Material, Total length, At Partners, Heel, Hounds, Head, Number of Plates in Round, Angles, Riveting, Butts. Includes Lower Masts, Bowsprit, Topmasts, Yards, Fore Topmast Yards, Main Yards, Lower Yards, Jigger Yards.

EQUIPMENT NO. 2579 LETTER W. ANCHORS. Table with columns: Number of Certificate, Weight, Test, Description of Anchor, Makers, Where and when tested and Superintendent. Includes 1st Bower, 2nd, 3rd, 4th, Stream, Kedg, 2nd Kedg.

CHAIN CABLES. Table with columns: Number of Certificate, Fathoms, Size, Test per Certificate, Weight of Chain Cable, Fathoms & Size, Description, Makers of Cables, Where and when tested, and Superintendent, Material, Fathoms, Size, Fathoms & Size, Per Rule. Includes 5518, 5526, 5527, 5528.

Order for Special Survey No. 326 Date 24 July 1891 Order for Ordinary Survey No. 89 in builder's yard. State dates and initials of letters respecting this case M 12 Dec 1891, M 7 Dec 1891. General Remarks (State quality of workmanship, &c.) This vessel has been built under special survey in accordance with the rules of the Society. The quality of the workmanship is good throughout. This vessel is a sister ship to the Dundonald built in 1883.