

IRON SHIPS.

Recd 8/12/64

Date 16th November

1864

"Douro" Master -

Built at Belcast When built 1864 Launched 5th November

By whom built Harland & Wolff Owners John Ribby Sons & Co

Port belonging to Liverpool Destined Voyage _____

While Building, Afloat, or in Dry Dock While Building

Feet.	Inches.	Feet.	Inches.	Feet.	Inches.	Horse.	N ^o . of Decks
195	8	27	1	15	9	—	Two
Extreme Breadth		Depth from top of Upper Deck Beam to top of Floor		Power of Engines		N ^o . of Decks	

Length of Ship per Register, length 195-8 breadth 27-1 depth 15-6

	Inches in Ship.		Inches required per Rule.		Plates in Garboard Strakes, breadth and thickness	Inches in Ship.	16ths in Ship.	Inches required per Rule.	16ths required per Rule.
	Inches.	Inches.	Inches.	Inches.					
Plate iron, depth and thickness	7	2 1/2	7	2 1/2	} 30	10 7/16	30	10 7/16	
Plate iron, breadth and thickness	7	2 1/2	7	2 1/2					
Bar iron, moulding and thickness	7	2 1/2	7	2 1/2	} 9 7/16	9 7/16	9 7/16	9 7/16	
Plate iron, breadth and thickness	7	2 1/2	7	2 1/2					
Cast, N ^o bar iron, moulding and thickness	7	5	7	5	} 8 7/16	8 7/16	8 7/16	8 7/16	
Plate iron, breadth and thickness	7	5	7	5					
Plate iron, breadth and thickness	21		21		} 4 7/16	4 7/16	30	9 7/16	
Plate iron, breadth and thickness	21		21						
Size of Angle Iron, single or double	3 1/2	3	3 3/4	2 3/4	} 8 1/2	8 1/2	2 3/4	8 7/16	
Reversed Iron, N ^o to every frame or every	3	2 1/2	3	2 1/2					
Depth and thickness of Floor Plate at mid line	17	8 1/16	17	8 7/16	} 4 7/16	4 7/16	4 7/16	4 7/16	
Ditto ditto at Bilge Keelson	h	8 7/16	4						
Size of Reversed Angle Iron, and No. 2 at top of Floor Plate	3	2 1/2	3	2 1/2	} 4 7/16	4 7/16	4 7/16	4 7/16	
Angle Iron, N ^o . double Angle Iron, Plate, Tee, or Bulb Iron	h	4 7/16	h 3/4	h 7/16					
Angle Iron, N ^o . double or single Angle Iron, on Upper edge	2 1/2	2 1/2	2 5/8	2 5/8	} 5 7/16	5 7/16	5 7/16	5 7/16	
Average space between	4 1/2		4 1/2						
Hold, or Lower Deck (N ^o . double Angle, Tee, Plate, or Bulb Iron)	h	7 7/16	h 3/4	h 7/16	} 20 1/2	8 7/16	21	8 7/16	
Angle Iron, N ^o . double or single Angle Iron, on Upper edge	2 1/2	2 1/2	2 5/8	2 5/8					
Average space between	4 1/2	h 2 1/2	4 1/2	h 2 1/2	} 4 7/16	4 7/16	4 7/16	4 7/16	
Paddle, sided and moulded, thickness of Plate size of Angle Iron	h		h						
Engine					} 4 7/16	4 7/16	4 7/16	4 7/16	
Keelson, single or double plate, box, or intercostal	1 1/2	10 7/16	1 1/2	10 7/16					
Size of Plates	4 1/2	3	4 1/2	3	} 4 7/16	4 7/16	4 7/16	4 7/16	
Size of Angle Irons	4 1/2	3	4 1/2	3					
Side, single or double, plate, box, or intercostal					} 4 7/16	4 7/16	4 7/16	4 7/16	
Bilge (No. one) at each Bilge, single, or double, plate, or box									

Keelsons, material Iron or, if none, in what manner compensated for.

Keelsons and Hawse Timbers Iron

Keelsons extend in one length from Keel to Gunwales

Keelsons on the floors extend in one length across the middle line from 2 1/2 to 3 feet on to each side alternately

Keelsons on the frames " " " " from 8 to 8

How are the various lengths of plates or angle irons connected? With butt straps and double rivetted

Garboard, double or rivetted to keel, double or at upper edge, with rivets (1/2 x 3/4 ins.) diameter, averaging (3/2 in.) apart.

Edges from Garboards to upper part of bilge, worked clencher, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 3/4 ins.) apart.

Butts from Keel to turn of bilge, worked carvel with butt straps (10 x 9) thick, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 1/2 ins.) apart.

Edges from bilge to sheerstrake, worked carvel with a lining piece () thick, or clencher, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 1/2 in.) apart.

Edges of Sheerstrake, double or single rivetted? At upper edge Double At lower edge Single

Butts from bilge to planksheers, worked carvel with butt straps (8 x 7) thick, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 1/2 ins.) apart. Breadth of laps in double rivetting (4 1/2) Breadth of laps in single rivetting (2 3/4)

Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted?

Planksheer, how secured to the plating of the sides Explain by sketch

Waterway " " planksheer and to the Beams if necessary.

Deck Beams, how secured to the side? Keel plates welded and rivetted to frames

Hold or Lower Deck ditto The same as above

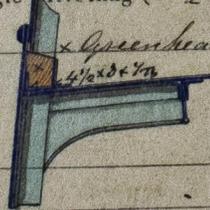
Paddle " " No. of breasthooks Three crutches one

What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c. Angle Iron by Messrs Scotland

Manufacturer's name or trade mark Plates by Chillingham & Co Staffordshire

We certify that the above is a correct description of the several particulars therein given.

Builder's Signature Harland & Wolff Surveyor's Signature John Sinton



IRON 438-0042

