

3 Decks.

IRON OR STEEL STEAMER.

No. 4770

Date of completion of report *October 2nd 1897* Port of *Belfast* Received at London Office *MON 11 OCT 1897*
Survey held at *Belfast* Date, First Survey *Sept 30th 1896* Last Survey *October 4th 1897*
On the *Steel Twin Screw Steamer "Derbyshire"* Rig *4 masts*

TONNAGE under Tonnage Deck... *4124.90* THREE DECKED VESSEL.
Do. between Tonnage Dk. *1492.76* CLASS *100 A*
and 3rd and 4th Dk. *5617.74*
Total under Upper Dk. *170.30*

Do. of Poop *170.30* Half Breadth (moulded) *26.*
Do. of Bridge House *48.44* Depth from upper part of Keel to top of Upper Deck Beams *34.87*
Do. of Forecastle *137.66* Girth of Half Midship Frame (as per Rule) *116.70*
Do. of Houses on Dk. *12.20* deduct 7 feet *109.70*
Do. of excess of Hatchways *6635.52* 1st Number *450.16*
Do. above Crown of Engine Room *238.70* Length *49382.5*
Gross Tonnage *6396.74* 2nd Number *0.6*
Less Crew Space *2123.34* Proportions—Breadth to Length *12.9*
Less above Crown of Engine Room *36.54* Depth to Length—Upper Deck to top of Keel *16.5*
Tonnage for Fees *4236.83* Main Deck ditto *16.5*
Less Engine Room *12.63* Destined Voyage *Rangoon*
Less Navigation Spaces *12.63* If Surveyed while Building, Afloat, or in Dry Dock *While Building*
Register Tonnage *4236.83* as cut on Beam

Length on Deck *450* Breadth *2* Depth top of Floor to Upper Deck Beams *30* Power of Horse *795* No. of Decks with flat laid *Three*
as per Rule *450* Moulded *2* Do. do. Main Deck Beams *22* Engines *795* No. of Tiers of Beams *Three*
Dimensions of Ship per Register, Length *452* breadth *52.2* depth *30.5* Moulded depth, ft. *34* ins. *1 1/4* To Upper Dk. Round up of Beam, Upper Dk. *9 1/4* ins.

FRAMING.				FORGINGS or CASTINGS.			
NAME, Angle, or Bars for 1/2 length	Inches in Ship	Inches in Ship	Inches in Ship	KEEL, Bar or Side Plates, depth and thickness	Inches in Ship	Inches in Ship	Inches in Ship
amidships	7 3/4	10 9/16	12 1/2	STEM, moulding and thickness	12 1/2	12 1/2	12 1/2
Do. for 1/2 at each end	7 3/4	10 9/16	12 1/2	STERN-POST for Rudder do. do.	12 1/2	12 1/2	12 1/2
Do. in way of Double Bottoms at Solid Floors	7 3/4	10 9/16	12 1/2	for Propeller	12 1/2	12 1/2	12 1/2
" " at intermdt. Bkts.	7 3/4	10 9/16	12 1/2	MAIN PIECE of Rudder, diameter at head	11	11	11
Distance of Frames from moulding edge to moulding edge, all fore and aft	30	30	30	" " do. at heel	8 3/4	8 3/4	8 3/4
VERSED FRAME, Angles	3 1/2	3 1/2	10	RUDDER, how constructed	Equal to	Equal to	Equal to
EP FRAMING, depth of girder	3 1/2	3 1/2	10	Can the Rudder be unshipped afloat?	Yes	Yes	Yes
DOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	3 1/2	3 1/2	10	KEELSONS & STRINGERS.			
" in way of Engines and Boilers	3 1/2	3 1/2	10	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	Inches in Ship	Inches in Ship	Inches in Ship
thickness at the ends of vessel	3 1/2	3 1/2	10	" Rider Plate	Inches in Ship	Inches in Ship	Inches in Ship
depth at 1/2 the half breadth, as per Rule	3 1/2	3 1/2	10	" Bulb Plate to Intercoastal Keelson	Inches in Ship	Inches in Ship	Inches in Ship
height extended at the Bilges	3 1/2	3 1/2	10	" Horizontal Plates on Floors	Inches in Ship	Inches in Ship	Inches in Ship
DOORS & BRACKETS in Cell Dble Bottoms	3 1/2	3 1/2	10	" Angles	Inches in Ship	Inches in Ship	Inches in Ship
" Distance apart	3 1/2	3 1/2	10	SIDE KEELSON, Angles	Inches in Ship	Inches in Ship	Inches in Ship
CENTRE GIRDER, in Double bottom, depth and thickness	3 1/2	3 1/2	10	" Bulb or Plate above floors, for	Inches in Ship	Inches in Ship	Inches in Ship
" Angles, Top	3 1/2	3 1/2	10	" Intercoastal Plate, for	Inches in Ship	Inches in Ship	Inches in Ship
" " Bottom	3 1/2	3 1/2	10	" Attached to outside Plating with Angle	Inches in Ship	Inches in Ship	Inches in Ship
DE GIRDERS, number and thickness	3 1/2	3 1/2	10	BILGE KEELSON, Angles	Inches in Ship	Inches in Ship	Inches in Ship
" Angles	3 1/2	3 1/2	10	" Bulb or Plate above floors, for	Inches in Ship	Inches in Ship	Inches in Ship
MARGIN PLATE, depth (exclusive of flange) and thickness	3 1/2	3 1/2	10	" Intercoastal Plate for	Inches in Ship	Inches in Ship	Inches in Ship
" Angles	3 1/2	3 1/2	10	" Attached to outside Plating with Angle	Inches in Ship	Inches in Ship	Inches in Ship
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	3 1/2	3 1/2	10	BILGE STRINGER Angles	Inches in Ship	Inches in Ship	Inches in Ship
" " in Engine and Boiler space	3 1/2	3 1/2	10	" Bulb Plate for	Inches in Ship	Inches in Ship	Inches in Ship
" " Remainder in Holds	3 1/2	3 1/2	10	" Intercoastal Plate for	Inches in Ship	Inches in Ship	Inches in Ship
AMS, Upper Deck, Angle, Plate or Tee Bulb	3 1/2	3 1/2	10	" Attached to outside plating with Angle	Inches in Ship	Inches in Ship	Inches in Ship
" Angles on upper edge	3 1/2	3 1/2	10	Upper Deck Stringer Plates, br'dth & thickness	Inches in Ship	Inches in Ship	Inches in Ship
" Average space	3 1/2	3 1/2	10	" Angle on ditto	Inches in Ship	Inches in Ship	Inches in Ship
AMS, Middle Deck, Angle, Plate or Tee Bulb	3 1/2	3 1/2	10	" Tie Plates fore and aft, outside Hatchways	Inches in Ship	Inches in Ship	Inches in Ship
" Angles on upper edge	3 1/2	3 1/2	10	" Deck, Iron or Steel, for	Inches in Ship	Inches in Ship	Inches in Ship
" Average space	3 1/2	3 1/2	10	" Wood Deck, Material & thickness	Inches in Ship	Inches in Ship	Inches in Ship
AMS, Lower Deck, Angle, Plate or Tee Bulb	3 1/2	3 1/2	10	Middle Deck Stringer Plate, br'dth & thickness	Inches in Ship	Inches in Ship	Inches in Ship
" Angles on upper edge	3 1/2	3 1/2	10	" Angles on ditto, No. 2	Inches in Ship	Inches in Ship	Inches in Ship
" Average space	3 1/2	3 1/2	10	" Tie Plates outside Hatchways	Inches in Ship	Inches in Ship	Inches in Ship
AMS, Hold, or Orlop, Plate or Tee Bulb	3 1/2	3 1/2	10	" Diagonal Tie Plates on Bms. No. of prs.	Inches in Ship	Inches in Ship	Inches in Ship
" Angles on upper edge	3 1/2	3 1/2	10	" Deck, Iron or Steel, for	Inches in Ship	Inches in Ship	Inches in Ship
" Average space	3 1/2	3 1/2	10	" Wood Deck, Material & thickness	Inches in Ship	Inches in Ship	Inches in Ship
AMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	3 1/2	3 1/2	10	Lower Deck Stringer Plate, br'dth & thickness	Inches in Ship	Inches in Ship	Inches in Ship
" Angles on upper edge	3 1/2	3 1/2	10	" Angles on ditto, No. 2	Inches in Ship	Inches in Ship	Inches in Ship
" Average space	3 1/2	3 1/2	10	" Tie Plates, outside Hatchways	Inches in Ship	Inches in Ship	Inches in Ship
AMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	3 1/2	3 1/2	10	" Deck, Material and thickness	Inches in Ship	Inches in Ship	Inches in Ship
" Angles on upper edge	3 1/2	3 1/2	10	Hold, or Orlop Stringer Plate, br'dth & thickness	Inches in Ship	Inches in Ship	Inches in Ship
" Average space	3 1/2	3 1/2	10	" Angles on ditto, No. 2	Inches in Ship	Inches in Ship	Inches in Ship
AMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	3 1/2	3 1/2	10	" Tie Plates outside Hatchways	Inches in Ship	Inches in Ship	Inches in Ship
" Angles on upper edge	3 1/2	3 1/2	10	" Deck, Material and thickness	Inches in Ship	Inches in Ship	Inches in Ship
" Average space	3 1/2	3 1/2	10	Poop Deck Stringer Plate, breadth & thickness	Inches in Ship	Inches in Ship	Inches in Ship
ALLIARS, In 'tween Deck, size and spacing	3 1/2	3 1/2	10	" Angle on ditto	Inches in Ship	Inches in Ship	Inches in Ship
" Hold	3 1/2	3 1/2	10	" Tie Plates	Inches in Ship	Inches in Ship	Inches in Ship
" Quarter 'tween Dks.	3 1/2	3 1/2	10	" Deck, Material and thickness	Inches in Ship	Inches in Ship	Inches in Ship
" in Hold	3 1/2	3 1/2	10	Bridge Deck Stringer Plate, br'dth & thickness	Inches in Ship	Inches in Ship	Inches in Ship
WEB-FRAMES, In Fore Body, No. and spacing	3 1/2	3 1/2	10	" Angle on ditto	Inches in Ship	Inches in Ship	Inches in Ship
" br'dth. & thickness	3 1/2	3 1/2	10	" Tie Plates	Inches in Ship	Inches in Ship	Inches in Ship
" No. of Side Stringers	3 1/2	3 1/2	10	" Deck, Material and thickness	Inches in Ship	Inches in Ship	Inches in Ship
WEB-FRAMES, In E. & B. Space, No. & spacing	3 1/2	3 1/2	10	Forecastle Deck Stringer Plate, br'dth & thickness	Inches in Ship	Inches in Ship	Inches in Ship
" br'dth. & thickness	3 1/2	3 1/2	10	" Angle on ditto	Inches in Ship	Inches in Ship	Inches in Ship
" No. of Side Stringers	3 1/2	3 1/2	10	" Tie Plates	Inches in Ship	Inches in Ship	Inches in Ship
WEB-FRAMES, In After Body, No. and spacing	3 1/2	3 1/2	10	" Deck, Material and thickness	Inches in Ship	Inches in Ship	Inches in Ship
" br'dth. & thickness	3 1/2	3 1/2	10	Are the outside Plates doubled two spaces of Frames in length?	Inches in Ship	Inches in Ship	Inches in Ship
" No. of Side Stringers	3 1/2	3 1/2	10		Inches in Ship	Inches in Ship	Inches in Ship
BRACKET PLATES to Stringers between Web Frames, depth and thickness	3 1/2	3 1/2	10		Inches in Ship	Inches in Ship	Inches in Ship

