

Dk.  
1st Dk., R.Q.Dk.,  
and Pt. Awdg. Dk.

# IRON OR STEEL STEAMER.

No. 2869.

State of Report is also sent on the Machinery of the Vessel, on part only.  
Date of completion of Report 29<sup>th</sup> July  
Date, First Survey 15 Feb/09.

Received at London Office 5 AUG 1909

Port of Dublin  
Last Survey 24<sup>th</sup> July 1909  
Rig Fore and Aft Schooner.

Survey held at Dublin  
On the S.S. BALNIEL II

TONNAGE under  
Tonnage Deck... 418.06  
Do. of Poop 88.08  
Do. of Raised Qr. 11.75  
Do. of Bridge House 20.09  
Do. of Forecastle 37.45  
Do. of Access of Hatchways 32.86  
Do. above Crown of Engine Room 625.29  
Gross Tonnage 37.47  
Less Crew Space 32.86  
Less above Crown of Engine Room 558.  
TONNAGE FOR FEES 294.53  
Less Engine Room 37.47  
Less Navigation Spaces 43.37  
under Section 79.  
Register Tonnage 252.92  
as cut on Beam ..

ONE OR TWO DECKED VESSEL.

CLASS 100.A.I.

Half Breadth (moulded) 13.87.  
Depth from upper part of Keel to top of Main Deck Bms. 14.16.  
Girth of Half Midship Frame (as per Rule) 25.83.  
1st Number 53.86.  
Length on deck from after part of stem to fore part of stern post 183.88.  
2nd Number 9903.  
Proportions—Breadths to Length 6.62.  
Depths to Length—Main Deck to top of Keel 12.98.  
Destined Voyage Boasting.

Master

Year of appointment (1) As master in service of owner of present vessel:—19 (2) As master of this vessel:—19

Built at Dublin.

When built 1909. Launched 17<sup>th</sup> July.

By whom built Dublin Dockyard Coy.

Owners Wigan Coal and Iron Co. Ltd.

Managers

(Where necessary to be entered in Reg. Book.)

Residence

Port belonging to Liverpool.

Port belonging to Building & Afloat.

LENGTH on Deck as per Rule 183 Feet. 11 3/4 Inches. BREADTH—Moulded 27 Feet. 9 Inches. DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams 11 Feet. 5 Inches. No. of Decks with Flat laid One. No. of Tiers of Beams One.  
Dimensions of Ship per Register, Length, 185.0 breadth, 27.85. depth, 11.35. Moulded Depth, 13 ft. 7 ins. Round of Beam, Actual 7 ins.

## FRAMING.

	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule.	Inches per Rule.	20ths per Rule.
FRAME, Angles, $\angle$ or $\angle$ Bars, for $\frac{1}{2}$ length amidships	5 1/2	3	9.87	5 1/2	3	9.87
Do. for $\frac{1}{2}$ at each end	4 1/2	3	7	4 1/2	3	7
Do. in way of Double Bottoms at Solid Floors.	3	3	6.7	3	3	6.7
" " at intermdt. Bkts.	—	—	—	—	—	—
Spacing of Frames from centre to centre	22	2 1/2	6	22	2 1/2	6
REVERSED FRAME, Angles	3 1/2	3	9	3 1/2	3	9
DEEP FRAMING, depth of girder	—	—	—	—	—	—
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	18 1/2	9	—	18 1/2	9	—
" in way of Engines and Boilers	5 1/4	8	—	15 1/2	7	—
" thickness at the ends of vessel	—	—	—	—	—	—
" depth at $\frac{1}{2}$ the half breadth, as per Rule	10 1/2	—	—	7 1/4	—	—
" height extended at the Bilges	31	—	—	31	—	—
FLOORS, in Cell Dble Bottoms	32	3 1/2	6	—	31	6 off
" " state if flanged (top & bottom)	No.	—	—	No.	—	—
" " Spacing	22	—	—	22	—	—
CENTRE GIRDER, in Double Bottom, depth and thickness	33	7.6	31	—	7.6	—
" " Angles, Top	3	3	7	3	3	7
" " Bottom	—	—	—	—	—	—
SIDE GIRDERS, number on each side & thickness	One	—	6	One	—	6
" " state if flanged (top & bottom)	No.	—	—	No.	—	—
" " Angles	3	3	7	3	3	6
MARGIN PLATE, depth (exclusive of flange) and thickness	None	—	—	As approved.	—	—
" " Angles to Outside Plating	3	3	7	3	3	6
" " Floors	—	—	—	—	—	—
" " Height of Floors at the Bilges	34 1/2	—	—	31	—	—
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	31	—	10	48	—	7.6
" " thickness in Engine and Boiler space	—	—	—	—	—	—
" " Remainder in Holds	—	—	10	—	—	6
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	5	3	7	5	3	7
" " Angles on Upper Edge	—	—	—	—	—	—
" " Spacing	22	—	—	22	—	—
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	4 1/2	3	6	3 1/2	3	6
" " Angles on Upper Edge	—	—	—	—	—	—
" " Spacing	22	—	—	22	—	—
BEAMS, Hold, Plate or Tee Bulb	—	—	—	—	—	—
" " Angles on Upper Edge	—	—	—	—	—	—
" " Spacing	—	—	—	—	—	—
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	—	—	—	—	—	—
" " Angles on Upper Edge	—	—	—	—	—	—
" " Spacing	—	—	—	—	—	—
BEAMS, Bridge or Pt. Awdg. Deck, Angle, Bulb Angle, Plate or Tee Bulb	5	3	7	5	3	7
" " Angles on Upper Edge	—	—	—	—	—	—
" " Spacing	44	—	—	44	—	—
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	5 1/2	3 1/2	9	5 1/2	3 1/2	9
" " Angles on Upper Edge	—	—	—	—	—	—
" " Spacing	44	—	—	44	—	—
ILLARS, In 'tween Decks, Size and Spacing	22	—	—	22	—	—
" " Hold	—	—	—	—	—	—
" " Quarter, 'tween Dks., " " " "	—	—	—	—	—	—
" " Brackets, in Hold " " " "	—	—	—	—	—	—
BRACKET PLATES, In Fore Body, No. and Spacing	9	66	—	9	66	—
" " " " Thickness	—	—	—	—	—	—
" " No. of Side Stringers " " " "	—	—	—	—	—	—
WEB FRAMES, In E. & B. Space, No. & Spacing	One	—	—	One	—	—
" " Brackets, " " Brdth. & Thickness	15	—	15	—	—	—
BRACKET PLATES, In After Body, No. and Spacing	7	66	—	7	66	—
" " " " Thickness	—	—	—	—	—	—
" " No. of Side Stringers " " " "	—	—	—	—	—	—
" " Size of Angles or Tee Bars to Web Frames	—	—	—	—	—	—
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness	—	—	—	—	—	—

## FORGINGS AND CASTINGS.

	Inches in Ship.	Inches per Rule.	20ths in Ship.	Inches per Rule.	20ths per Rule.
KEEL, Bar or Side Plates depth and thickness	6 x 2 3/8	6 x 2 3/8	—	—	—
STEM, moulding and thickness	6 x 2 3/8	6 x 2 3/8	—	—	—
STERN-POST for Rudder do. do.	6 3/4 x 4	6 3/4 x 4	—	—	—
" " for Propeller	6 3/4 x 4	6 3/4 x 4	—	—	—
MAIN PIECE of Rudder, diameter at head do. at heel	5 1/4 4 1/4	5 1/4 4 1/4	—	—	—
RUDDER, how constructed Single Plate Rudder with keyed arms. Can the Rudder be unshipped afloat? Yes.	—	—	—	—	—
KEELSONS AND STRINGERS.	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule.	20ths per Rule.
CENTRE LINE KEELSON, Vertical Plates above Floors, Through Plates or Intercoastal Plate	18 1/2	8	18 1/2	8	—
" " Rider Plate	—	—	—	—	—
" " Bulb Plate to Intercoastal Keelson	—	—	—	—	—
" " Horizontal Plates on Floors	24	—	10	24	—
" " Angles	4	3	6	4	3
SIDE KEELSON, In B. Space	6	3	7	6	3
" " Bulb or Plate above floors for lng.	—	—	—	—	—
" " Intercoastal Plate in B. Space	—	—	—	—	—
" " Attached to outside plating with Angle	3	3	6	3	6
BILGE KEELSON, Angles In B. Space	4	3	8	4	3
" " Bulb or Plate above floors in B. Space	7	3	8	7	3
" " Intercoastal Plate for length	—	—	—	—	—
" " Attached to outside plating with Angle	—	—	—	—	—
STRINGER Angles In hold	5	3	7	5	3
" " Bulb Plate for length	—	—	—	—	—
" " Intercoastal Plate for full length	—	—	—	—	—
STRINGER Angles full length of R.Q.Dk.	5	3	7	5	3
" " Intercoastal Plate for R.Q.Dk.	—	—	—	—	—
" " Attached to outside plating with Angle	3	3	6	3	6

Main and Raised Quarter Deck Stringer Plate, breadth and thickness	Broad Strg. 10.8	Broad Strg. 10.8
" " Angle on ditto	3 1/2 x 3 1/2	3 1/2 x 3 1/2
" " Tie Plates, outside Hatchways	—	—
" " Diagonal Tie Plates on Bms., No. of Pairs	—	—
" " Main Dk. Steel for whole lng.	8/20 to 5/16	9/20 to 5/16
" " R. Q. Dk. Steel for whole lng.	8/20 to 5/16	9/20 to 5/16
Lower Deck Stringer Plate, breadth and thickness	1 1/2 thick	1 1/2 thick
" " Angles on ditto, No.	—	—
" " Tie Plates, outside Hatchways	—	—
" " Deck* Material and thickness	—	—
Hold Stringer Plate	—	—
" " Angles on ditto, No.	—	—
Poop Deck Stringer Plate, breadth & thickness	—	—
" " Angle on ditto	—	—
" " Tie Plates	—	—
" " Deck, Material and thickness	—	—
Bridge or Pt. Awdg. Deck Stringer Plate, breadth and thickness	20	5
" " Angle on ditto	2 1/2 x 2 1/2	2 1/2 x 2 1/2
" " Tie Plates	9	5
" " Deck, Material and thickness	5 x 3 P.Pine	5 x 2 1/2 P.Pine
Forecastle Deck Stringer Plate, brdth & thckns	21	5
" " Angle on ditto	2 1/2 x 2 1/2	2 1/2 x 2 1/2
" " Tie Plates	80 to 7 1/2	58
" " Deck, Material and thickness	3" P.Pine	3 and 2 1/2 P.Pine

## BULKHEADS.

	Number.	Thickness.	Horizontal.	Vertical.	Single or Double Frames.	Height up.
W.T. BULKHEADS	Three	Three	6 and 5	4 x 3 1/2 1/2	Double	Upper Dk
PARTITION	Two	—	5	2 1/2 x 2 1/2 1/2	Single	" "
LONGITUDINAL	—	—	—	—	—	—
Are the outside Plates doubled two spaces of Frames in length?	—	—	—	—	—	Diamond plates
Are the Sluice Valves and Watertight Doors in efficient working order?	—	—	—	—	—	Yes



