

Lloyd's Register of British and Foreign Shipping.

FORM OF COMPARISON OF SCANTLINGS OF UNCLASSED IRON AND STEEL SHIPS WITH THE RULES OF LLOYD'S REGISTER.

FRI 6 NOV 1891

IRON OR STEEL

Port of *London*

Survey held at *London*

Date, *27 Dec*

1891

On the *Iron s/s Sandringham*

Rig

ONE, OR TWO DECKED, THREE DECKED VESSEL, SPAR, OR AWNING-DECKED VESSEL.

Built at *Middlesboro*

When built *1874* Off. No.

By whom built *Beckhouse & Son*

Owners *Turnbull & Co.*

Port belonging to *Glasgow*

Half Breadth (moulded)	Feet.
Depth from upper part of Keel to top of Upper Dk. Beams	
Girth of Half Midship Frame (as per Rule)	
1st Number	
1st Number, if a 3-Decked Vessel deduct 7 ft.	
Length	
2nd Number	
Proportions—Breadths to Length	
Depths to Length—Upper Deck to Keel	
Main Deck ditto	

COMPARISON OF THE SCANTLINGS:—To be made with the Rules of Lloyd's Register.

FRAMING.	Inches in Ship	Inches in Ship	16ths or 32nds in Ship	Inches per Rule	Inches per Rule	16ths or 32nds per Rule	KEELSONS & STRINGERS.	Inches in Ship	Inches in Ship	16ths or 32nds in Ship	Inches per Rule	Inches per Rule	16ths or 32nds per Rule
FRAME, Angles, or L Bars for 2/3 length amidships	3 1/2	3	5/16	3 1/2	3	6	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	24	-	9	24	-	8
" Distance of frames from Moulding edge to moulding edge, all fore and aft	23	-	-	23	-	-	" Rider Plate	12	-	9	12	-	9
REVERSED FRAME Angles	3	2 1/2	5/16	3	2 1/2	6	" Bulb Plate to Intercoastal Keelson	-	-	-	-	-	-
REVERSED ANGLES on floors and frames extend	-	-	-	-	-	-	" Horizontal Plates on Floors	5	3	7	5	3	7
FLOORS, depth and thickness of Floor Plate at mid-line for 2/3 length amidships	19	-	8/16	19	-	8 1/2	" Angles	-	-	-	-	-	-
" height extended at the Bilges	-	-	-	-	-	-	SIDE KEELSON, Angles	-	-	-	-	-	-
FLOORS AND BRACKETS in Cell Double Bottoms	-	-	-	-	-	-	" Bulb or Plate above floors, for length	-	-	-	-	-	-
" Distance apart	-	-	-	-	-	-	" Intercoastal Plate for length	-	-	-	-	-	-
CENTRE GIRDER, in Double Bottom, depth and thickness	24	-	7	24	-	7	" Attached to outside Plating with Angle	-	-	-	-	-	-
" Angles, Top Bottom	5	3	7	5	3	7	BILGE KEELSON, Angles	-	-	-	-	-	-
SIDE GIRDERS, number and thickness	-	-	-	-	-	-	" Bulb or Plate above floors, for length	-	-	-	-	-	-
" Angles	2 1/2	2 1/2	5	2 1/2	2 1/2	5	" Intercoastal Plate for length	-	-	-	-	-	-
MARGIN PLATE, depth (exclusive of flange) and thickness	-	-	7	-	-	-	" Attached to outside Plating with Angle	-	-	-	-	-	-
" Angles	4	3	7	-	-	-	BILGE STRINGER, Angles	4 1/2	3	6 1/2	4 1/2	3	7
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	-	-	-	-	-	-	" Bulb Plate for Eng. space length	7	-	7	7	-	7
" " in Engine and Boiler Space	-	-	-	-	-	-	" Intercoastal Plate for length	-	-	-	-	-	-
" " Remainder in Holds	-	-	5/16	-	-	5/16	" Attached to outside Plating with Angle	-	-	-	-	-	-
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	5	3	7	5	3	7	SIDE STRINGER, Angles	4 1/2	3	6 1/2	4 1/2	3	7
" Angles on upper edge	3	3	6	3	3	6	" Bulb or Intercoastal Plate for lng.	-	-	-	-	-	-
" Average space	23	-	-	23	-	-	" Attached to outside Plating with Angle	-	-	-	-	-	-
BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	-	-	-	-	-	-	Upper Deck Stringer Plate, on ends of Beams, breadth and thickness	18	-	6	18	-	6
" Angles on upper edge	-	-	-	-	-	-	" Angle on ditto	-	-	-	-	-	-
" Average space	-	-	-	-	-	-	" Flat of Deck, Iron or Steel, for length	-	-	-	4	-	4
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	7	-	7	7	-	7	" Wood rule Material & thickness How fastened to Beams	4	-	-	4	-	-
" Angles on upper edge	3	2 3/4	6	3	2 3/4	6	math Middle Deck Stringer Plate, breadth and thickness	45	-	8	45	-	8
" Average space	-	-	-	-	-	-	" Diagonal Tie Plates or Beams, No. of pairs	4 1/2	3 1/2	8	4 1/2	3 1/2	8
BEAMS, Hold, or Orlop, Plate or Tee Bulb	-	-	-	-	-	-	" Flat of Deck, Iron or Steel, for length	-	-	7	-	-	7
" Angles on upper edge	-	-	-	-	-	-	" " Wood Material & thickness	-	-	-	-	-	-
" Average space	-	-	-	-	-	-	Lower Deck Stringer Plate, breadth and thickness	24	-	8 1/2	24	-	8 1/2
BEAMS, Poop and Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	6	3	6	6	3	6	" Flat of Deck, Material & Thickness	4 1/2	5 1/2	8	4 1/2	3 1/2	8
" Angles on upper edge	3	3	6	3	3	6	Hold or Orlop Stringer Plate, breadth and thickness	-	-	-	-	-	-
" Average space	46	-	-	46	-	-	PLATING.						
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	6	3	7	6	3	7	FLAT PLATE KEEL, breadth and thickness	-	-	-	-	-	-
" Angles on upper edge	-	-	-	-	-	-	" Doubling or inch thickness and length applied	-	-	-	-	-	-
" Average space	46	-	-	46	-	-	PLATES in Garboard Strakes, breadth and thickness	-	-	9 1/2	-	-	9 1/2
PILLARS, Hold	3 1/8	3 1/4	-	3 1/8	3 1/4	-	" from Garboard to lower part of Bilges	-	-	8 1/6	-	-	8 1/6
PILLARS, Deck	2 1/4	-	-	2 1/4	-	-	" Bilges, number of Strakes and thickness	-	-	8 1/6	-	-	8
" "	-	-	-	-	-	-	" Of doubling at Bilge, and length applied	-	-	-	-	-	-
WEB-FRAMES, in Fore Body, No. and spacing	-	-	-	-	-	-	" from upper part of Bilge to lower edge of Sheerstrake	-	-	4 1/2	-	-	8
" " Breadth & Thickness	-	-	-	-	-	-	" Sheerstrake, breadth and thickness	-	-	10 1/2	-	-	10 1/2
" No. of Side Stringers	-	-	-	-	-	-	" Upper Sheerstrake	-	-	-	-	-	-
WEB-FRAMES, in After Body, No. and spacing	-	-	-	-	-	-	" Of doubling at Sheerstrake and length applied	-	-	-	-	-	-
" " Breadth & Thickness	-	-	-	-	-	-	" Poop and Awning Decked Sides	-	-	5 1/6	-	-	5
" No. of Side Stringers	-	-	-	-	-	-	" Bridge do.	-	-	5	-	-	5
" Size of Angles or Tee Bars to Web Frames	-	-	-	-	-	-	" Forecastle do.	-	-	-	-	-	5
							Bulkheads No. No. per Rule	-	-	-	-	-	-
							Height up	-	-	-	-	-	-
							Thickness of How secured to sides of ship <i>double framed</i>	-	-	-	-	-	-
							Size of Vertical Angle Irons and distance apart ins.	3 1/2	3 1/2	8 1/2	3 1/2	3 1/2	8 1/2
							Are the outside Plates doubled two spaces of Frames in length?	-	-	-	-	-	-

RIVETING OF EDGES AND BUTTS OF SHELL PLATING AND BUTTS OF STRINGER PLATES.

GENERAL REMARKS (state quality of Workmanship and present condition of Vessel).

Surveyor's Signature *W. H. Gray*

LON694-0309

