

Freeboard D. Report No. 16.296
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.

IRON OR STEEL *S.S. Lebanon*

Port of *Sunderland*

Survey held at *Sunderland*

Date, *13th Nov* 1891

On the *Iron Steam Ship*

Rig *Schooner*

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

Half Breadth (moulded) *14.05*
Depth from upper part of Keel to top of Upper Dk. Beams *18.2*
Girth of Half Midship Frame (as per Rule)
1st Number
1st Number, if a 3-Decked Vessel deduct 7 ft.

Length *208.3*
2nd Number
Proportions—Breadths to Length
Depths to Length—Upper Deck to Keel
Main Deck ditto

Built at *Millwall*

When built *1870-6* Off. No. *62594*

By whom built *Blackburn & Dixon*

Owners *Frederick & Co*

Port belonging to *London*

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, <i>1</i> Bars for $\frac{1}{2}$ length amidships		<i>3 1/2</i>	<i>3</i>	<i>5</i>	<i>14</i>	<i>14</i>	<i>1</i>	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate		<i>17</i>	<i>10</i>	<i>17</i>	<i>10</i>	<i>17</i>	<i>10</i>
" Distance of frames from Moulding edge to moulding edge, all fore and aft		<i>23</i>			<i>23</i>			" Rider Plate		<i>11</i>	<i>10</i>	<i>12</i>	<i>10</i>	<i>11</i>	<i>10</i>
REVERSED FRAME Angles		<i>2 1/2</i>	<i>2 1/2</i>	<i>5</i>	<i>25</i>	<i>25</i>	<i>6</i>	" Bulb Plate to Intercoastal Keelson		<i>13</i>	<i>10</i>	<i>13</i>	<i>10</i>	<i>13</i>	<i>10</i>
REVERSED ANGLES on floors and frames extend		<i>Main & Lower deck only</i>						" Horizontal Plates on Floors		<i>13</i>	<i>10</i>	<i>13</i>	<i>10</i>	<i>13</i>	<i>10</i>
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships		<i>10</i>	<i>7</i>	<i>18</i>	<i>7</i>	<i>18</i>	<i>7</i>	" Angles		<i>5</i>	<i>3</i>	<i>8</i>	<i>5</i>	<i>3</i>	<i>8</i>
" height extended at the Bilges								SIDE KEELSON, Angles		<i>5</i>	<i>3</i>	<i>8</i>	<i>5</i>	<i>3</i>	<i>8</i>
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		<i>2 1/2</i>	<i>2 1/2</i>	<i>5</i>	<i>25</i>	<i>25</i>	<i>6</i>	" Attached to outside Plating with Angle							
" Angles, Top								BILGE KEELSON, Angles		<i>5</i>	<i>3</i>	<i>8</i>	<i>5</i>	<i>3</i>	<i>8</i>
SIDE GIRDERS, number and thickness								" Bulb or Plate above floors, for length							
" Angles								" Intercoastal Plate for length							
MARGIN PLATE, depth (exclusive of flange) and thickness								" Attached to outside Plating with Angle							
" Angles								BILGE STRINGER, Angles							
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake								" Bulb Plate for length							
" in Engine and Boiler Space								" Intercoastal Plate for length							
" Remainder in Holds								" Attached to outside Plating with Angle							
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb		<i>7</i>	<i>3</i>	<i>6</i>	<i>2</i>	<i>2</i>	<i>2</i>	Upper Deck Stringer Plate, on ends of Beams, breadth and thickness		<i>41</i>	<i>8</i>	<i>41</i>	<i>8</i>	<i>41</i>	<i>8</i>
" Angles on upper edge		<i>3</i>	<i>3</i>	<i>6</i>	<i>2</i>	<i>2</i>	<i>2</i>	" Angle on ditto							
" Average space		<i>23</i>			<i>23</i>			" Flat of Deck, Iron or Steel, for length		<i>6</i>	<i>3</i>	<i>6</i>	<i>3</i>	<i>6</i>	<i>3</i>
BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb		<i>7</i>	<i>3</i>	<i>6</i>	<i>2</i>	<i>2</i>	<i>2</i>	" Wood <i>Plank</i> Material & thickness		<i>6</i>	<i>3</i>	<i>6</i>	<i>3</i>	<i>6</i>	<i>3</i>
" Angles on upper edge		<i>3</i>	<i>3</i>	<i>6</i>	<i>2</i>	<i>2</i>	<i>2</i>	" How fastened to Beams							
" Average space		<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>	Middle Deck Stringer Plate, breadth and thickness							
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb								" Diagonal Tie Plates on Beams, No. of pairs							
" Angles on upper edge								" Flat of Deck, Iron or Steel, for length							
" Average space								" Wood							
BEAMS, Hold, or Orlop, Plate or Tee Bulb								Lower Deck Stringer Plate, breadth and thickness		<i>22</i>	<i>7</i>	<i>22</i>	<i>7</i>	<i>22</i>	<i>7</i>
" Angles on upper edge								" Flat of Deck, Material & Thickness							
" Average space								Hold or Orlop Stringer Plate, breadth and thickness							
BEAMS, Poop and Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb		<i>3 1/2</i>	<i>3</i>	<i>6</i>	<i>2 1/2</i>	<i>2 1/2</i>	<i>6</i>	PLATING.							
" Angles on upper edge								FLAT PLATE KEEL, breadth and thickness							
" Average space		<i>23</i>			<i>23</i>			" Doubling or inch thickness and length applied							
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb								PLATES in Garboard Strakes, breadth and thickness							
" Angles on upper edge								" from Garboard to lower part of Bilges							
" Average space								" Bilges, number of Strakes and thickness							
PILLARS, Hold		<i>2 1/2</i>	<i>2 1/2</i>	<i>5</i>	<i>25</i>	<i>25</i>	<i>6</i>	" Of doubling at Bilge, and length applied							
PILLARS, Deck		<i>2 1/2</i>	<i>2 1/2</i>	<i>5</i>	<i>25</i>	<i>25</i>	<i>6</i>	" from upper part of Bilge to lower edge of Sheerstrake							
WEB-FRAMES, in Fore Body, No. and spacing								" Sheerstrake, breadth and thickness							
" Breadth & Thickness								" Upper Sheerstrake							
" No. of Side Stringers								" Of doubling at Sheerstrake and length applied							
WEB-FRAMES, in After Body, No. and spacing								" Poop and Awning-Decked Sides							
" Breadth & Thickness								" Bridge do.							
" No. of Side Stringers								" Forecastle do.							
" Size of Angles or Tee Bars to Web Frames								Bulkheads No. <i>4</i> No. per Rule <i>4</i> Height up <i>15</i>							

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

Landings edges all double riveted, and all other edges single riveted.

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

This vessel has completed last survey. Had new hull and upper works fitted and extra strengthening fitted, as compensation for removal of frames. For particulars of repairs see Sunderland report No. 16296. Hull dated November 1891 for freeboard height 58'9"