

1 or 2 Dks., R.Q.Dk.,
and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

No. 16430

State if Report is also sent on the Machinery of the Vessel. *yes*

Received at London Office.

Date of completion of Report *22-11-04*

Port of *HULL*

Date, First Survey *Mar. 9th*

Last Survey

Nov. 18th 1904.

ONE OR TWO DECKED VESSEL.

CLASS *+ 100A1*

Master *Joseph Lea.*

Year of appointment

(1) As master in service of
owner of present vessel: 1903
(2) As master of this
vessel: 1904

Built at *Goole*

When built *1904*

Launched *8th Oct.*

By whom built *Goole Shipbuilding & Repairing Co.*

Owners *A. H. Keep.*

Managers

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

Residence *London.*

Port belonging to *London.*

Survey held at *Goole*
On the *SS Grace*
TONNAGE under
Tonnage Deck... *246.99*
Do. of Poop...
Do. of Raised Qr. *18.95*
Dk. or Break...
Do. of Bridge House *16.22*
Do. of Forecastle *10.59*
Do. of Houses on Deck
Do. of excess of Hatchways *15.52*
Do. above Crown of *16.10*
Engine Room...
Gross Tonnage *354.40*
Less Crew Space *35.89*
Less above Crown of *16.10*
Engine Room...
Tonnage for Fees... *299.41*
Engine Room *160.44*
Navigation Spaces *15.74*
Engine Room *16.10*
Register Tonnage *139.33*
Cut on Beam...

Half Breadth (moulded) *12.5*
Depth from upper part of Keel to top of Main Deck Bms. *12.18*
(with the normal round up of beam)
Girth of Half Midship Frame (as per Rule) *22.73*
1st Number *47.41*
Length on deck from after part of stem to fore part of stern post *138.95*
2nd Number *6587.61*
Proportions—Breadths to Length *5.56*
Depths to Length—Main Deck to top of Keel *11.4*
Destined Voyage *London.*

Length on Deck as per Rule *138* Feet. *11 1/2* Inches. BREADTH—Moulded *25* Feet. *0* Inches. DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams *9* Feet. *8 1/2* Inches. No. of Decks with Flat laid *one* No. of Tiers of Beams *one*
Dimensions of Ship per Register, Length, *140-0* breadth, *25-0* depth, *9.37* Moulded Depth, *11* ft. *8* ins. Round of Beam, Actual *6 1/4* ins.

FRAMING.		Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	20ths per Rule Or as Approved.
RAME, Angles, <i>1 1/2</i> or <i>2</i> Bars, for $\frac{1}{2}$ length amidships		<i>4 1/2</i>	<i>3</i>	<i>8/20</i>	<i>4 1/2</i>	<i>3</i>	<i>8</i>
Do. for $\frac{1}{2}$ at each end		<i>4 1/2</i>	<i>3</i>	<i>7/20</i>	<i>4 1/2</i>	<i>3</i>	<i>7</i>
Do. in way of Double Bottoms at Solid Floors.		<i>3</i>	<i>3</i>	<i>6/20</i>	<i>3</i>	<i>3</i>	<i>6</i>
" (Bulb Angle) " at intermdt. Bkts.		<i>5 1/2</i>	<i>3</i>	<i>7/20</i>	<i>5 1/2</i>	<i>3</i>	<i>7</i>
Spacing of Frames from centre to centre		<i>21</i>			<i>21</i>		
EVERSED FRAME, Angles (on floors only)		<i>2 1/2</i>	<i>2 1/2</i>	<i>5/20</i>	<i>2 1/2</i>	<i>2 1/2</i>	<i>5</i>
DEEP FRAMING, depth of girder		<i>4 1/2</i>			<i>4 1/2</i>		
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships		<i>30</i>		<i>6/20</i>	<i>30</i>		<i>6</i>
" in way of Engines and Boilers		<i>17</i>		<i>7/20</i>	<i>17</i>		<i>7</i>
" thickness at the ends of vessel		<i>17</i>		<i>8/20</i>			<i>8</i>
" depth at $\frac{1}{2}$ the half breadth, as per Rule							
" height extended at the Bilges							
FLOORS & BRACKETS, in Cell Dble Bottoms		<i>30</i>		<i>6/20</i>	<i>30</i>		<i>6</i>
" " state if flanged (top & bottom)		<i>700</i>					
" " Spacing		<i>42</i>			<i>42</i>		
CENTRE GIRDER, in Double Bottom, depth and thickness		<i>30</i>		<i>8/20</i>	<i>30</i>		<i>8</i>
" " Angles, Top		<i>3</i>	<i>3</i>	<i>6/20</i>	<i>3</i>	<i>3</i>	<i>6</i>
" " " Bottom		<i>3</i>	<i>3</i>	<i>6/20</i>	<i>3</i>	<i>3</i>	<i>6</i>
SIDE GIRDERS, number on each side & thickness state if flanged (top & bottom)		<i>one</i>		<i>7/20</i>	<i>one</i>		<i>7</i>
" " Angles		<i>3</i>	<i>3</i>	<i>6</i>	<i>3</i>	<i>3</i>	<i>6</i>
MARGIN PLATE, depth (exclusive of flange) and thickness		<i>31</i>		<i>6/20</i>	<i>31</i>		<i>6</i>
" " Angles to Outside Plating		<i>3</i>	<i>3</i>	<i>7/20</i>	<i>3</i>	<i>3</i>	<i>7</i>
" " Floors		<i>3</i>	<i>3</i>	<i>6/20</i>	<i>3</i>	<i>3</i>	<i>6</i>
" " Height of Floors at the Bilges		<i>31</i>			<i>31</i>		
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake		<i>32</i>		<i>7/20</i>	<i>32</i>		<i>7</i>
" " thickness in Engine and Boiler space							
" " Remainder in Holds				<i>6/20</i>			<i>6</i>
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb		<i>5</i>	<i>3</i>	<i>6</i>	<i>5</i>	<i>3</i>	<i>6</i>
" " Angles on Upper Edge							
" " Spacing		<i>21</i>			<i>21</i>		
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb							
" " Angles on Upper Edge							
" " Spacing							
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		<i>42</i>			<i>42</i>		
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb		<i>5</i>	<i>3</i>	<i>7</i>	<i>5</i>	<i>3</i>	<i>7</i>
" " Angles on Upper Edge							
" " Spacing		<i>42</i>			<i>42</i>		
PILLARS, In 'tween Decks, Size and Spacing							
" " Hold		<i>2 1/2</i>	<i>42</i>		<i>2 1/2</i>	<i>42</i>	
" " Quarter, 'tween Dks.							
" " in Hold							
WEB FRAMES, In Fore Body, No. and Spacing							
" " Brdth. & Thickness							
" " No. of Side Stringers							
WEB FRAMES, In E. & B. Space, No. & Spacing							
" " Brdth. & Thickness							
WEB FRAMES, In After Body, No. and Spacing							
" " Brdth. & 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 Or as Approved.
KEEL, Bar or Side Plates depth and thickness		<i>6 1/2 x 1 1/2</i>	<i>6 1/2 x 1 1/2</i>
STEM, moulding and thickness		<i>6 1/2 x 3</i>	<i>6 1/2 x 3</i>
STERN-POST for Rudder do. do.		<i>6 1/2 x 3</i>	<i>6 1/2 x 3</i>
" for Propeller		<i>6 1/2 x 3</i>	<i>6 1/2 x 3</i>
MAIN PIECE of Rudder, diameter at head		<i>4</i>	<i>4</i>
do. at heel		<i>2 3/4 x 2 1/4</i>	<i>2 3/4 x 2 1/4</i>

RUDDER, how constructed *Forged iron frame, plated*
Can the Rudder be unshipped afloat? *Yes.*

KEELSONS AND STRINGERS.		Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	20ths per Rule Or as Approved.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate		<i>5 1/2</i>	<i>3</i>	<i>8/20</i>	<i>5 1/2</i>	<i>3</i>	<i>8/20</i>
" " " " " "		<i>2 3/4</i>		<i>7/20</i>	<i>23</i>		<i>7/20</i>
" " " " " "		<i>3</i>	<i>3</i>	<i>6/20</i>	<i>3</i>	<i>3</i>	<i>6/20</i>
" " " " " "		<i>10 1/2</i>		<i>7/20</i>	<i>10 1/2</i>		<i>7/20</i>
" " " " " "		<i>2 1/2</i>	<i>2 1/2</i>	<i>5/20</i>	<i>2 1/2</i>	<i>2 1/2</i>	<i>5/20</i>
SIDE KEELSON, Angles		<i>5</i>	<i>4</i>	<i>8/20</i>	<i>5</i>	<i>4</i>	<i>8/20</i>
" " Bulb or Plate above floors for lng.							
" " Intercoastal Plate for <i>19-3</i> in way length		<i>23</i>		<i>6/20</i>	<i>23</i>		<i>6/20</i>
" " Attached to outside plating with Angle		<i>3</i>	<i>3</i>	<i>6/20</i>	<i>3</i>	<i>3</i>	<i>6/20</i>
BILGE KEELSON, Angles							
" " Bulb or Plate above floors for lng.							
" " Intercoastal Plate for length							
" " Attached to outside plating with Angle							
BILGE STRINGER Angles							
" " Bulb Plate for length							
" " Intercoastal Plate for length							
" " Attached to outside plating with Angle							
SIDE STRINGER Angles		<i>5</i>	<i>4</i>	<i>8/20</i>	<i>5</i>	<i>4</i>	<i>8/20</i>
" " Bulb or Intercoastal Plate for lng.		<i>8 1/2</i>		<i>6/20</i>	<i>8 1/2</i>		<i>6/20</i>
" " Attached to outside plating with Angle		<i>3</i>	<i>3</i>	<i>6/20</i>	<i>3</i>	<i>3</i>	<i>6/20</i>

Main and Raised Quarter Deck Stringer Plate, breadth and thickness		<i>63 x 42</i>	<i>10-7</i>	<i>63 x 42</i>	<i>10-7</i>
" " Angle on ditto		<i>3 x 3</i>	<i>6</i>	<i>3 x 3</i>	<i>6</i>
" " Tie Plates fore & aft, outside Hatchways					
" " Diagonal Tie Plates on Bms., No. of Pairs					
" " Main Dk* <i>Iron or Steel</i> for <i>full</i> lng.			<i>6</i>		<i>6</i>
" " R. Q. Dk* <i>Iron or Steel</i> for <i>full</i> lng.			<i>6</i>		<i>6</i>
" " Wood Deck, Material & thickness					
Lower Deck Stringer Plate, breadth and thickness					
" " 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 Forecastle Deck Stringer Plate, breadth and thickness		<i>21</i>	<i>5</i>	<i>21</i>	<i>5</i>
" " Angle on ditto		<i>2 1/2 x 2 1/2</i>	<i>5</i>	<i>2 1/2 x 2 1/2</i>	<i>5</i>
" " Tie Plates		<i>6</i>	<i>5</i>	<i>6</i>	<i>5</i>
" " Deck, Material and thickness		<i>2 1/2</i>		<i>2 1/2</i>	
Forecastle Deck Stringer Plate, brdth & thcknas		<i>24</i>	<i>5</i>	<i>24</i>	<i>5</i>
" " Angle on ditto		<i>3 x 3</i>	<i>6</i>	<i>3 x 3</i>	<i>6</i>
" " Tie Plate		<i>42</i>	<i>5</i>	<i>42</i>	<i>5</i>
" " Deck, Material and thickness		<i>2 1/2</i>		<i>2 1/2</i>	

* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.

BULKHEADS.		Number.	Thickness.	STIFFENERS.		Single or Double Frames.	Height up.
		In Vessel.	Per Rule.	Horizontal.	Vertical.		
				Size.	Spacing.	Size.	Spacing.
				Inches.	Inches.	Inches.	Inches.
W.T. BULKHEADS		<i>3</i>	<i>3</i>	<i>3</i>	<i>3</i>	<i>3</i>	<i>3</i>
PARTITION							
LONGITUDINAL							

Are the outside Plates doubled two spaces of Frames in length? *Yes*
Are the Sluice Valves and Watertight Doors in efficient working order? *Yes*

