

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

# IRON OR STEEL STEAMER.

No. 5413

Received at London Office, **MUN. 30 MAR 1908**

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

Date of completion of Report *27-3-08*

Port of *Middlesbrough-on-Tees*

Survey held at *Middlesbrough-on-Tees*  
On the *Twin screw steamer Baro*

Date, First Survey *4 Sept. 1907*

Last Survey *21 March 1908*  
Rig *Schooner*

TONNAGE under  
Tonnage Deck *801.06*  
Do. of Poop *71.42*  
Do. of Raised Qr. *38.07*  
Dk. or Break. *33.52*  
Do. of Bridge House *12.83*  
Do. of Forecastle *956.90*  
Do. of Houses on Deck *58.78*  
Do. of excess of Hatchways *898.12*  
Do. above Crown of *306.21*  
Engine Room *44.04*  
Gross Tonnage *550.87*  
Less Crew Space  
Less above Crown of  
Engine Room  
TONNAGE FOR FEES  
Less Engine Room  
Less Navigation Spaces  
as out on Beam

ONE ~~DECKED~~ DECKED VESSEL.

CLASS *90 A1*

Master *F. C. Clarke*

Year of appointment *1908*  
(1) As master in service of  
owner of present vessel:—1906  
(2) As master of this  
vessel:—1908

Built at *Middlesbrough-on-Tees*

When built *1908* launched *15-2-08*

By whom built *W. Harkiss & Son Ltd*

Owners *Elder Dempster & Co Ltd*

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

Residence *Liverpool*

Port belonging to *Liverpool*

Half Breadth (moulded) *18.00*  
Depth from upper part of Keel to top of Main Deck Bms. *14.75*  
(with the normal round up of beam)  
Girth of Half Midship Frame (as per Rule) *30.24*  
1st Number *62.99*  
Length on deck from after part of stem to fore part of stern post *223.83*  
2nd Number *14104*  
Proportions—Breadths to Length *6.22*  
Depths to Length—Main Deck to top of Keel *15.17*  
Destined Voyage *Landiff*  
Surveyed while Building, Afloat, or in Dry Dock *Yes*

LENGTH on Deck as per Rule *223* Feet. *10* Inches. BREADTH Moulded *36* Feet. *0* Inches. DEPTH, ACTUAL Top of Floors to top of Main Deck Beams *13* Feet. *3* Inches. No. of Decks with Flat laid *One* No. of Tiers of Beams *One*  
Dimensions of Ship per Register, Length, *223.0* breadth, *36.2* depth, *13.15* Moulded Depth, *14* ft. *0* ins. Round of Beam, Actual *9* ins.

FRAMING.						FORGINGS AND CASTINGS.					
	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.		Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.
FRAME, <del>Angles</del> Bars, for $\frac{1}{2}$ length amidships	<i>5 1/2</i>	<i>3</i>	<i>10 1/2</i>	<i>5 1/2</i>	<i>3</i>	KEEL, Bar or Side Plates depth and thickness	<i>Flat Plate</i>				
Do. for $\frac{1}{2}$ at each end	<i>5 1/2</i>	<i>3</i>	<i>8</i>	<i>5 1/2</i>	<i>3</i>	STEM, moulding and thickness	<i>7 1/4 x 2 3/8</i>	<i>7 1/4</i>	<i>2 3/8</i>	<i>7 1/4</i>	<i>2 3/8</i>
Do. in way of Double Bottoms at Solid Floors	<i>4</i>	<i>3</i>	<i>6</i>	<i>4</i>	<i>3</i>	STERN-POST for Rudder do. do.	<i>7 1/2 x 3 1/2</i>	<i>7 1/2</i>	<i>3 1/2</i>	<i>7 1/2</i>	<i>3 1/2</i>
Do. in way of Double Bottoms at intermdt. Floors	<i>3</i>	<i>3</i>	<i>6</i>	<i>3</i>	<i>3</i>	for Propeller					
Spacing of Frames from centre to centre	<i>23</i>		<i>123</i>			MAIN PIECE of Rudder, diameter at head	<i>5 3/4</i>	<i>5 3/4</i>			
REVERSED FRAME, Angles	<i>3</i>	<i>3</i>	<i>6</i>	<i>3</i>	<i>3</i>	do. at heel	<i>4 1/4</i>	<i>4 1/4</i>			
DEEP FRAMING, depth of girder						RUDDER, how constructed <i>Forged single plate horizontal coupling</i>					
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	<i>18</i>		<i>7 1/8</i>		<i>7</i>	Can the Rudder be unshipped afloat? <i>Yes</i>					
in way of Engines and Boilers	<i>18</i>		<i>8 1/8</i>		<i>8 1/8</i>						
thickness at the ends of vessel			<i>6</i>		<i>6</i>						
depth at $\frac{1}{2}$ the half breadth, as per Rule			<i>48</i>		<i>36</i>						
height extended at the Bilges											
FLOORS & BRACKETS, in Cell Dble Bottoms											
state if flanged (top & bottom)											
Spacing											
CENTRE GIRDER, in Double Bottom, depth and thickness											
Angles, Top											
Bottom											
SIDE GIRDERS, number on each side & thickness											
state if flanged (top & bottom)											
Angles											
MARGIN PLATE, depth (exclusive of flange) and thickness											
Angles to Outside Plating											
Floors											
Height of Floors at the Bilges											
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake											
thickness in Engine and Boiler space											
Remainder in Holds											
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	<i>7 1/2</i>	<i>3 1/2</i>	<i>11</i>	<i>7 1/2</i>	<i>3 1/2</i>	Main and Raised Quarter Deck Stringer Plate, breadth and thickness	<i>36-26</i>	<i>10-8</i>	<i>36-26</i>	<i>10-8</i>	
Angles on Upper Edge	<i>46</i>		<i>46</i>			Angle on ditto	<i>5 x 5</i>	<i>12</i>	<i>5 x 5</i>	<i>12</i>	
Spacing	<i>46</i>		<i>46</i>			Tie Plates, outside Hatchways	<i>5 1/2 x 3 1/2</i>	<i>8</i>	<i>5 1/2 x 3 1/2</i>	<i>8</i>	
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						Diagonal Tie Plates on Bms., No. of Pairs					
Angles on Upper Edge						Main Dk* <i>Iron or Steel for full</i> lng.		<i>7-6</i>		<i>7-6</i>	
Spacing						R. & Dk* <i>Iron or Steel for full</i> lng.					
BEAMS, Hold, Plate or Tee Bulb						Wood Deck, Material & thickness <i>P.Pine</i>	<i>2 1/4</i>		<i>P.P.</i>	<i>2 1/4</i>	
Angles on Upper Edge						Lower Deck Stringer Plate, breadth and thickness					
Spacing						Angles on ditto, No.					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	<i>6</i>	<i>3</i>	<i>9</i>	<i>6</i>	<i>3</i>	Tie Plates, outside Hatchways					
Angles on Upper Edge	<i>46</i>		<i>46</i>			Deck* Material and thickness					
Spacing	<i>46</i>		<i>46</i>			Hold Stringer Plate					
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate or Tee Bulb	<i>7</i>	<i>3</i>	<i>9</i>	<i>7</i>	<i>3</i>	Angles on ditto, No.					
Angles on Upper Edge	<i>46</i>		<i>46</i>			Poop Deck Stringer Plate, breadth & thickness	<i>22</i>	<i>6</i>	<i>22</i>	<i>6</i>	
Spacing	<i>46</i>		<i>46</i>			Angle on ditto	<i>3 x 3</i>	<i>6</i>	<i>3 x 3</i>	<i>6</i>	
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	<i>7</i>	<i>3</i>	<i>9</i>	<i>7</i>	<i>3</i>	Tie Plates	<i>9</i>	<i>6</i>	<i>9</i>	<i>6</i>	
Angles on Upper Edge	<i>46</i>		<i>46</i>			Deck, Material and thickness <i>Yellow Pine</i>	<i>2 1/2</i>		<i>4.P.P.</i>	<i>2 1/2</i>	
Spacing	<i>46</i>		<i>46</i>			Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness	<i>36</i>	<i>7</i>	<i>36</i>	<i>7</i>	
PILLARS, In 'tween Decks, Size and Spacing	<i>2 3/4</i>		<i>2 3/4</i>			Angle on ditto	<i>3 x 3</i>	<i>7</i>	<i>3 x 3</i>	<i>7</i>	
Hold	<i>7 1/2</i>	<i>8</i>	<i>7 1/2</i>	<i>8</i>		Tie Plates	<i>9</i>	<i>7</i>	<i>9</i>	<i>7</i>	
Quarter, 'tween Dks., in Hold	<i>Girders as approved</i>					Deck, Material and thickness <i>Yellow Pine</i>	<i>2 1/2</i>		<i>4.P.P.</i>	<i>2 1/2</i>	
WEB FRAMES, In Fore Body, No. and Spacing						Forecastle Deck Stringer Plate, brdth & thcknss	<i>22</i>	<i>6</i>	<i>22</i>	<i>6</i>	
Brdth. & Thickness	<i>one</i>	<i>6</i>	<i>one</i>	<i>6</i>		Angle on ditto	<i>3 x 3</i>	<i>6</i>	<i>3 x 3</i>	<i>6</i>	
No. of Side Stringers						Tie Plates	<i>9</i>	<i>6</i>	<i>9</i>	<i>6</i>	
WEB FRAMES, In E. & B. Space, No. & Spacing						Deck, Material and thickness <i>P.Pine</i>	<i>3</i>		<i>P.P.</i>	<i>3</i>	
Brdth. & Thickness	<i>one</i>	<i>6</i>	<i>one</i>	<i>6</i>							
No. of Side Stringers											
Size of Angles or Tee Bars to Web Frames											
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness											



