

IRON SHIPS.

No. 10338 Survey held at Newcastle Date 14th Feb^r to 10th July 1897
 on the S.S. "Electra" Master J. Michell
 Tonnage under tonnage deck 198.57 Built at Newcastle When built 1867 Launched 5th June 1867
 Ditto of poop or spar deck
 Ditto of engine room 255.54 By whom built Palmer & Co Owners London Steamship Co Ltd
 Total Register tonnage 543.03
 Gross Tonnage 198.57 Port belonging to London Destined Voyage Mediterranean
 If Surveyed while Building, Afloat, or in Dry Dock While building

Length aloft	Feet.	Inches.	Extreme Breadth	Feet.	Inches.	Depth from top of Upper Deck Beam to top of Floor	Feet.	Inches.	Power of Engines	Horse.	No. of Decks
213	0		28	0		17	3		99		one

(Dimensions of Ship per Register, length 213.7 breadth 28.15 depth 17.45)

	Inches in Ship.	Inches required per Rule.	Inches in Ship.	Inches required per Rule.	Inches in Ship.	Inches required per Rule.
Keel, if bar iron, depth and thickness	<u>1 1/8 x 2 7/8</u>	<u>1 1/4 x 2 3/4</u>				
„ if plate iron, breadth and thickness	<u>1 1/8 x 2 7/8</u>	<u>1 1/4 x 2 3/4</u>				
Stem, if bar iron, moulding and thickness	<u>1 1/8 x 2 7/8</u>	<u>1 1/4 x 2 3/4</u>				
„ if plate iron, breadth and thickness	<u>1 1/8 x 2 7/8</u>	<u>1 1/4 x 2 3/4</u>				
Stern-post, if bar iron, moulding and thickness	<u>8 x 5</u>	<u>1 1/4 x 5 1/2</u>				
„ if plate iron, breadth and thickness	<u>8 x 5</u>	<u>1 1/4 x 5 1/2</u>				
Distance of Frames from moulding edge to moulding edge, all fore and aft	<u>21</u>	<u>21</u>				
Frames, Size of Angle Iron, single or double	<u>4 1/4 3/4 9/16</u>	<u>4 1/4 3 9/16</u>				
„ Reversed Iron, if to every frame	<u>3 3 7/16</u>	<u>3 2 3/4 7/16</u>				
Floors, depth and thickness of Floor Plate at mid line	<u>18 9/16</u>	<u>18 9/16</u>				
„ Ditto ditto at Bilge Keelson	<u>10 9/16</u>	<u>10 9/16</u>				
„ Size of Reversed Angle Iron, and No. 142 at top of Floor Plate	<u>3 3 7/16</u>	<u>3 2 3/4 7/16</u>				
Beams, Deck (No. 53) double Angle Iron, Plate, Tee, or Bulb Iron	<u>2 3/4 2 3/4 9/16</u>	<u>2 1/2 2 1/2 9/16</u>				
„ double or single Angle Iron, on edge	<u>2 3/4 2 3/4 9/16</u>	<u>2 1/2 2 1/2 9/16</u>				
„ average space between	<u>Alternate frames</u>					
„ Hold, or Lower Deck (No. 36) double Angle, Tee, Plate, or Bulb Iron	<u>2 3/4 2 3/4 9/16</u>	<u>2 1/2 2 1/2 9/16</u>				
„ double or single Angle Iron on edge	<u>2 3/4 2 3/4 9/16</u>	<u>2 1/2 2 1/2 9/16</u>				
„ average space between	<u>2nd and 4th frames</u>					
„ Paddle, sided and moulded, thickness of Plate size of Angle Iron	<u>Alternate</u>					
„ Engine						
Keelson, single or double plate, box, or intercostal	<u>24 9/16</u>	<u>24 9/16</u>				
„ Size of Plates	<u>5 3 3/4 9/16</u>	<u>4 3/4 3 3/4 9/16</u>				
„ Side, single or double, plate, box, or intercostal	<u>5 3 3/4 9/16</u>	<u>4 3/4 3 3/4 9/16</u>				
„ Bilge (No. 1) at each Bilge, single, or double, plate, or box	<u>5 3 3/4 9/16</u>	<u>4 3/4 3 3/4 9/16</u>				
Transoms, material <u>plate</u> or, if none, in what manner compensated for.						
Knight-heads, and Hawse Timbers <u>Chocks and Plates</u>						
The Frames extend in one length from <u>Keel</u> to <u>Gunwale</u>						
The reverse angle irons on the floors extend in one length across the middle line from <u>Keel</u> to <u>Gunwale</u>						
„ „ „ on the frames „ „ „ from <u>Keel</u> to <u>Gunwale</u>						
Keelson, how are the various lengths of plates or angle irons connected? <u>by butt straps</u>						
Plates, Garboard, double or rivetted to keel, double or at upper edge, with rivets (1 1/8 in.) diameter, averaging (1 1/2 in.) apart.						
„ Edges from Garboards to upper part of bilge, worked clencher, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 3/4 in.) apart.						
„ Butts from Keel to turn of bilge, worked carvel with butt straps (1/16 x 1/16) thick, double or single rivetted; with rivets (7/8 in.) diameter, averaging (2 7/8 in.) apart.						
„ Edges from bilge to sheerstrake, worked carvel with a lining piece () thick, or clencher, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 3/4 in.) apart.						
„ Edges of Sheerstrake, double or single rivetted? At upper edge <u>single</u> At lower edge <u>double</u>						
„ Butts from bilge to planksheers, worked carvel with butt straps (1/16 x 1/16) thick, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 1/2 in.) apart. Breadth of laps in double rivetting (4 1/2) Breadth of laps in single rivetting (2 3/4)						
Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted? <u>double rivetted</u>						
Planksheer, how secured to the plating of the sides						
Waterway „ „ planksheer and to the Beams						
Deck Beams, how secured to the side? <u>Welded keels rivetted to the frames</u>						
Hold or Lower Deck ditto <u>do</u>						
Paddle „ „						
No. of breasthooks <u>4</u> crutches <u>4</u>						
What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.?						
Manufacturer's name or trade mark <u>"Palmer" Sarnow</u>						
We certify that the above is a correct description of the several particulars therein given.						
Builder's Signature <u>James Hill for</u> Surveyor's Signature <u>J. Harding</u>						

