

# IRON SHIP.

Rec 30/4/77

No. 11639 Survey held at Sunderland Date, First Survey December 1/76 Last Survey April 28<sup>th</sup> 1877

On the PAPOENSON s.s. Parthenon \* Master Constantine Theophilatos

Built at Sunderland

TONNAGE under Tonnage Deck 1278.36  
 Ditto of Third Spar 37.13  
 Ditto of Poop 3.02  
 Ditto of House 20.12  
 Ditto of Forecastle 2.55  
 Gross Tonnage 1341.18  
 Less Crew Space 36.08  
 Less Engine Room 1305.10  
 Less Register Tonnage as cut on Beam 429.18  
875.92

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

HALF BREADTH (moulded) 16 feet.  
 DEPTH from upper part of Keel to top of Upper Deck Beams 24.3  
 GIRTH of Half Midship Frame (as per Rule) 36.3  
 1st NUMBER 76.6  
 1st NUMBER of a THREE-DECKED VESSEL 7  
 [deduct 7 feet] 89.6  
 LENGTH 238.3  
 2nd NUMBER 16585  
 PROPORTIONS—Breadths to Length under 7 1/2  
 Depths to Length—Upper Deck to Keel under 10  
 Main Deck ditto under 14

When built 1877 Launched 29/4/77

By whom built Bartram & Harwell

Owners Ag. Deason & Sons

Port belonging to Wales Sunderland

Destined Voyage and

If Surveyed while Building, Afloat, and in Dry Dock

\* See Letter annexed

Official Number

LENGTH on deck as per Rule 238 Feet. 4 Inches. BREADTH Moulded 32 Feet. 0 Inches. DEPTH top of Floors to Upper Deck Beams 22 Feet. 6 Inches. Do. do. Main Deck Beams 15 Feet. 9 Inches. Power of Engines 140 Horse. N° of Decks with flat laid 3 N° of Tiers of Beams 3

	Inches in Ship.			Inches per Rule.		
	Inches	16ths	Inches	Inches	16ths	Inches
KEEL, depth and thickness	8 1/2	2 1/2	8 1/2	8 1/2	2 1/2	8 1/2
STEM, moulding and thickness	8	2 1/2	8	8	2 1/2	8
STERN-POST for Rudder do. do.	9	4 1/2	9	8	5	8
for Propeller	23		23	23		23
Distance of Frames from moulding edge to moulding edge, all fore and aft	(Class 100A)					
FRAMES, Angle Iron, for 2/3 length amidships	4 1/2	3	7	4 1/2	3	7
Do. for 1/2 at each end	4 1/2	3	6	4 1/2	3	6
REVERSED FRAMES, Angle Iron	3	3	7	3	3	7
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships	2 1/2	9	10	2 1/2	9	10
thickness at the ends of vessel	10 1/2	8	7	10 1/2	8	7
depth at 2/3 the half-bdth. as per Rule	10 1/2					
height extended at the Bilges	10 1/2					
BEAMS, Upper, Spar, or Awning Deck	7	7	7	7	7	7
Single or double Ang. Iron, Plate or Tee Bulb Iron	2 1/2	2 1/2	6	2 1/2	2 1/2	6
Single or double Angle Iron on Upper edge	46"					
Average space	46"					
BEAMS, Main, or Middle Deck	5 1/2	3	7	5 1/2	3	7
Single or double Ang. Iron, Plate or Tee Bulb Iron	23					
Single or double Angle Iron, on Upper Edge	23					
Average space	23					
BEAMS, Lower Deck, Hold, or Orlop	8 1/2	8	8	8 1/2	8	8
Single or double Ang. Iron, Plate or Tee Bulb Iron	4 1/2	3	7	4 1/2	3	7
Single or double Angle Iron on Upper Edge	8 1/2					
Average space	8 1/2					
KEELSONS Centre line, single or double plate, box, or intercostal, Plates	16	12	16	16	12	16
Rider Plate	10 3/4	12	10 3/4	10 3/4	12	10 3/4
Bulb Plate to Intercostal Keelson	5	3 1/2	9	5	3 1/2	9
Angle Irons	5	3 1/2	9	5	3 1/2	9
Double Angle Iron Side Keelson	5	3 1/2	9	5	3 1/2	9
Side Intercostal Plate	3	3	7	3	3	7
do. Angle Irons	5	3 1/2	9	5	3 1/2	9
Attached to outside plating with angle iron	7 1/2	7	7 1/2	7 1/2	7	7 1/2
ANGLE IRONS	5	3 1/2	9	5	3 1/2	9
do. Bulb Iron	7 1/2	7	7 1/2	7 1/2	7	7 1/2
do. Intercostal plates riveted to plating for length	5	3 1/2	9	5	3 1/2	9
do. Angle Irons	5	3 1/2	9	5	3 1/2	9
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do. Angle Irons	5	3 1/2				

**Workmanship.** Are the butts of plating planed or otherwise fitted? *Planed*  
 Do the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of deficiencies? *Yes*  
 Are the fillings between the ribs and plates solid single pieces? *Yes*  
 Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *Yes*  
 Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? *Yes*  
 Do any rivets break into or through the seams or butts of the plating? *A very few only*

18317 Iron

Masts, Bowsprit, Yards, &c., are *of Wood* in *good* condition, and sufficient in size and length. If of Iron or Steel give Scantlings of Plating, Angle Irons, &c., and further explain by a Sketch showing how the lower Masts and Bowsprit are constructed, showing the number of Plates and Angle Irons, mode of riveting, quality of Materials, and if stamped with Maker's name.

State also Length and Diameter of Lower Masts and Bowsprit *Revised as a two mast schooner*

NUMBER for EQUIPMENT 20078		Fathoms.	Inches.	Test per Certificate.	Length & Size req'd pr Rule.	Test req'd per Rule.	ANCHORS.	N <sup>o</sup> .	Weight. Ex. Stock.	Test per Certificate.	W'ght req'd per Rule.	Test req'd per Rule.
N <sup>o</sup> .	SAILS.	CABLES, &c.		270	158	47 1/2	Bowers	1	25.3.0	25.8.0.14	25 1/2	25 3/20
	Fore Sails,	Chain						1	25.2.0	25.3.3.0	25 1/2	25 7/20
	Fore Top Sails,	Hmpn Strm Cbl		60				1	22.2.0	22.15.0.0	21.3.0	22 3/20
	Fore Topmast Stay Sails	Hawser ...		80								
	Main Sails,	Towlines ...		80			Stream	1	10.3.21.16.14.2.28			
	Main Top Sails,	Warp ...		80				1	5.2.0	6.17.2.0		
	and	quality		80			Kedges	1	3.0.0	4.15.0.0		

Standing and Running Rigging *Wire & Hemp* sufficient in size and *good* in quality. She has *3* Long Boats and *1* Life Boat

The Windlass is *good* Capstan *good* and Rudder *good* Pumps *good and sufficient in training*

Engine Room Skylights.—How constructed? *Plate and Angle iron* How secured in ordinary weather? *by bolts*

Coal Bunker Openings.—How constructed? *Cast iron coaming* How are lids secured? *Hatches & Bars* Height above deck? *7"*

Scuppers, &c.—What arrangements for clearing upper deck of water, in case of shipping a sea? *6 ports and 6 scuppers each side and 3 moving pipes each side*

Cargo Hatchways.—How formed? *Plate and angle iron*

State size Main Hatch *19' 2" x 11'* Forehatch *11' 6" x 8'* Quarterhatch *20' 1" x 10'*

If of extraordinary size, state how framed and secured? *Built Beams and 2 angles riveted to coaming*

What arrangement for shifting beams? *Made permanent*

Hatches, If strong and efficient? *Yes*

Order for Special Survey No. *2660* Date *21 Nov/96*

Order for Ordinary Survey No. *91* Date *—*

No. *91* in builder's yard.

- 1st. On the several parts of the frame, when in place, and before the plating was wrought
- 2nd. On the plating during the process of riveting
- 3rd. When the beams were in and fastened, and before the decks were laid...
- 4th. When the ship was complete, and before the plating was finally coated or cemented..
- 5th. After the ship was launched and equipped

General Remarks (State quality of workmanship, &c.) *The workmanship is good throughout & well finished. This vessel has been built under special survey in general conformity with the Rules, and in accordance with the midship section and profile drawing. Attached hereto are the Surveyors' letters dated 21<sup>st</sup> Oct. 1876. The butt straps of the chain absent middle deck are bolts riveted for half length, to compensate for its being wrought inside instead of outside as required by the Rules which was approved of and sanctioned by the Surveyors' letter of the 28<sup>th</sup> Oct. 1876.*

*She is fitted with bulwark turrets as shown on the profile tracing, and they have been tested to a head of water up to the height of the Upper Deck and found satisfactory. She has a built fore-castle and the Collision Bulkhead is fitted as shown on the tracing above named, and efficient arrangements are provided as required by the Rules to prevent puncturing.*

State if one, two, or three, decked vessel, or if spar, or running decked; and the lengths of poop, fore-castle, or raised quarter-deck, and the length of double, or part double bottom.

How are the surfaces preserved from oxidation? Inside *Ammoniac and Paint* Outside *Red lead & Paint*

I am of opinion this Vessel should be Classed *100 A. 1. 2 decks 3 tier of beams. part double bottom*

The amount of the Entry Fee ... £ 5 : : : is received by me, *W. H. W.*

Special ... £ 57 : 12 : 6 *25<sup>th</sup> April 1877*

Certificate ... : : : :  
 (Travelling Expenses, if any, £ *—*)

Committee's Minute *1<sup>st</sup> May 1877*

Character assigned *100 A. 1.*

*Lloyd's Reg. No. 2 Dps 3 Tps. 100 A. 1.*

