

IRON³⁸⁵⁷ SHIPS.

Rev 18/11/64

d

Survey held at Newcastle Date 30 March 1-8 Nov 1864
 by "Principe de Galvea" Master G. A. Lums
 in D. 725.41
 Tonnage Gross - 837.21 Engine Room 250.74 Register 58.41 Built at Newcastle
 Cabins 111.80
 when Built 1864 Launched 1864 Oct 2 By whom built Messrs Palmer by
 Society for a
 owners Italiana Di Port belonging to Acqua Destined Voyage Acqua
 Trieste Adriatic General
 Surveyed Afloat or in Dry Dock vessel while building

Feet. Inches.	Feet. Inches.	Depth from top of Upper Deck	Feet. Inches.	Horse.
Length aloft	Extreme Breadth	Beam to top of Floor	Power of Engines	
234.2	28 35	17 65	270	
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	Inches in Ships.	Inches required per Rule.		
Floors, Size of Angle Iron, and No. 12 at bottom of Floor Plate	4 1/2 3	7 1/2 4 1/4 3	8 7/8	Stem, if bar iron, moulding and thickness ,, if plate iron, breadth and thickness
,, depth and thickness of Floor Plate at mid line	2 1/2 9/16	17 1/2 10 1/16		,, if plate iron, breadth and thickness Stern-post, if bar iron, moulding and thickness
,, depth and thickness of Floor Plate at Bilge Keelson	5 9/16	4 3/4 10 7/8		Keel, if bar iron, depth and thickness..... ,, if plate iron, breadth and thickness
Size of Reversed Angle Iron, and No. 12 at top of Floor Plate	3 3	7 1/8 11 3 2 3 4 1/4		Garboard Plates, 10 1/4 in. Description of Iron. Breadth and thickness
Frames, Size of Angle Iron, single or double	4 1/2 3	7 1/8 4 1/4 3	8 7/8	From Garboard to upper part of Bilge.....
,, Reversed Iron, to every frame	3 3	7 1/8 10 3 2 3 4 1/4		From upper part of Bilge to Sheerstrakes.....
Beams, Deck (No. 10) double Angle Iron, Plate, or Bulb Iron	7 7/8 gauge	7 7/8		Sheerstrakes, outer - Breadth and thickness
,, double or single Angle Iron, on top edge	2 1/2 2 1/2 7 1/8 2 1/2 2 1/2	5 1/16		Butt Straps to outside plating, Breadth and thickness
,, average space between	3 7/8 8 ins	3 7/8 8 1/4		Plankshears ... Material. 9 7/8 8 1/2 11 1/2 10 1/4 12 10 9/16
,, if wood (No.) sided & moulded				Gunwale Plate or Stringer on ends of Up. Dk Beams 30 9/8 30 10/16
Hold, or Lower Deck (No. 5-1) double Angle Iron, Plate, or Bulb Iron	7 7/8 gauge	7 7/8		Angle Iron on ditto..... 5 x 4 x 8 1/2 gauge 3 3/4 1/16
,, double or single Angle Iron, on top edge	2 1/2 2 1/2 7 1/8 2 1/2 2 1/2	5 1/16		Diagonal Tie Plates on Beams 11 9/10 1/2 9/16 10 1/2 10/16
,, average space between	3 7/8 8 1/4	3 7/8 8 1/4		Waterway 12 x 2 1/2
,, if wood (No.) sided & moulded				Deck 12 x 2 1/2
Paddle, wood, sided and moulded, or if Iron, size of Plate				Ceiling in Hold 12 x 2 1/2
Engine				Ceiling betwixt Decks
Keelson, single plate, box, or intercostal	20 1/2 x 9	Section "Z"		Beam Clamps or Spirketting Shelf
Size of Plates	2 2/3 3	14 1/2 10 1/16		Stringer Plates on ends of Hold or Lower Dk Beams 21 9/8 21 10/16
Size of Angle Irons		3 3/4		Stringer or Tie Plates out side Hatchways
Ditto Bilge (No. 2)	5 4	8 1/8 gauge		Deck Beam Clamps or Spirketting Shelf
Transoms, material	Plate			Stringers in Hold 5 x 4 x 8 1/2 gauge 4 1/2 x 3 3/4 1/16
Knight-heads, and Hawse Timbers	Plate & Girder beams			Deck, Lower 4 Pine 3
The Frames or Ribs extend in one length from	Ree C	to Gunwale		Deck, Upper, how fastened to Beams as per Rule
The reverse angle irons on the floors extend in one length across the middle line from				Bulkheads, N. 4 1/2 Dk Thickness of 7/16 & 5/16
,, on the frames	,, from	to		,, how secured to the sides of the ship to clinch plates
Keelson, how are the various lengths of plates or angle irons connected?				,, size of vertical angle iron and their distance apart 1 x 3 x 7/16 = 2 1/2
Plates, Garboard, double or single riveted to keel & at upper edge, with rivets (1/2 ins.) diameter averaging (4 3/4 in.) from centre to centre of rivet.				
,, Edges from Garboards to upper part of bilge, worked carvel with a lining piece () in. thick, or clench, double or single riveted; rivets (3/4 in.) diameter, averaging (3 ins.) from centre to centre of rivets.				
,, Butts from Keel to turn of bilge, worked carvel with a lining piece () thick, double or single riveted; rivets (3/4 in.) diameter, averaging (3 ins.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below?				
,, Edges from bilge to sheerstrake, worked carvel with a lining piece () thick, or clench, double or single riveted; rivets (3/4 in.) diameter, averaging (3 ins.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below?				
,, Edge of Sheerstrake, double or single riveted?				
,, Butts from bilge to plankshears, worked carvel with a lining piece () thick, double or single riveted; rivets (3/4 in.) diameter averaging (3 ins.) from centre to centre of rivets. Breadth of laps in double rivetting () Breadth of laps in single rivetting ()				
Butt Straps of Keelsons, Stringer and Tie Plates, double or single riveted?				
Plankshears, how secured to the plating of the sides		Explain by sketch if necessary.		
Waterway				
Deck Beams, how secured to the side?				
Hold or Lower Deck				
Fiddle				
No. of breasthooks	5-4-3	crutches		
What description of iron is used for the angle iron and plate iron in the vessel?		how are pointers compensated?		

Angle iron & plate iron in the vessel? " by Palmer Boro P. 60

Builder's Signature

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Lloyd's Register

Workmanship. Are the lands or laps of the clenchwork in all cases in breadth at least five times the diameter of the rivets in double riveted edges and butts, and at least three times the diameter of the rivets where single rivetting is admitted?

edges and butts, and at least three times the diameter of the rivets where single rivetting is admitted?

Do the edges of the carvel work and of the butts fay close together throughout their length without requiring any making good of deficiencies? *See also* *hole*

Do the fillings between the ribs and plates fill in solid with single pieces, or are they in short lengths of various thicknesses? Long length

Do the holes for rivetting plate to frames, lining pieces, or plate to plate, &c., conform well to each other? Yes and are the rivet holes

well and sufficiently countersunk in the outer plate? Yes

Are there any rivets which either break into or have been put through the seams or butts of the plating? *as far as*

Her Masts, Yards, &c., are in good condition, and sufficient in size and length.

~~She has~~ SAILS.

N°.	
2	Fore Sails,
	Fore Top Sails,
One place	Fore Topmast Stay Sails,
Two places	Main Sails,
	Main Top Sails,
	and

CABLES, &c.		Fathoms.	Inches.
Stamper 210 yds.	"		
Chain Test. 34 2/3 lbs.	270	17	1/16
Hempen Stream Cable	90	44	1/16
Hawser	80	8	St
Towlines	190	12	
Warp	80	8	K
All of <u>new</u> quality.	150	11	

	N.	Weight.
Plumbec Lloyd's	C	20.0.
.....	P	19.4.
Mercede West.	D	18.3.
m,	C	3.
e,	C	4.2.
		3.

Her Standing and Running Rigging complete sufficient in size and sound in quality.

She has 2 Long-Boats each $23 \times 5.2 \times 2.6$. 2 Quarter-boats each $9.3 \times 5.10 \times 2.5$
2 Gigs each $9.5 \times 5.2 \times 2.2$. The present state of the Windlass is Paid out. Capstan Completed and Rudder Completed. Pumps 3 Hand each 100.

The portable Downlins' 1915
from H. D. Allen

General Remarks, Statement and Date of Repairs, extent of corrosion (if any) both internally and externally, and condition of rivets.

- DATES of Surveys** held while building, as per Section 17.

1st. On the several parts of the frame, when in place, and before the plating was wrought	}	Bennet - naval
2nd. On the plating during the progress of rivetting		Special Survey
3rd. When the beams were in and fastened, and before the decks were laid		per order no 454
4th. When the ship was complete, and before the plating was finally coated		
5th. After the ship was launched		

This vessel is of similar dimensions to the "Indostan" No. 9244, of 185³/₄ tons under deck, and Classed 12 A. 1 but the measurement of this vessel is found to be 725¹/₂ tons under deck, being an increase on the above named vessel of 38¹/₂ tons and on the gross 39³/₄ tons. The scantlings are therefore in respect to thickness of plating 1¹/₂ inches sufficient; and the double rivetting of plates to upper part of bilges. - The upper and lower deck ice plates, together with the middle line keel are much below the requirements of the Rules, and Holz beams placed to every alternate frame, Rule 1-4 4¹/₂ frame alternately. Under these circumstances, it is to leave the Class for the Committee's consideration.

With reference to the Banner which is referred to in
Secretary's Letter of the 15th inst. and enclosures, - they
will be found to be Marshall-light-in weight by
Table 22 of August 13, and the present we. The balance
of 18 cent will be as per-able in lieu of the 15 cent little
as a private machine. The several certificates are to be with
In what manner are the certificates to be issued?

In what manner are the surfaces preserved from oxidation? ~~Not to be used for metal paint - see~~

-Clement in holocene

I am of opinion this Vessel should be classed _____
The amount of the Fee £ 5/- : - :
Nov 19th Special £ 4/- 1/-
Certificate (~~is~~ required) _____

Committee's Minute / 18th November 1861

Character assigned A B /

Sum of opinion that
the Cleopatra will
fully meet the ship's
claims - 18th Oct 1864