

## IRON SHIP.

Recd. 21<sup>st</sup> JULY 1882 532

1882

No. 5324 Survey held at Hull

Date, First Survey Aug 30/82 Last Survey 15<sup>th</sup> June

On the Iron Screw Steamer "B. Olama"

TONNAGE under Tonnage Deck 447.99  
Ditto of Upper Deck 3.88  
Ditto of Poop, or Raised Qr. Dk. 43.63  
Ditto of Houses on Deck 22.26  
Ditto of Forecastle 21.08  
Gross Tonnage 538.84  
Tonnage Crew Space 29.84  
Less Engine Room 172.43  
Net Tonnage as cut on Beam 336.54

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

Half Breadth (moulded) 13.0  
Depth from upper part of Keel to top of Upper Deck Beams 14.8  
Girth of Half Midship Frame (as per Rule) 25.0  
1st Number 52.8  
1st Number, if a 3-Decked Vessel deduct 7 feet  
Length 178.9  
2nd Number 944.6  
Proportions— Breadths to Length... Under 4  
Depths to Length—Upper Deck to Keel... 13  
Main Deck ditto

Master Hiallo  
Built at Hull  
When built 1883 Launched 19<sup>th</sup> April  
By whom built Charles Shipbuilding & Co. Ltd.  
Owners Empresa Nacional  
Residence Lisbon  
Port belonging to Lisbon  
Destined Voyage West Coast of Africa  
If Surveyed while Building, Afloat, or in Dry Dock.  
Building end afloat.

LENGTH	Feet.	Inches.	BREADTH	Feet.	Inches.	DEPTH	Feet.	Inches.	Power of Engines	Horse.	No. of Decks with flat laid	No. of Tiers of Beams
on deck as per Rule	178	9	Moulded	26	0	top of Floors to Upper Deck Beams	14	8	90	90	One	One
Dimensions of Ship per Register, length	180.0		breadth	26.0		depth	13.6					
KEEL, depth and thickness	7 1/2	2 1/8										
STEM, moulding and thickness	6 3/4	2 1/8										
STERN-POST for Rudder do. do.	6 3/4	4 1/4										
" for Propeller	21	inches										
Distance of Frames from moulding edge to moulding edge, all fore and aft	21	inches										
FRAMES, Angle Iron, for 1/2 length amidships	3 1/2	3										
Do. for 1/2 at each end	3	2 1/2										
REVERSED FRAMES, Angle Iron	15	x										
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships	8											
thickness at the ends of vessel	30	inches										
depth at 3/4 the half-bdth. as per Rule	30	inches										
height extended at the Bilges	30	inches										
BEAMS, Upper, Spar, or Awning Deck	6	x										
Angle or d'ble Ang. Iron, Plate or Tee Bulb Iron	2 1/2	2 1/2										
Angle or double Angle Iron on Upper edge	42	inches										
Average space	42	inches										
BEAMS, Main, or Middle Deck	4	x										
Angle or d'ble Ang. Iron, Plate or Tee Bulb Iron	4	x										
Angle or double Angle Iron on Upper Edge	4	x										
Average space	4	x										
BEAMS, Lower Deck	4	x										
Angle or d'ble Ang. Iron, Plate or Tee Bulb Iron	4	x										
Angle or double Angle Iron on Upper Edge	4	x										
Average space	4	x										
BEAMS, Hold, or Orlop	4	x										
Angle or d'ble Ang. Iron, Plate or Tee Bulb Iron	4	x										
Angle or double Angle Iron on Upper Edge	4	x										
Average space	4	x										
KEELSONS Centre line, single or double plate, box, or Intercoastal, Plates	12	x										
Rider Plate	8 1/2	x										
Bulb Plate to Intercoastal Keelson	4	x										
Angle Irons	4	x										
Double Angle Iron Side Keelson	4	x										
Side Intercoastal Plate	4	x										
do. Angle Irons	4	x										
Attached to outside plating with angle iron	4	x										
BILGE Angle Irons	4	x										
do. Bulb Iron	4	x										
do. Intercoastal plates riveted to plating for 3/5 length	4	x										
EDGE STRINGER Angle Irons	4	x										
Intercoastal plates riveted to plating for length	4	x										
SIDE STRINGER Angle Irons	4	x										

The FRAMES extend in one length from Keel to gunwale Riveted through plates with 3/4 in. Rivets, about 6 apart.

The REVERSED ANGLE IRONS on floors and frames extend across middle line to upper turn of bilge and to main deck. And butts properly shifted? Yes.

KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? Yes.

PLATING. Garboard, double riveted to Keel, with rivets 1 in. diameter, averaging 5 ins. from centre to centre.

Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 3/4 in. diameter, averaging 3 ins. from centre to centre.

Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 3/4 in. diameter, averaging 3 ins. from centre to centre.

Butts of two Strakes at Bilge for 1/2 length, treble riveted with Butt Straps 1/16 thicker than the plates they connect.

Edges from Bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets 3/4 in. diameter, averaging 3 ins. from cr. to cr.

Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 3/4 in. diameter, averaging 3 ins. from cr. to cr.

Edges of Main Sheerstrake, double or single riveted.

Butts of Main Sheerstrake, treble riveted for 1/2 length amidships. Butts of Upper or Spar Sheerstrake, treble riveted length amidships.

Butts of Main Stringer Plate, treble riveted for 1/2 length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for length.

Breadth of laps of plating in double riveting 4 1/2 Breadth of laps of plating in single riveting 2 1/2

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? No. of Breasthooks, 4 Crutches, 3

What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? Good

Manufacturer's name or trade mark, plates "Consett" Angles Beams Dorman Long & Co. Hull York

The above is a correct description.

Builder's Signature, EARLE'S SHIPBUILDING & ENGINEERING COY. LIMITED Surveyor's Signature, James W. Neil

Surveyor to Lloyd's Register of British and Foreign Shipping.



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? *No*

Masts, Bowsprit, Yards, &c., are *throughout* 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

*(Wood)*

NUMBER for EQUIPMENT *10390*

*One Sided*

SAILS.  
Fore Sails,  
Fore Top Sails,  
Fore Topmast Stay Sails,  
Main Sails,  
Main Top Sails,  
and

CABLES, &c.  
Chain *Studd*  
Iron Stream Chain  
or Steel Wire  
or Hempen Strm Cable  
Towline, Hemp  
or Steel Wire  
Hawser  
Warp  
quality *Good*

Fathoms.	Inches.	Test per Certificate.	Inches per Rule.	Machine where Tested & Suprntdt.
<i>224</i>	<i>1 3/8</i>	<i>51.9 34</i>	<i>13/16</i>	<i>Chester machine 30.1.83 &amp; 10.7.82</i>
<i>60</i>	<i>13/16</i>	<i>148 &amp; 11 1/2</i>	<i>13/16</i>	<i>Spa &amp; B. Seill</i>
<i>45</i>	<i>8 1/2</i>		<i>8 1/2</i>	
<i>90</i>	<i>6 1/2</i>		<i>6 1/2</i>	
<i>120</i>	<i>5</i>			
<i>120</i>	<i>4</i>			

ANCHORS.

Bower Anchors  
(State Machine where Tested, Date, or No. of Certificate, & Name of Superintendent.)

No.	Weight. Ex. Stock.	Test per Certificate	W'ght req'd per Rule.	Machine where Tested & Suprntdt.
<i>1</i>	<i>16.2.21</i>	<i>18.0.0.0</i>	<i>12</i>	
<i>1</i>	<i>14.1.10</i>	<i>15.19.0.4</i>	<i>11 1/2</i>	
<i>1</i>	<i>13.2.26</i>	<i>15.8.0.0</i>	<i>10 3/4</i>	
<i>1</i>	<i>4.0.0</i>	<i>6.7.2.0</i>	<i>4</i>	
<i>1</i>	<i>2.0.16</i>	<i>4.13.0.0</i>	<i>2</i>	
<i>1</i>	<i>1.0.0</i>		<i>1</i>	

Standing and Running Rigging *Wire & hemp* sufficient in size and *good* in quality. She has *four* Long Boats and *good* Pumps *Good*.

The Windlass is *Good* Capstan *Good* and Rudder *Good*

Engine Room Skylights. How constructed? *Iron Comings & Wood top* How secured in ordinary weather?

What arrangements for deadlights in bad weather? *thick glass and strong brass rods* Height above deck? *flush*

Coal Bunker Openings. How constructed? *Cast iron* How are lids secured? *locked*

Scuppers, &c. What arrangements for clearing upper deck of water, in case of shipping a sea? *4 hinged ports, Scuppers & moving pipes on each side*

Cargo Hatchways. How formed? *Iron comings*  
State size Main Hatch *14.0 x 8.0* Forehatch *4.0 x 6.0* Quarterhatch *12.3 x 8.0*

If of extraordinary size, state how framed and secured?

What arrangement for shifting beams? *plates & double angle beams*

Hatches, If strong and efficient? *Yes*

Order for Special Survey No. *226* Date *11.8.82*  
Order for Ordinary Survey No. *✓* Date *11.8.82*  
No. *260* in builder's yard.  
DATES of Surveys held while building as per Section 18:  
1st. On the several parts of the frame, when in place, and before the plating was wrought } *Built under Special Survey & Surveyed in 1882 - Aug 30. Nov 10. 14. Dec 4. 13. 16. 23. in 1883.*  
2nd. On the plating during the process of riveting } *Jan 3. 6. 12. 16. 17. 20. 22. 24. Feb 5. 8. 12. 20. 21. 24. Mar 6.*  
3rd. When the beams were in and fastened, and before the decks were laid.... } *15. 22. 29. Apr 2. 4. 10. 18. 24. 30. May 4. 10. 22. 29. June 4.*  
4th. When the ship was complete, and before the plating was finally coated or cemented.. } *8. 14. 15.*  
5th. After the ship was launched and equipped

General Remarks (State quality of workmanship, &c.) *This one decked iron Screw Steamer has been built under Special Survey in accordance with the approved sketch of Midship Section attached and in all other respects with the Rules for the 100A-Class.*

*The iron work is efficiently protected from oxidation by Cement and paint and the workmanship throughout is good. She has a poop 32' 0" long; Bridge 23' 0" long and forecastle 28' 0" long.*

State if one, two, or three decked vessel, or if spar, or awning decked; and the lengths of poop, bridge, forecastle, or raised quarter deck. (If double bottom, state particulars on separate form.)

How are the surfaces preserved from oxidation? Inside *Cement and paint* Outside *paint*

I am of opinion this Vessel should be Classed *100A1*

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

Special ... £ *26* : *19* : *16/6* 1883

Certificate ... *Gratis*  
(to be sent as per margin)

(Travelling Expenses, if any, £ )

Committee's Minute *22/6/83*

Character assigned *100A1*

FRIDAY 22 JUNE 1883

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Surveyor to Lloyd's Register of British and Foreign Shipping.

Lloyd's Register Foundation