

# I R O N S H I P .

No. 3716 Survey held at Penfrew Date, First Survey 18<sup>th</sup> June 1772 Last Survey 3<sup>rd</sup> Oct. 1873

On the S.S. Vasco de Gama now Luigi Master Rice

Official Number	TONNAGE under Tonnage Deck } <u>2096.58</u>	ONE, OR TWO DECKED, THREE DECKED VESSEL. SPAR, OR AWNING-DECKED VESSEL.	Built at <u>Penfrew</u>
	Ditto of Third, Spar, or Awning Deck. } <u>767.48</u>		When built <u>1873</u> Launched <u>29<sup>th</sup> May 1873</u>
	Ditto of Poop, or Raised Or. Dh. } <u>48.07</u>		By whom built <u>Henderson, Coulbourn &amp; Co.</u>
	Ditto of Houses on Deck } <u>48.07</u>		Owners <u>China Transpacific S.S. Co. Ltd.</u>
	Ditto of Forecastle } <u>48.07</u>		Port belonging to <u>London.</u>
	Gross Tonnage <u>2912.43</u>		Destined Voyage <u>London to China</u>
	Less Crew Space } <u>2864.36</u>		If Surveyed while Building, Afloat, or in Dry Dock.
	Tonnage for Deck } <u>931.98</u>		
	Less Engine Room } <u>1980.45</u>		
	Register Tonnage as cut on Beam } <u>1980.45</u>		

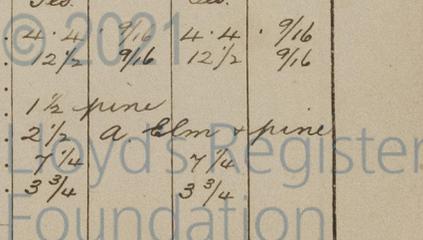
DEPTH from upper part of Keel to top of Upper Deck Beams <u>25.90</u>	Feet. <u>18.37</u>
GIRTH of Half Midship Frame (as per Rule) <u>38.58</u>	Feet. <u>38.58</u>
1st NUMBER <u>82.85</u>	
1st NUMBER, if a THREE-DECKED VESSEL <u>7.00</u>	
[deduct 7 feet] <u>75.85</u>	
LENGTH <u>348</u>	
2nd NUMBER <u>26.395</u>	
PROPORTIONS—Breadths to Length <u>9.47</u>	
Depths to Length—Upper Deck to Keel <u>18.81</u>	
Main Deck ditto <u>13.43</u>	

LENGTH on deck as per Rule <u>348</u>	Feet. <u>348</u> Inches. <u>0</u>	BREADTH—Moulded <u>36</u>	Feet. <u>36</u> Inches. <u>9</u>	DEPTH top of Floors to Upper Deck Beams <u>24</u>	Feet. <u>24</u> Inches. <u>1 1/2</u>	Power of Engines <u>530</u>	Horse. <u>530</u>	Nº. of Decks with flat laid <u>Three</u>	Nº. of Tiers of Beams <u>Four</u>
				Do. do. Main Deck Beams <u>31</u>	Feet. <u>31</u> Inches. <u>6</u>				

Dimensions of Ship per Register, length, 349.4 breadth, 37.0 depth, 24.4 31.85

	Inches in Ship.		Inches per Rule.	
	In Ship.	In Ship.	Inches required per Rule	16ths required per Rule
KEEL, depth and thickness	10	2 3/4	10	2 3/4
STEM, moulding and thickness	10	2 3/4	10	2 3/4
STERN-POST for Rudder do. do. for Propeller	10	5 1/2	10 1/2	5 1/2
Distance of Frames from moulding edge to moulding edge, all fore and aft	24		24 (Class 100 A)	
FRAMES, Angle Iron, for 1/2 length amidships Do. for 1/2 at each end	4 1/2	3	4 1/2	3
REVERSED FRAMES, Angle Iron	4 1/2	3	4 1/2	3
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships thickness at the ends of vessel depth at 3/4 the half-bdth. as per Rule height extended at the Bilges	2 1/2	9/16	2 1/2	9/16
BEAMS, Upper, Spar, or Awning Deck Single or d'ble Ang. Iron, Plate or Tee Bulb Iron Single or double Angle Iron on Upper edge Average space	7	5	7	5
BEAMS, Main, or Middle Deck Single or d'ble Ang. Iron, Plate or Tee Bulb Iron Single or double Angle Iron, on Upper Edge Average space	9	5 1/2	9	5 1/2
BEAMS, Lower Deck, Hold, or Orlop Single or d'ble Ang. Iron, Plate or Tee Bulb Iron Single or double Angle Iron on Upper Edge Average space	7	5	7	5
KEELSONS Centre line, single or double plate, box, or Intercostal, Plates Rider Plate Bulb Plate to Intercostal Keelson Angle Irons Double Angle Iron Side Keelson Side Intercostal Plate do. Angle Irons Attached to outside plating with angle iron	19	9	19	9
BILGE Angle Irons do. Bulb Iron do. Intercostal plates riveted to plating for half length	6	4	6	4
BILGE STRINGER Angle Irons Intercostal plates riveted to plating for 1/2 length	6	4	6	4
SIDE STRINGER Angle Irons	6	4	6	4

	Inches. In Ship.	16ths. In Ship.	Inches. required	16ths required
Flat Keel Plates, breadth and thickness	38	12/16	36	12/16
PLATES in Garboard Strakes, breadth and thickness from Garboard to upper part of Bilges of doubling at Bilge, or increased thickness, and length applied	11/16		11/16	
fm up. part of Bilge to lr. edge of Sh'rstrake	one strake 7/16 and two strakes 1/16 for 1/2 length		one strake 7/16 and two strakes 1/16 as per section.	
Main Sheerstrake, breadth and thickness of d'bling at Sh'rstrake, & length applied from Mn. to Upr. or Spar Dk. Sh'rstrake.	36	12/16	36	12/16
Up. or Spar Dk Sh'rstrake, brdth & thickness	48	15/16	36	11/16
Butt Straps to outside plating, breadth & thickness	19	14 1/2 x	14 1/2	11/16 thick
Lengths of Plating	12 feet		10 feet	
Shifts of Plating, and Stringers	4		4	
Gunwale Plate on ends of Awning, Spar, or Upper Deck Beams, breadth and thickness	87	9/16	87	9/16
Angle Iron on ditto	4.4	9/16	4.4	9/16
Tie Plates fore and aft, outside Hatchways	16 1/2	9/16	16	9/16
Diagonal Tie Plates on Beams No. of Pairs	None		None	
Planksheer material and scantling	14 x 7		pine	awning deck's that
Waterways do. do.				
Flat of Upper Deck do. do.	4	pine	4	
How fastened to Beams	nuts and screw bolts			
Stringer Plate on ends of Main or Middle Deck Beams, breadth and thickness	42	10/16	49	10/16
Is the Stringer Plate attached to the outside plating?	Yes		Yes	or as per app'd section
Angle Irons on ditto, No. 2	4.4	9/16	4.4	9/16
Tie Plates, outside Hatchways				
Diagonal Tie Plates on Beams, No. of pairs	Iron deck			
Waterways materials and scantlings	Iron			
Flat of Middle Deck do. do.	9/16 Iron riveted to Beams		Iron	9/16
How fastened to Beams	to Beams			
Stringer Plates on ends of Lower Deck, Hold or Orlop Beams	42	9/16	42	9/16
Is the Stringer Plate attached to the outside plating?	Yes		Yes	
Angle Irons on ditto, No. 2	4.4	9/16	4.4	9/16
Stringer or Tie Plates, outside Hatchways	2 1/2	9/16	12 1/2	9/16
Flat of Lower Deck				
Ceiling betwixt Decks, thickness and material in hold do. do.	1 1/2	pine	2 1/2	2 Iron & pine
Main piece of Rudder, diameter at head do. at heel	7 3/4		7 3/4	
Can the Rudder be unshipped afloat?	3 3/4		3 3/4	
Bulkheads No. Thickness of Height up				



**Workmanship.** Are the butts of plating planed or otherwise fitted?

Do the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of deficiencies?

Are the fillings between the ribs and plates solid single pieces?

Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other?

Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces?

Do any rivets break into or through the seams or butts of the plating?

Masts, Bowsprit, Yards, &c., are \_\_\_\_\_ in \_\_\_\_\_ 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 \_\_\_\_\_

NUMBER for EQUIPMENT 33637		Fathoms.	Inches.	Test per Certificate.	Length & Size req'd pr Rule.	Test req'd per Rule.	ANCHORS.	N°.	Weight. Ex. Stock.	Test per Certificate.	W'ght req'd per Rule.	Test req'd per Rule.
N°.	SAILS.	CABLES, &c.	150	2	72 tons	2	Bowers	6482	39.0.0	35.2.2.0	38	34 1/20
	Fore Sails,	Chain	150	2	72---			6484	38.3.0	34.19.1.14		
	Fore Top Sails,	(State Machine where Tested, Date, & name of Superintendent.)						6483	32.2.2.1	30.12.3.7	32.1.6	30 7/20
	Fore Topmast Stay Sails	Chain	90	1 3/16	25 1/2	1 3/16						
	Main Sails,	Hawser ...	180	8		12						
	Main Top Sails,	Towlines ...	180	6		8						
	and	Warp ...	90	5			Stream	39	14.2.0	13.9.2.0	14 1/2	✓
	Standing and Running Rigging	quality good	90	4 1/2	90 of 3/4		Kedges	1	7.1.2	7.18.1.0	7 1/4	✓
			90	4	sufficient in size and			1	3.1.16	5.9.0.0	3 1/2	✓

The Windlass is \_\_\_\_\_ Capstan \_\_\_\_\_ and Rudder \_\_\_\_\_ Pumps \_\_\_\_\_

**Engine Room Skylights.**—How constructed? \_\_\_\_\_ How secured in ordinary weather? \_\_\_\_\_

What arrangements for deadlights in bad weather? \_\_\_\_\_

**Coal Bunker Openings.**—How constructed? \_\_\_\_\_ How are lids secured? \_\_\_\_\_ Height above deck? \_\_\_\_\_

**Scuppers, &c.**—What arrangements for clearing upper deck of water, in case of shipping a sea? \_\_\_\_\_

**Cargo Hatchways.**—How formed? \_\_\_\_\_

State size Main Hatch \_\_\_\_\_ Forehatch \_\_\_\_\_ Quarterhatch \_\_\_\_\_

If of extraordinary size, state how framed and secured? \_\_\_\_\_

What arrangement for shifting beams? \_\_\_\_\_

**Hatches,** If strong and efficient? \_\_\_\_\_

Order for Special Survey No.	Date	DATES of Surveys held while building as per Section 18.	1st.
			1st. On the several parts of the frame, when in place, and before the plating was wrought
Order for Ordinary Survey No. <td>Date <td rowspan="5"></td> <td>2nd. On the plating during the process of riveting</td> </td>	Date <td rowspan="5"></td> <td>2nd. On the plating during the process of riveting</td>		2nd. On the plating during the process of riveting
			3rd. When the beams were in and fastened, and before the decks were laid, ...
No.	in builder's yard.		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.) \_\_\_\_\_

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