

IRON SHIP.

Rec'd 12th April 1883

16428 Survey held at

Newcastle

Date, First Survey 14th July 1882

Last Survey 9 April 1883

1883

On the

Scm. Sr. "Malek"

TONNAGE under 1553.34
Ditto of Poop, or Raised Qr. Dk. 6.92

Ditto of Houses on Deck 60.52
Ditto of Forecastle 1620.81

Gross Tonnage 1620.81
Less Crew Space 44.96

Less Engine Room 518.66

Register Tonnage as cut on Beam 1054.19

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

Half Breadth (moulded) 17.10

Depth from upper part of Keel to top of Upper Deck Beams 18.9

Girth of Half Midship Frame (as per Rule) 31.9

1st Number 67.8

1st Number, if a 3-Decked Vessel deduct 7 feet

Length 248.5

2nd Number 168.48

Proportions— Breadths to Length 7.3

Depths to Length— Upper Deck to Keel 12.1

Main Deck ditto 13.1

Master J. W. Jones

Built at Newcastle

When built 1882 & 3 Launched 22 Feb 83

By whom built William Richardson & Co.

Owners Persia Gulf Steam Ship Co. Ltd.

Residence 1 Church Court, Clement's Lane, London

Port belonging to London

Destined Voyage Russia

If Surveyed while Building, Afloat, or in Dry Dock.

White building & afloat

LENGTH on deck as per Rule 248 5 BREADTH— Moulded 34 5 DEPTH top of Floors to Upper Deck Beams 17 3 Power of Engines 180 No. of Decks with flat laid 2 No. of Tiers of Beams 3

Dimensions of Ship per Register, length, 251 breadth, 34.35 depth, 24.3

KEEL, depth and thickness 9 x 2 1/2

TEM, moulding and thickness 8 1/2 x 2 1/2

STERN-POST for Rudder do. do. 8 1/2 x 5

" " for Propeller 8 1/2 x 5

Distance of Frames from moulding edge to moulding edge, all fore and aft 24

FRAMES, Angle Iron, for 1/2 length amidships 4 3 7

Do. for 1/2 at each end 4 3 6

REVERSED FRAMES, Angle Iron 5 3 6

FLOORS, depth and thickness of Floor Plate at mid line for half length amidships 10 1/2 x 8

thickness at the ends of vessel 10 1/2 x 7

depth at 3/4 the half-bdth. as per Rule 10 1/2 x 7

height extended at the Bilges 41

BEAMS, Upper, Spar, or Awning Deck Single or double Angle Iron, Plate or Tee Bulb Iron 6 1/2 x 6

Single or double Angle Iron on Upper edge 5 2 3/4 5

Average space 48

BEAMS, Main, or Middle Deck Single or double Angle Iron, Plate or Tee Bulb Iron 5 1/2 x 8

Single, or double Angle Iron, on Upper Edge 5 1/2 x 8

Average space 24

BEAMS, Lower Deck Single or double Angle Iron, Plate or Tee Bulb Iron 8 1/2 x 8

double Angle Iron on Upper Edge 3 3 7

ge space 22 per plan

INS Centre line, single or double plate, box, or Intercoastal, Plates 17 x 12

ider Plate 10 1/2 x 12

all Plate to Intercoastal Keelson 5 4 9

ngle Irons 5 4 9

ouble Angle Iron Side Keelson 5 4 9

de Intercoastal Plate 8

do. Angle Irons 3 3 7

atched to outside plating with angle iron 5 4 9

ngle Irons 8 x 8

o. Bulb Iron 8 x 8

Intercoastal plates riveted to plating for length 5 4 9

TRINGER Angle Irons 5 4 9

arcoastal plates riveted to plating for 1/2 length 8

INGER Angle Irons 5 4 9

ES extend in one length from Keel to Gunwale

REVERSED ANGLE IRONS on floors and frames extend across middle line to Main deck stringer A. 2 and to Spar ditto alternately

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

PLATING. Garboard, double riveted to Keel, with rivets 1 1/8 in. diameter, averaging 5 1/2 ins. from centre to centre.

Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 7/8 in. diameter, averaging 3 3/8 ins. from centre to centre.

Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 7/8 in. diameter averaging 1 1/2 ins. from centre to centre.

Butts of Strakes at Bilge for 1/2 length, treble riveted with Butt Straps 7/8 thicker than the plates they connect.

Edges from Bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets 7/8 in. diameter, averaging 1 3/8 ins. from cr. to cr.

Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 7/8 in. diameter, averaging 1 1/2 ins. from cr. to cr.

Edges of Main Sheerstrake, double or single riveted. Upper Sheerstrake, double or single riveted.

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

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

Breadth of laps of plating in double riveting 5 1/2 Breadth of laps of plating in single riveting 5

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? as per rule No. of Breasthooks, 6 Crutches, 4 & 3 transoms

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

Manufacturer's name or trade mark. Middlesbrough Iron Works - Hornsby & Co. & Plate. West Stockton Iron Co. & Moor Iron Works

The above is a correct description.

Builder's Signature, William Richardson

Flat Keel Plates, breadth and thickness ...

PLATES in Garboard Strakes, br'dth & thickness 36 11 36 11

" From Garboard to upper part of Bilges ... 10 10

" Of d'bling at Bilge, or increased thickness, and length applied

" From up. prt of Bilge to l. edge of Sh'rstrake ... 10 10

" Main Sheerstrake, breadth and thickness ... 40 12 40 12

" Of d'bling at Sh'stk. & lng. applied 3/5 20 8 20 8

" From M'n. to Up. or Spar Dk. Sh'rstrake ... 8 8

" Up. or Spar Dk Sh'rstrake, br'dth & thicken'ss ... 40 10 40 10

Butt Straps to outside plating, breadth & thickness 11 1/2 x 1 1/8 8 x 1 1/8

Lengths of Plating 144 120

Shifts of Plating, and Stringers 48 148

Gunwale Plate on ends of Awning, Spar, or Upper Deck Beams, breadth and thickness ... 42 8 42 8

Angle Iron on ditto 4 x 4 x 9 4 x 4 x 9

Tie Plates fore and aft, outside Hatchways 24 8 12 8

Diagonal Tie Plates on Beams No. of Pairs

Flat of Up., Spar, or Awning Dk. 3 1/2 3 1/2

How fastened to Beams galvanized iron screw bolts & nuts

Stringer Plate on ends of Main or Middle Deck Beams, breadth and thickness 35 1/2 10 35 1/2 10

Is the Stringer Plate attached to the outside plating? Yes

Angle Irons on ditto, No. 2 4 x 4 x 9 4 x 4 x 9

Tie Plates, outside Hatchways ... 4 x 4 x 9

Diagonal Tie Plates on Beams, No. of pairs

Flat of Middle Deck* do. do. whole iron 6 6

How fastened to Beams Riveted

Stringer Plates on ends of Lower Deck, Hold or Orlop Beams ... 31 9 31 9

Is the Stringer Plate attached to the outside plating? Yes

Angle Irons on ditto, No. 2 4 x 4 x 9 4 x 4 x 9

Stringer or Tie Plates, outside Hatchways

Flat of Lower Deck*

Ceiling betwixt Decks, thickness and material 2 1/2 2 1/2

" in hold do. do. 2 1/2 2 1/2

Main piece of Rudder, diameter at head 6 1/4 6 1/4

do. at heel 3 1/2 3 1/2

Can the Rudder be unshipped afloat? Yes

Bulkheads No. 4 No. per Rule 4

" Thickness of 6 1/8

" Height up one to spar, two to main & one to lower deck

" How secured to sides of ship Bolted double frames

" Size of Vertical Angle Irons 3 x 3 x 6 1/8 and distance apart 30 ins.

" Are the outside Plates doubled two spaces of Frames in length? Yes

Riveted through plates with 1/8 in. Rivets, about 6 1/4 apart.

And butts properly shifted? Yes

Surveyor's Signature, J. W. Jones

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

ROBT. EDMD. TAYLOR & SON, Commercial and General Steam Printers, 19, Old Street, Goswell Road, E.C., London.

Form No. 1 for a ship

Official Number 8048

State clearly where plating is of alternate thicknesses as distinguished from diminished thickness of ends of vessel.

* If Iron Deck, state if whole or part, and if wood deck is laid thereon.

Report recd 11/4/83 sent to Gen. 11/4/83

NW 385-0020

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 of *Iron* & 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 Masts and Bowsprit are constructed, showing the number of Plates and Angle Irons, mode of riveting, quality of Material, and if stamped with Maker's name.

State also Length and Diameter of Lower Masts and Bowsprit *Iron Masts. Total length of Mainmast 105 feet; 2d Fore Mast 114 feet; Masts 20 1/2" dia. Length of plates 10" 9" by 1/16 to 5/16 in thickness; Seams double rivetted, and Butts treble rivetted. Makers of Iron, Johnson & Reay*

NUMBER for EQUIPMENT 20451		Fathoms.	Inches.	Test per Certificate.	Inches per Rule.	Machine where Tested & Suprntd.	ANCHORS.	N ^o .	Weight. Ex. Stock.	Test per Certificate.	W'ght req'd per Rule.	Machine where Tested & Suprntd.	
SAILS.													
CABLES, &c.													
Fore Sails,	Chain	270	1 1/16	71 3/4	270	1 1/16	Bower Anchors <small>(State Machine where Tested, Date, or No. of Certificate, & Name of Superintendent.)</small>	1	27-2-21	26-17-3-7	27-3-0	Marked 4.7.4-4.11. signed Robert Bunell	
	(State Machine where Tested, Date, or No. of Certificate, & Name of Superintendent.)												
Fore Top Sails,	Iron Stream Chain	75	1 1/16	30 4/10	75		1	28-0-14	27-4-3-14				
Fore Topmast Stay Sails,	or Steel Wire ..						1	23-3-14	23-15-2-14	23-2-0			
	or Hempen Strm Cable												
Main Sails,	Towline, Hemp.	90	9		90-9		Stream Anchor	1	8-3-0	10-17-2-0	8-3-0	Marked 4.7.4-4.11. signed Robert Bunell	
	or Steel Wire ..	90	3 1/2	Steel tested as per test	90-11 1/2								
Main Top Sails,	Hawser	90	7		90-7		Kedge	1	4-2-21	7-1-1-0	4-2-0		
	Warp	180	5		180-5		2nd Kedge	1	2-1-7	4-7-2-0	2-1-0		
and		180	4										
quality good		120	3										

The Windlass is *good* Capstan *good* and Rudder *good* Pumps *Metal & good*

Engine Room Skylights.—How constructed? *On Bridge deck* How secured in ordinary weather? *with thumb screws*

What arrangements for deadlights in bad weather? *Solid Lead shutter & thick circular glass*

Coal Bunker Openings.—How constructed? *Hatch on Bridge deck* How are lids secured? *Solid latches* Height above deck? *16 ins*

Scuppers, &c.—What arrangements for clearing upper deck of water, in case of shipping a sea? *7 Ports & 6 Scuppers on each side*

Cargo Hatchways.—How formed? *Iron plate comings and Headedges*

State size Main Hatch *22' 0" x 11' 0"* Forehatch *22' 0" x 11' 0"* Quarterhatch *12' 0" x 11' 0"*

If of extraordinary size, state how framed and secured?

What arrangement for shifting beams? *Deep keel plates*

Hatches, If strong and efficient? *3 ins solid*

Order for Special Survey No. <i>1675</i>	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	1882 July 14. 25. Aug 2. 4. 8. 11. 14. 18. 22. 24. 31. Sep 4. 7.
Date <i>1st July 1882</i>		2nd. On the plating during the process of riveting	20. 23. Oct 2. 4. 7. 10. 17. 18. 21. 24. 26. 31. Nov 3. 6.
Order for Ordinary Survey No. <i>148</i>		3rd. When the beams were in and fastened, and before the decks were laid, ...	9. 13. 20. 23. 27. Dec 7. 12. 20. 21. 26.
Date <i>1st July 1882</i>		4th. When the ship was complete, and before the plating was finally coated or cemented..	1883 Jan 6. 8. 18. 26. 29. 31. Feb 5. 13. 15. 20. 21. 24. 28. Mar.
No. <i>148</i> in builder's yard.		5th. After the ship was launched and equipped	19. 14. 19. 28. Apr 5-9

General Remarks (State quality of workmanship, &c.) *This is a spar decked vessel built in accordance with the accompanying tracings and in other respects in conformity with the Rules and the Secretary's letters dated the 29th June & 28th July 1882. The workmanship is good.*

The Ballast tanks have been tested to a Head of water not less than the height of the load line and proved very satisfactory. She has an open Bridge deck about 45 feet in length

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

How are the surfaces preserved from oxidation? Inside *Portland cement to upper turn* Outside *3 Coats of paint*

I am of opinion this Vessel should be Classed *100 A.I. of Ridges and paint above*

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

Special ... £ 64 : 6 : - *9th Apl 1883*

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

(Travelling Expenses, if any, £ - - -)

Committee's Minute *Friday, 13th April, 1883.*

Character assigned *TRW 100 A.I. L.A.B.C.P. 1st Iron Spar Deck*

James Sibun
Surveyor to Lloyd's Register of British and Foreign Shipping

Lloyd's Register Foundation