

IRON SHIP.

No. 14003 Survey held at Glasgow Date, First Survey 20 August Last Survey 27 March 1875

On the S.S. "RAJANATTIANUHAR" (SCHOONER) Master Geo Hopkins

TONNAGE under Tonnage Deck 1216.22 ONE, OR TWO DECKED, THREE DECKED VESSEL.
 Ditto of Third, Spar, or Awning Deck. 3 SPAR, OR AWNING-DECKED VESSEL.
 Ditto of Prop. or Rudder Deck. 3
 Ditto of Houses on Deck 87.72 GIRTH of Half Midship Frame (as per Rule) 26.5
 Ditto of Portacole 1303.94 1st NUMBER 56.9
 Gross Tonnage 1303.94 1st NUMBER, if a THREE-DECKED VESSEL [deduct 7 feet]
 Less Crew Space 94.18 LENGTH 243.7
 Less Engine Room 276.1 2nd NUMBER 13.826
 Register Tonnage 933.15 PROPORTIONS—Breadths to Length UNDER 8
 as cut on Beam 933.15 Depths to Length—Upper Deck to Keel 16
 Main Deck ditto OVER 16

Built at Glasgow
 When built 1875 Launched 12 February
 By whom built John Elder & Co
 Owners D. R. Mc Gregor & Co
 Port belonging to Leith
 Destined Voyage Shanghai
 If Surveyed while Building, Afloat, or in Dry Dock.
While building special survey

LENGTH on deck as per Rule 243 BREADTH—Moulded... 31 DEPTH top of Floors to Upper Deck Beams 13 Power of Engines 175 No. of Decks with flat laid TWO
 Do. do. Main Deck Beams 6 No. of Tiers of Beams THREE

Dimensions of Ship per Register, length, 243.7 breadth, 31.9 depth, 20.95.

	Inches in Ship.	Inches per Rule.		Inches in Ship.	Inches per Rule.		Inches in Ship.	Inches per Rule.		Inches in Ship.	Inches per Rule.
KEEL, depth and thickness	7 x 2 1/2	8 x 2 3/8	PLATES in Garboard Strakes, breadth and thickness from Garboard to upper part of Bilges of doubling at Bilge, or increased thickness, and length applied	36 1/2 x 9/16	30 x 9/16						
STEM, moulding and thickness	7 x 2 1/2	7 1/4 x 2 3/8	fm up. part of Bilge to Ir. edge of Sh'rstrake	8/16	8/16						
STERN-POST for Rudder do. do.	8 x 5	3 7/4 x 4 3/4	Main Sheerstrake, breadth and thickness of d'bling at Sh'rstrake, & length applied from Mn. to Up. or Spar Dk. Sh'rstrake.	40 x 1 1/16	36 x 1 1/16						
for Propeller	8 x 4 1/2	28 in	Up. or Spar Dk Sh'rstrake, brdth & thickness	40 x 9/16	36 x 9/16						
Distance of Frames from moulding edge to moulding edge, all fore and aft	23 in	(Class 90 A)	Butt Straps to outside plating, breadth & thickness	10 x 1/2	8 x 1/2						
FRAMES, Angle Iron, for 1/2 length amidships	3 1/2 x 3	4 1/2 x 3	Lengths of Plating	5 x SPACES	FIVE SPACES						
Do. for 1/2 at each end	3 1/2 x 3	5 1/2 x 3	Shifts of Plating, and Stringers	TWO SPACES	TWO						
REVERSED FRAMES, Angle Iron	2 1/2 x 2 1/2	5 1/2 x 2 1/2	Gunwale Plate on ends of Awning Spar, or Upper Deck Beams, breadth and thickness	34 x 7/16	34 x 7/16						
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships	16	7/16	Angle Iron on ditto	3 1/2 x 3 1/2 x 7/16	3 1/2 x 3 1/2 x 7/16						
thickness at the ends of vessel	x	4/16	Tie Plates fore and aft, outside Hatchways	11 x 7/16	11 x 7/16						
depth at 3/4 the half-bdth. as per Rule	AS PER SECTION		Diagonal Tie Plates on Beams No. of Pairs	11 x 7/16	11 x 7/16						
height extended at the Bilges	TWICE DEPTH		Planksheer material and scantling	3 1/2 x 4	3 1/2 x 4						
BEAMS, Upper, Spar, or Awning Deck	5 1/2 x 5/16	5 1/2 x 5/16	Waterways do. do.	3 1/2 x 4	3 1/2 x 4						
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	2 1/4 x 2 1/4	4/16	Flat of Upper Deck do. do.	3	3						
Single or double Angle Iron on Upper edge	46 in	46 in	How fastened to Beams	gal. iron bolts	gal. iron bolts						
Average space	46 in	46 in	Stringer Plate on ends of Main or Middle Deck	45 x 9/16	34 x 1 1/16						
BEAMS, Main, or Middle Deck	7 1/2 x 7/16	7 1/2 x 7/16	Beams, breadth and thickness	YES	YES						
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	3 x 2 1/2	5/16	Is the Stringer Plate attached to the outside plating?	YES	YES						
Single or double Angle Iron on Upper Edge	20 feet	20 feet	Angle Irons on ditto, No. 2	3 1/2 x 3 1/2 x 8/16	3 1/2 x 3 1/2 x 8/16						
Average space	20 feet	20 feet	Tie Plates, outside Hatchways	11 x 9/16	11 x 9/16						
KEELSONS Centre line, single or double plate, box, or intercostal, Plates	13 1/2 x 1 1/16	13 1/2 x 1 1/16	Diagonal Tie Plates on Beams, No. of pairs	11 x 9/16	11 x 9/16						
" Rider Plate	11 x 9/16	11 x 9/16	Waterways materials and scantlings	12 x 4 p. pine	12 x 4 p. pine						
" Bulb Plate to intercostal Keelson	5 x 3 1/2	7/16	Flat of Middle Deck do. do.	3 1/2 p. pine	3 1/2 p. pine						
" Angle Irons	5 x 3 1/2	7/16	How fastened to Beams	gal. iron bolts	gal. iron bolts						
" Double Angle Iron Side Keelson	5 x 3 1/2	7/16	Stringer Plates on ends of Lower Deck, Hold or Orlop Beams	21 1/2 x 7/16	21 1/2 x 7/16						
" Side intercostal Plate	5 x 3 1/2	7/16	Is the Stringer Plate attached to the outside plating?	YES	YES						
" do. Angle Irons	5 x 3 1/2	7/16	Angle Irons on ditto, No. 2	3 1/2 x 3 1/2 x 8/16	3 1/2 x 3 1/2 x 8/16						
" Attached to outside plating with angle iron	3 x 3	7/16	Stringer or Tie Plates, outside Hatchways	11 x 9/16	11 x 9/16						
BILGE Angle Irons	5 x 3 1/2	7/16	Flat of Lower Deck	3 1/2 p. pine	3 1/2 p. pine						
" do. Bulb Iron	9 x 7/16	9 x 7/16	Ceiling betwixt Decks, thickness and material	Batten space	Batten space						
" do. Intercostal plates riveted to plating for 3/5 length	x	4/16	in hold do. do.	2 1/2 x 1 1/2	2 1/2 x 1 1/2						
BILGE STRINGER Angle Irons	9 x 7/16	9 x 7/16	Main piece of Rudder, diameter at head	5 1/4	5 1/4						
Intercostal plates riveted to plating for length	x	4/16	do. at heel	3	3						
SIDE STRINGER Angle Irons	5 x 3 1/2	7/16	Can the Rudder be unshipped afloat?	yes	yes						

Transoms, material. Knight-heads. Hawse Timbers. Iron plates & Lark
 Windlass Baxters patent Pall Bitt —

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

The REVERSED ANGLE IRONS on floors and frames extend across middle line to above lower Sh'rstrake and to Main deck 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 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 1/4 ins. from centre to centre.

Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 3/4 in. diameter averaging 3 1/4 ins. from centre to centre.

Butts of Sh'r Strakes at Bilge for half 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 1/4 ins. from cr. to cr.

Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 3/4 in. diameter, averaging 3 1/4 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 half length amidships. Butts of Upper or Spar Sheerstrake, treble riveted half length amidships.

Butts of Main Stringer Plate, treble riveted for half length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for half length.

Breadth of laps of plating in double riveting 4 1/2 Breadth of laps of plating in single riveting 2 3/4

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? Double and Single as per rule

Waterway, how secured to Beams Bolts & Stringers (Explain by Sketch, if necessary.)

Beams of the various Decks, how secured to the sides? Beam knees Riveted to frames No. of Breasthooks, 4 Crutches, 3

What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? angle iron. "C" & "L"

Manufacturer's name or trade mark, Plates. Corsett.

The above is a correct description.

Builder's Signature, John Elder & Co Surveyor's Signature, James Dundie

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

Masts, Bowsprit, Yards, &c., are _____ 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 _____ 14170 lb

This vessel appears to
to be classed as recommended
by 90 A-1. Span deck
1 DK and Span 84.
3 I of B.