Steel [redacted] SHIP. 28 Feet

No. 4925 Survey held at Hull Date, First Survey 6th Nov. 99 Last Survey 24th Oct. 1855

On the Steel S.S. "Assyrian Monarch" Master W. H. Nettleton

TONNAGE under Tonnage Deck	1995.45	ONE, OR TWO DECKED, THREE DECKED VESSEL. SPAR, OR AWNING-DECKED VESSEL.	Built at Hull
Ditto of Third, Spar, or Awning Deck	987.49	HALF BREADTH (moulded) ... Feet. 21.25	When built 1899 Launched 15th Sept.
Ditto of Poop, or Raised Qr. Dk.	298.24	DEPTH from upper part of Keel to top of Upper Deck Beams 28.25	By whom built Earle's Co.
Ditto of Houses on Deck	330.34	GIRTH of Half Midship Frame (as per Rule) ... 45.00	Owners Royal Exchange Assurance
Ditto of ~~Forecastle~~ Stow	3.10	1st NUMBER ...	Port belonging to London
Gross Tonnage	3316.68	1st NUMBER, if a THREE-DECKED VESSEL 94.50 [deduct 7 feet 84.50	Destined Voyage New York
Less Crew Space	91.61	LENGTH ... 358.25	If Surveyed while Building, Afloat, or in Dry Dock.
Less Engine Room	1061.34	2nd NUMBER ... 21546	While building and afloat
Register Tonnage as cut on Beam	2163.73	PROPORTIONS—Breadths to Length ... 8.4	
		Depths to Length—Upper Deck to Keel ... 12.4	
		Main Deck ditto ... 17.7	

Official Number

LENGTH on deck as per Rule 358 Feet. 3 Inches. | **BREADTH**— Moulded... 42 Feet. 6 Inches. | **DEPTH** top of Floors to Upper Deck Beams ... / Do. do. ~~Main Deck Beams~~ ... 25 Feet. 25 Inches. | Power of Engines ... 500 Horse. | N°. of Decks with flat laid 1 | N°. of Tiers of Beams None

Dimensions of Ship per Register, length 350.25 breadth 42.4 depth, 17.2 & 25.25

	Inches in Ship			Inches per Rule		
KEEL, depth and thickness (2 Bar Bars)	11 × 13/16			11 × 13/16		
STEM, moulding and thickness... Iron	11 × 3			11 × 3		
STERN-POST for Rudder do. do. Iron	11 × 6			11 × 6		
" " for Propeller ... ... " ...	11 × 6			11 × 6		
Distance of Frames from moulding edge to moulding edge, all fore and aft ...	24 inches			24" (Class 100 A.1)		
	Inches. In Ship.	Inches. In Ship	16ths In Ship	Inches per Rule	Inches per Rule	16ths per Rule
FRAMES, Angle Iron, for ⅗ length amidships ...	3½	3½	13/32	3½	3½	13/32
Do. for ⅕ at each end			11/32			11/32
REVERSED FRAMES, Angle Iron	3½	3½	13/32	3½	3½	13/32
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships ...	36	×	13/32	36	×	13/32
" thickness at the ends of vessel ...	and as approved			as per Lect. approved		
" depth at ¾ the half-bdth. as per Rule						
" height extended at the Bilges... ...						
Upper, ~~Spar, or Awning~~ Deck ~~d'ble Ang. Iron~~, Plate ~~or Tee~~ Bulb ~~Iron~~	8	×	13/32	Bulb 8	×	13/32 Bulb 6
Single ~~or double~~ Angle ~~Iron~~ on Upper edge ...	3½	3	5/16	3½	3	5/16
Average space 2 feet. All single angles	3	3	13/32	3	3	13/32
BEAMS, Main, or Middle Deck ... ... Single ~~or d'ble~~ Ang. ~~Iron, Plate or Tee~~ Bulb ~~Iron~~	9	15/32	Bulb 6	9 ×	15/32	Bulb 6
Single, ~~or double~~ Angle ~~Iron~~ on Upper Edge ...	3	3	5/16	3	3	5/16
Average space 2 feet. All single angles	3	3	15/32	3	3	15/32
BEAMS, ~~Lower Deck, Hold, or Orlop~~ Single ~~or d'ble Ang. Iron~~, Plate ~~or Tee Bulb Iron~~	10	9/16	Bulb 6	10	9/16	Bulb 6
~~Single or~~ double Angle ~~Iron~~ on Upper Edge ...	3½	3½	7/16	3½	3½	7/16
Average space. 4 feet. through ...						
KEELSONS Centre line, single ~~or double~~ plate, ~~bar, or Intercostal Plates~~	47	×	9/16	47	×	9/16
" Rider Plate or Centre flat plate ...	48	×	9/16	48	×	9/16
" ~~Bulb Plate to Intercostal Keelson~~						
" Angle ~~Irons~~ Cleats	4	4	8/16	4	4	8/16
" ~~Double Angle Iron Side Keelson~~						
" Side ~~Intercostal Plates~~ Longitudinals			13/32			13/32
" do. Angles ~~Irons~~	3½	3½	13/32	3½	3½	13/32
" Attached to outside plating with angles ~~irons~~	3½	3½	13/32	3½	3½	13/32
BILGE ~~Angle Irons~~ Flange plate ...	24	×	13/32	24	×	13/32
" ~~do. Bulb Iron~~ ... Angles ...	4	4	7/16	4	4	7/16
" ~~do. Intercostal plates riveted to plating for length~~						
~~**BILGE STRINGER** Angle Irons~~ ... ... ~~Intercostal plates riveted to plating for length~~						
~~**SIDE STRINGER** Angle Irons~~						

	Inches. In Ship.	16ths. In Ship.	Inches. per Rule	16ths per Rule
~~Flat Keel Plates, breadth and thickness~~	35	21 to 19	36	21 to 19
PLATES in Garboard Strakes, breadth and thickness from Garboard to upper part of Bilges		32 / 18 to 15		32 / 18 to 15
" of doubling at Bilge, or increased thickness, and length applied ~~Bilge~~	11/16	32 to 15/32	11/16	32 to 15/32
" fm up. part of Bilge to lr. edge of Sh'rstrake.	15/16	19/16 to 15/32	15/16	19/16 to 15/32
" ~~Main Sheerstrake, breadth and thickness of d'bling at Sh'rstrake, & length applied from Mn. to Upr. or Spar Dk. Sh'rstrake~~				
" Up. ~~or Spar~~ Dk Sh'rstrake, brdth & thickns	40	13/16	40	13/16
Butt Straps to outside plating, breadth & thickness	19 to 10	14/16 to 9/16	19 to 10	14/16 to 9/16
Lengths of Plating	14 feet		12 feet	
Shifts of Plating, and Stringers...	4 feet		4 feet	
Gunwale Plate ~~on ends of Awning, Spar, or~~ Upper Deck Beams, breadth and thickness...	51	15/32	51½	15/32
Angles ~~Irons~~ on ditto	4 × 4	15/32	4 × 4	15/32
~~Tie Plates fore and aft, outside Hatchways~~ Steel	5/16	do.	Steel	5/16
~~Diagonal Tie~~ Plates on Beams ~~No. of Pairs~~	all fore & aft		all fore & aft	
~~Planksheer material and scantling~~				
Waterways do. do. Teak	Waterways			
Flat of Upper Deck do. do. 2¼	2¼		2¼	
How fastened to Beams Galv. Iron bolts	and screws		and screws	
Stringer Plate on ends of Main or Middle Deck Beams, breadth and thickness	51	5/16	51½	5/16
Is the Stringer Plate attached to the outside plating?	Yes		Yes	
Angle Irons on ditto, No. 2	4 × 4	15/32	4 × 4	15/32
~~Tie Plates, outside Hatchways~~	Steel	5/16	Steel	5/16
~~Diagonal Tie~~ Plates on Beams, ~~No. of pairs~~	all fore & aft		all fore & aft	
~~Waterways material and scantlings~~				
Flat of Middle Deck do. do. 2¼	2¼		2¼	
How fastened to Beams Galv. Iron bolts	and screws		and screws	
Stringer Plates on ends of ~~Lower Deck~~, Hold or Orlop Beams	45	15/32	45	15/32
Is the Stringer Plate attached to the outside plating?	Yes		Yes	
Angle Irons on ditto, No. 2	4 × 4	15/32	4 × 4	15/32
~~Stringer or Tie Plates, outside Hatchways~~				
Flat of Lower Deck Iron and Wood fastened			—	—
Ceiling betwixt Decks, thickness and material...	Battens and Iron			
" in hold do. do. ...	2½	6	2½	
Main piece of Rudder, diameter at head	8½		8½	
do. at heel ...	4½		4½	
Can the Rudder be unshipped afloat?	Yes		Yes	
Bulkheads No. 6 Thickness of	Steel	5/16		5/16
" Height up to Upper and Main decks				
" How secured to sides of ship	by angles, double riveted			
" Size of Vertical Angle Irons	3½ × 3½ × 13/32	and distance apart	2½	ins.
" Are the outside Plates doubled two spaces of Frames in length?	Yes			

Transoms, material. Steel Knight-heads. Hawse Timbers. Steel

Windlass Iron patent steam Pall Bitt —

The **FRAMES** extend in one length from Bilge to Bilge & Bilge to Gunwale Riveted through plates with ⅞ in. Rivets, about 4 apart.

The **REVERSED ANGLE IRONS** on floors and frames extend from middle line to main deck and to Upper deck 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 7/8 in. diameter, averaging 5½ ins. from centre to centre.

" **Edges of Garboards** and to upper part of Bilge, worked clencher, double riveted; with rivets ⅞ in. diameter, averaging 4½

" **Butts from Keel to turn of Bilge,** worked carvel, double riveted; with rivets ⅞ in. diameter averaging 4½

" **Butts** of 3 Strakes at Bilge for half length, treble riveted with Butt Straps ⅞ thicker than the plates they co

" **Edges from bilge to ~~Main~~ Sheerstrake,** worked clencher, double ~~or single~~ riveted; with rivets ⅞ in. diameter, averaging 3

" **Butts from Bilge to ~~Main~~ Sheerstrake,** worked carvel, double riveted; with rivets ⅞ in. diameter, averaging 3

" ~~**Edges of Main Sheerstrake,** double or single riveted.~~ **Upper Sheerstrake,** double & single riveted.

" ~~**Butts of Main Sheerstrake,** treble riveted for length amidships.~~ Butts of Upper ~~or Spar~~ Sheerstrake, treble riveted

" **Butts of Main Stringer Plate,** treble riveted for ½ length amidships. **Butts of Upper ~~or Spar~~ Stringer Plate,** treble riveted

" Breadth of laps of plating in double riveting 5½ Breadth of laps of plating in single riveting —

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? Treble and double

Waterway, how secured to Beams — (*Explain by Sketch, if necessary.*)

Beams of the various Decks, how secured to the sides? Fused and Riveted No. of Breasthooks, 5 Yes Cr.

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

Manufacturer's name or trade mark, "Wallside, Sandon" Fused Sandon

The above is a correct description.

Builder's Signature, H. S. Broadwick *Surveyor's Signature,* [illegible]

Surveyor to Lloyd's Register of British and F

IRON495 - 0625

© 2019 Lloyd's Register Foundation

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

28153 Iron

Masts, Bowsprit, Yards, &c., are Steel 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 Fore and Main Cole Masts as per approved sketch 12" Fitch & diam. Main Top Mast 20" dia. Plates 5/16 to 2/16. Mizen Mast 24" dia. Plates 5/16 to 2/16. Mizen Top Mast 20" dia. Plates 5/16 to 2/16. Rivets & two plates, seam straps double riveted butts treble riveted and 1/16 thicker than the plates. Fore Yards 14" dia. Plates 4/16 to 2/16. Topsail Yards 30 & 12" dia. Plates 4/16 to 2/16. Rivets & two plates, seams single riveted & butts treble riveted.

NUMBER for EQUIPMENT 1928

SAILS.	No.	CABLES, &c. (State Machine where Tested, Date, & name of Superintdt.)	Fathoms.	Inches.	Test per Certificate.	Length & Size req'd pr Rule.	Test req'd per Rule.
Fore Sails,		Chain	300	2 1/16	45 5/20 & 10 4/20	300	45 5/20 & 10 4/20
Fore Top Sails,						2 1/16"	10 4/20
Fore Topmast Stay Sails		Hawser	90	1 3/16	25 38/28	90	25 38/28
Main Sails,		Towlines	120	10		90	10"
Main Top Sails,		Warp	120	12		120	12
and		quality	120	9"	120	90	9"

Chain Cables Tested at Messrs Cammell & Co's Cyclops Works

Hawser, Towlines & Warp Tested at Messrs Ropner & Sons Stockton

ANCHORS.	No.	Weight. Ex. Stock.	Test per Certificate	Wght req'd per Rule.	Test req'd per Rule.
Bowers	3	40 1 14	36 14 2 27	40	35 15/20
		39 3 0	35 11 3 14	40	35 15/20
		33 2 4	31 6 3 14	34	31 13/20
Stream	1	12 0 0	13 17 2 0	12 0 0	13 17/20
Kedges	2	6 0 0	8 5 0 0	6 0 0	8 5/20
		3 0 0	5 14 1 14	3 0 0	5 10/20

Chain Cables Tested at Messrs Ropner & Sons Stockton

Standing and Running Rigging New & Hemp sufficient in size and Good in quality. She has 2 Boats Lifeboat and four others

The Windlass is Good Capstan Good and Rudder Good Pumps Good

Engine Room Skylights.—How constructed? Iron Coamings &c How secured in ordinary weather? —"—

What arrangements for deadlights in bad weather? Bulls eye dead lights fitted in solid hinged top

Coal Bunker Openings.—How constructed? Iron How are lids secured? Locked &c Height above deck? flush

Scuppers, &c.—What arrangements for clearing upper deck of water, in case of shipping a sea? 16 pairing ports 21" x 15", and 9 scuppers on each side

Cargo Hatchways.—How formed? Iron Coamings

State size **Main Hatch** 24' x 10' Forehatch 12' x 10 Quarterhatch 24 x 10 & 8 x 8

If of extraordinary size, state how framed and secured? —"—

What arrangement for shifting beams? One deep plate Beams in each large hatchway

Hatches, If strong and efficient? Yes

Order for Special Survey No. 19

Date 20th Oct 1880

~~Order for Ordinary Survey No.~~

~~Date~~

No. 204 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: 8th Nov. 5, 14, 18, 22, 24, 8 Dec. 2, 8, 14, 16, 20, 23, 27 and 31.

2nd. On the plating during the process of riveting: 1886 – Jan. 3, 6, 9, 14, 17, 21, 27, 29 Feb. 2, 5, 9, 12, 21, 25.

3rd. When the beams were in and fastened, and before the decks were laid: March 4, 10, 12, 17, 19, 30, Apl. 6, 9, 13, 19, 24, 27, 29, March 3

4th. When the ship was complete, and before the plating was finally coated or cemented: 4, 11, 13, 18, 21, 29 June 2, 5, 16, 21, 25, 28, 30, July 1, 3, 6, 9, 13, 22

5th. After the ship was launched and equipped: 24, 30 Sept. 6, 10, 14, 20, 31, Sept. 1, 7, 9, 14, 17, 22, 24, 27, 30

General Remarks (State quality of workmanship, &c.) This vessel has been built of steel with the exception of the Cisels, Hatch Coamings, Iron pillars, Coal bunkers, shaft tunnel, main bulkhead, iron in Boiler heaters & casing, plating of lower deck aft, and beams on shelter deck, which are of Iron in accordance with the approved sections and plans, and in other respects with the Rules for the 100 A. 1. Class. The steel has been tested in the Builder's yard and has complied with the requirements of the Rules. The sheer strake, strength strake, garboard strakes, and the whole of the butt straps exceeding 3/16 have been annealed after flanging, and the workmanship throughout is good.

The load line referred to in the Secretary's letter of 15th April 80 has not been marked on the vessel's side, the Owners having objected to same, as their sister vessel building by Mess.rs McMillan at Sunderland was not to be marked.

The shelter deck is constructed of steel, scantlings as per approved plans, herewith forwarded with the Report.

~~decked vessel, or if spar, or awning decked; add the lengths of poop, forecastle, or raised quarter deck, and the length of double, or part double bottom,~~ with Shelter Deck 300'

preserved from oxidation? Inside Cement and Paint Outside Paint

Vessel should be Classed 100 A.1. "Shelter-Decked-Barge" with Shelter deck.

Survey Fee ... ...£ 5 : " : " is received by me, W. McN

Special ✗ } £ 107 : 18 : 6 20th Oct 1880

Certificate ✗ ... " : " : "

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

...ee's Minute Tuesday, October, 26th 1880.

...assigned 100 A 1 Steel

No. MC 10.80 Lloyd's A 1 Steel

SRM & DR 14 & 15

© 2019 Lloyd's Register Foundation