

18770

al Number

as of Ship per Register, length, 244.6 breadth, 37.4 depth, 21.65

Flat Keel Plates, breadth and thickness...	36	11	36	11
PLATES in Garboard Strakes, breadth and thickness from Garboard to upper part of Bilges of double at Bilge, on increased thickness, and length applied ...	—	10	—	10
fm up. part of Bilge to lr. edge of Sh'rstrake	30 strakes	11	30 strakes	11
Main Sheerstrake, breadth and thickness of d'bling at Sh'rstrake, & length applied from Mn. to Upr. or Spar Dk. Sh'rstrake.	—	10	—	10
Up. or Spar Dk Sh'rstrake, brdth & thickness	40	12	40	12
Butt Straps to outside plating, breadth & thickness	—	—	—	—
Lengths of Plating ...	11 1/2 x 10 1/2	16 1/2 x 16 1/2	11 1/2 x 10 1/2	16 1/2 x 16 1/2
Shifts of Plating, and Stringers...	6 spaces	5 spaces	6 spaces	5 spaces
Gunwale Plate on ends of Awning, Spar, or Upper Deck Beams, breadth and thickness...	2	—	2	—
Angle Iron on ditto ...	—	—	—	—
Tie Plates fore and aft, outside Hatchways ...	—	—	—	—
Diagonal Tie Plates on Beams No. of Pairs,	—	—	—	—
Planksheer material and scantling ...	—	—	—	—
Waterways do. do. ...	—	—	—	—
Flat of Upper Deck do. do. ...	—	—	—	—
How fastened to Beams ...	—	—	—	—
Stringer Plate on ends of Main or Middle Deck } Beams, breadth and thickness ...	46	10	46	10
Is the Stringer Plate attached to the outside plating?	Yes			
Angle Irons on ditto, No. <i>One</i> ...	5	4 x 9	5	4 x 9
Tie Plates, outside Hatchways ...	13	10	13	10
Diagonal Tie Plates on Beams, No. of pairs	—	—	—	—
Waterways materials and scantlings ...	Quarter			
Flat of Upper Deck do. do. <i>4 Pine</i>	4		4	
How fastened to Beams ...	Screw Bolts		Screw Bolts	
Stringer Plates on ends of Lower Deck, Hold or Orlop Beams ...	33	9	33	9
Is the Stringer Plate attached to the outside plating?	Yes			
Angle Irons on ditto, No. <i>2</i> ...	4	4 x 9	4	4 x 9
Stringer or Tie Plates, outside Hatchways	13	10	13	10
Flat of Lower Deck ...	13	10	13	10
Ceiling between Decks, thickness and material in hold do. do. <i>2 1/2</i>	2 1/2		2 1/2	
Main piece of Rudder, diameter at head ... do. at heel ...	6		6	
Can the Rudder be unshipped afloat? <i>Yes</i>	3		3	
Bulkheads No. <i>One</i> Thickness of <i>1/16</i> <i>7/16</i>				

Height up to Main Deck
How secured to sides of ship Double frames
Size of Vertical Angle Irons $3\frac{1}{2} \times 3 \times \frac{1}{16}$ and distance apart 30 ins.
Are the outside Plates doubled two spaces of Frames in length? yes

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

Butt Straps of Keelsons, Stringer and Tie Plates, treble ~~double~~ ^{single} Riveted? *single*
Waterway, how secured to Beams *Iron Gutter* (Explain by Sketch, if necessary)
Beams of the various Decks, how secured to the sides? *Welded knee plates* No. of Breasthooks, *6* Crutches, *5*
What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? *Best*
Manufacturer's name or trade mark, *Angle Iron Mossend, Plates Consett*

The above is a correct description,
Builder's Signature, *Henry Murray* Surveyor's Signature, *Edmund Couchman*
Surveyor to Lloyd's Register of British and Foreign Shipping.

IRON 472-0481

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? *very few*

18770 Iron

Masts, Bowsprit, Yards, &c., are *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 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 Mast 85'3" x 30". Main Mast 88'3" x 31". Mizen 81'6" x 29". Bowsprit 24'0" x 30".*

Fore & Main Masts 16'6" } In 3 plates edges double riveted, Butt straps outside, 1/4" thicker than plates & treble riveted. Mast plates doubled for 10'8" extending from below wedging a' Hold Beams, to above Main Deck

NUMBER for EQUIPMENT		Fathoms.		Inches.		Test per Certificate.		Length & Size req'd per Rule.		Test req'd per Rule.		ANCHORS.		N ^o .		Weight.		Test per Certificate.		W't req'd per Rule.		Test req'd per Rule.	
SAILS.		CABLES, &c.		Chain		D. G. Lewis Superintendent		D. G. Lewis Superintendent		D. G. Lewis Superintendent		Bowers		3659		34.1.22		32.0.0.0		34.0.0.0		31.1.20	
Fore Sails,		135.1		1 1/2		63 1/2 x 88 1/2		270 ft		63 1/2 x 88 1/2		3660		34.1.9		31.18.0.0		28.3.17		27.1.20		3658	
Fore Top Sails,		134.5		1 1/2		63 1/2 x 88 1/2		270 ft		63 1/2 x 88 1/2		3658		34.1.9		31.18.0.0		28.3.17		27.1.20		3658	
Fore Topmast Stay Sails		90		1		1		1		1		3653		11.0.20		13.1.1.0		13.2.0		3652		5.2.11	
Main Sails,		90		1		1		1		1		3654		11.0.20		13.1.1.0		13.2.0		3654		5.2.11	
Main Top Sails,		90		1		1		1		1		3654		11.0.20		13.1.1.0		13.2.0		3654		5.2.11	
and		90		1		1		1		1		3654		11.0.20		13.1.1.0		13.2.0		3654		5.2.11	
quality		90		1		1		1		1		3654		11.0.20		13.1.1.0		13.2.0		3654		5.2.11	

Standing and Running Rigging *lured Demken* sufficient in size and *good* in quality. She has *One* Long Boat and *3* others

The Windlass is *Emmerson & Walker's Patent* *DW* and Rudder *efficient* Pumps *2 x 2* Bilges

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? *Port & Scuppers*

Cargo Hatchways. How formed? *Iron Corrugated*

State size Main Hatch *15'10" x 10'0"* Fore hatch *8'0" x 6'0"* Quarter hatch *8'6"*

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

What arrangement for shifting beams? *Shifting Beams in Main Hatch*

Hatches, If strong and efficient? *yes*

Order for Special Survey No. <i>829</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	<i>Built under S.S. and surveyed 10% Oct 10</i>
Date <i>4th Oct 1876</i>		2nd. On the plating during the process of riveting	<i>30, November 2, 10, 17, 20, 24, 28 December 2, 12, 14, 19, 20</i>
Order for Ordinary Survey No. <i>—</i>		3rd. When the beams were in and fastened, and before the decks were laid...	<i>10 1/4 January 26, 31, February 7, 19, 24, March 5</i>
Date <i>—</i>		4th. When the ship was complete, and before the plating was finally coated or cemented...	<i>16, 20, 28, 31, April 11, 17, 24 May 2, 11, 29 June</i>
No. <i>84</i> in builder's yard.		5th. After the ship was launched and equipped	<i>6, 9, 14, 20</i>

General Remarks (State quality of workmanship, &c.) *This vessel has been built in conformity with the Rules and Workship Section and Longitudinal plan herewith appended which were submitted and approved by the Committee in letter dated 5th October 1876. The Bowsprit of this vessel is fitted with a sole plate outside the Knight heads, similar to the Iron Ship's "Benares" by the same Builders. Report No. 4222.*

The workmanship and materials are of good quality

Fore and Main Lower Yards 49'0" x 19" dia plates 6 3/16 } In two plates edges single rivet
Topail 64'6" x 16" 5 3/16 } Butts overlapped and treble rivet
doubling plates in way of string

all other spars of Pitch & Red Pine

State if one, two, or three, decked vessel, or if spar, or sailing decked; and the lengths of poop, fore-castle, *36 1/2* raised quarter deck, and the length of double, or part double bottom. *35 1/2*

How are the surfaces preserved from oxidation? Inside *Portland Cement to above Bilges & Red Lead & Paint* Outside *Red Lead & Paint & Patent Paint* on bottom

I am of opinion this Vessel should be Classed *100 A 1*

The amount of the Entry Fee ... £ *5 : 0 : 0* is received by me, *Edmund Blouman*

Special ... £ *58 : 18 : 0* 24 June 1877

Certificate ... £ *0 : 0 : 0*

(Travelling Expenses, if any, £ *10/6*).

Committee's Minute *29th June, 1877.*

Character assigned *100 A 1*

Red Lead & Paint
22/4/1877

Edmund Blouman

Edmund Blouman
Lloyd's Register
Foundation