

12th FEB. 89. 5748

Last Survey February 7th 1883

1883

ONE OR TWO DECKED	THREE DECKED VESSEL.	Feet.
SPAR, OR AWNING DECKED VESSEL.		
HALF BREADTH (<i>moulded</i>)	18. 3	
DEPTH <i>from upper part of Keel to top of Upper Deck Beams</i>	26. 0	
GIRTH <i>of Half Midship Frame (as per Rule)</i>	38. 8	
1st NUMBER	82. 11	
1st NUMBER, if a 3-DECKED VESSEL, deduct 7 feet	75. 11	
LENGTH	285. 0	
2nd NUMBER	21648	
PROPORTIONS — <i>Breadths to Length</i>	7. 80	
<i>Depths to Length</i> — <i>Upper Deck to Keel</i>	10. 96	
<i>Main Deck ditto</i>	15. 69	

When built 1882-83 Launched Dec^r 9, 1882

By whom built Blohm & ~~1888~~

Owners *O. L. Eichmann*

Port belonging to *Hamburg*

Destined Voyage

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

Official Number

LENGTH

on deck as

per Rule ...

Feet.

Inches.

285

0

BREADTH—

Moulded...

Feet.

Inches.

36

6

DEPTH

top of Floors to Upper

Deck Beams

Do. do. Main Deck Beams.....

Feet.

Inches.

22

4

Power of

Engines ...

Horse.

250

No. of Decks with flat laid

No. of Tiers of Beams

Two

Three

Dimensions of Ship per Register, length

286.92

breadth,

36.75

depth,

22.32

KEEL, depth and thickness

two plates...

STEM, moulding and thickness...

STERN-POST for Rudder do. do.

" " for Propeller ...

Distance of Frames from moulding edge to

moulding edge, all fore and aft ...

FRAMES, Angle Iron, for 1/2 length amidships

Do. for 1/2 at each end ...

REVERSED FRAMES, Angle Iron

FLOORS, depth and thickness of Floor Plate

at mid line for half length amidships ...

" thickness at the ends of vessel ...

" depth at 1/2 the half-bdth. as per Rule ...

" height extended at the Bilges...

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..

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..

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..

KEELSONS Centre line, single or double plate,

Intercoastal, Plates ...

" Rider Plate ...

" Bulk Plate to Intercoastal Keelson

" Angle Irons on Centre plate ...

" Double Angle Iron Side Keelson

" 3 Side Intercoastal Plates on each side

" do. Angle Irons ...

" Attached to outside plating with angle iron

BILGE Angle Irons on outside plating

" do. Iron...

" do. Intercoastal plates riveted to plating for 3/5 length

BILGE STRINGER Angle Irons

Intercoastal plates riveted to plating for

plate frames in Eng & Boiler length

" Angle Irons double

Intercoastal stringer 18 to 15

Transoms, material. Knight-heads. Hawse Timbers.

Windlass

Emmersen & Walker Pall Bitt

Flat Keel Plates, breadth and thickness ...

PLATES in Garboard Strakes, breadth and thick-

ness from Garboard to upper part of Bilges

" of doubling at Bilge, or increased thick-

ness, and length applied ...

" fm up. part of Bilge to lr. edge of Sh'rstrake.

" Main Sheerstrake, breadth and thickness

of d'bling at Sh'rstrake, & length applied

from Mn. to Up. ~~Spar~~ Dk. Sh'rstrake.

" Up. ~~Spar~~ Dk Sh'rstrake, brdth & thickns

Butt Straps to outside plating, breadth & thickness

Lengths of Plating .144" ...

Shifts of Plating, and Stringers .48" x .96"...

Gunwale Plate on ends of Awning Spar, or)

Upper Deck Beams, breadth and thickness. Ends 33

Angle Iron on ditto 4" - 4" - 9/16 ...

Tie Plates fore and aft, outside Hatchways ...

Diagonal Tie Plates on Beams No. of Pairs

Planksheer material and scantling

Waterways ~~do~~ Iron deck 1/2 L. 6 to 5

Flat of Upper Deck do. ~~Teak~~ 5" x 3"

How fastened to Beams ~~Screws~~

Stringer Plate on ends of Main or Middle Deck

Beams, breadth and thickness ends..

Is the Stringer Plate attached to the outside plating?

Angle Irons on ditto, No. 2. 4" - 4" - 9/16

Tie Plates, outside Hatchways ...

Diagonal Tie Plates on Beams, No. of pairs

Waterways materials and scantling

Flat of Middle Deck do. ~~iron~~ 1/2 L. 6 to 5

How fastened to Beams

Stringer Plates on ends of Lower Deck, Hold or

Orlop Beams ...

Is the Stringer Plate attached to the outside plating?

Angle Irons on ditto, No. 2. 4" - 4" - 9/16 x 3/2 - 3 1/2 - 7/16

Stringer or Tie Plates, outside Hatchways

Flat of Lower Deck

Ceiling betwixt Decks, thickness and material ...

" in hold do. do. ...

Main piece of Rudder, diameter at head ...

do. at heel ...

Can the Rudder be unshipped afloat? yes

Bulkheads No. 7 Thickness of 9/16

" Height up to upper deck

" How secured to sides of ship double angles

" Size of Vertical Angle Irons 3 1/2 - 3 1/2 - 5/16 and distance apart 30 ins.

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

The **FRAMES** extend in one length from *centre line Keel* to *upper deck stringer* Riveted through plates with $\frac{7}{8}$ in. Rivets, about 7 apart.

The **REVERSED ANGLE IRONS** on floors and frames extend *from* middle line to *upper deck stringer* and to *main deck stringer* alternately

KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? *yes* And butts properly shifted? *yes* ^{except E. & Boiler room}
upper deck

PLATING. Garboard, double riveted to Keel, with rivets $1\frac{2}{16}$ in. diameter, averaging $5\frac{6}{16}$ ins. from centre to centre.

Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets $\frac{7}{8}$ in. diameter, averaging $3\frac{3}{4}$ ins. from centre to centre.

Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets $\frac{7}{8}$ in. diameter averaging $3\frac{1}{2}$ ins. from centre to centre.

Butts of *four* Strakes at Bilge for $\frac{1}{2}$ length, treble riveted with Butt Straps $\frac{7}{16}$ thicker than the plates they connect.

Butts from Bilge to Main Sheerstrake, worked clencher, double ~~clench~~ riveted; with rivets $\frac{7}{8}$ in. diameter, averaging $2\frac{1}{4}$ 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 $\frac{1}{2}$ length amidships. Butts of Upper ~~or~~ Sheerstrake, treble riveted $\frac{1}{2}$ length amidships.

Butts of Main Stringer Plate, treble riveted for $\frac{1}{2}$ length amidships. Butts of Upper ~~or~~ Stringer Plate, treble riveted for $\frac{1}{2}$ length.

Breadth of laps of plating in double riveting $5\frac{1}{4}$ ~~Breadth of laps of plating in single riveting~~

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

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

Beams of the various Decks, how secured to the sides? *See 1*

What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, etc.: *English Iron*

Manufacturer's name or trade mark,

The above is a correct description.

Builder's Signature, *Herman* Surveyor's Signature, *James T. Addis*
 Surveyor to Lloyd's Register of British and Foreign Shipping.

Barrege, to Lloyd's and others of 27th Nov and 2. Lloyd's shipping.



5410-91114411

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

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.*

Masts, Bowsprit, Yards, &c., are of *iron & pine* in *good* condition, and sufficient in size and length. If of Iron or Steel give 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 3 plates diam. 25 1/2 - 8. 7 x 9/16 Length 81. 7*
Main - 3 - 25 1/2 - 8. 7 x 9/16 - 70. 6

To added = 260.07

NUMBER for EQUIPMENT 25219		Fathoms.	Inches.	Test per Certificate.	Inches per Rule.	Machine where Tested & Suprd. t.	ANCHORS.	N ^o .	Weight. Ex. Stock.	Test per Certificate	W'ght req'd per Rule.	Machine where Tested & Suprd. t.
SAILS.	CABLES, &c.											
Fore Sails,	Chain	269. 7/8	1 1/16	82. 15. 0. 0	270. 1 1/16		Bower Anchors					
	(State Machine where Tested, Date, or No. of Certificate, & Name of Superintendent.)						(State Machine where Tested, Date, or No. of Certificate, & Name of Superintendent.)					
Fore Top Sails,	Iron Str'm Chain	90	1 1/8	30. 5. 0. 0	90. 1 1/8		Machine 7	1	32. 1. 7	30. 8. 0. 14	32	
				15. 2. 2. 0			S. E. Lewis	1	31. 3. 19	30. 2. 2. 0		
Fore Topmast Stay Sails,	Ditto do.						Netherton	1	27. 2. 22	26. 18. 3. 0	27 1/4	
	Hmpn Strm Cbl	100	12		100 - 12	90 1/2	Oct. 15. 1882	1	10. 2. 15	12. 13. 0. 14	10 1/2	
	Hawser ...	100	11		100 - 10	90 1/2	Stream ...	1	5. 1. 4	7. 14. 0. 7	5 1/4	
Main Sails,	Towlines ...	100	7 3/4		100 - 8 1/2	90 1/2	Kedge ...	1	2. 1. 20	5. 0. 0. 0	2 1/2	
Main Top Sails,	Warp ...	100	5				Ditto ...	1				
and	quality											

Standing and Running Rigging *wire* sufficient in size and *good* in quality. She has *two iron* ~~long~~ *Boats* and *2 wooden* 22 x 18 ft.

The Windlass is *in good working order* Capstan *good* and Rudder *good* Pumps *good*

Engine Room Skylights.—How constructed? *Of lead on bridge house* How secured in ordinary weather? *Screwed on deck*

What arrangements for deadlights in bad weather? *Good, strongly constructed and fastened on Bridge deck*

Coal Bunker Openings.—How constructed? *Iron hatches* How are lids secured? *Iron battens* Height above deck? *18"*

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

Cargo Hatchways.—How formed? *of iron plate 36 x 7/16*

State size *Main Hatch 20' - 11"* Forehatch *12' - 8'* Quarterhatch *16' - 11' 8 8' - 8'*

If of extraordinary size, state how framed and secured?

What arrangement for shifting beams? *Shifting beams on hatches*

Hatches, If strong and efficient? *Of Pitch pine 2 1/2 inch thick*

Order for Special Survey No.

Date

Order for Ordinary Survey No.

Date

No. *22* 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
- 2nd. On the plating during the process of riveting
- 3rd. When the beams were in and fastened, and before the decks were laid....
- 4th. When the ship was complete, and before the plating was finally coated or cemented..
- 5th. After the ship was launched and equipped

Built under special Survey

General Remarks (State quality of workmanship, &c.)

Vessel built on the Cellular double bottom system the centre plate is 57 1/2 x 9/16, has double buttstraps treble riveted and three longitudinal girdles on each side 9/16 and 8/16 under Engine-room.

Every other frame is solid and in Engine & Boiler Room every frame is solid.

The double bottom has been carefully tested and found tight. She has in the Engine and Boiler room three web-plates up to main-deck and

fastened by 2 intercostal stringers 18 x 9/16; The web-frames are 15 x 8/16

The angle irons are 4 x 4 connecting with the outside plating.

She has a bridge-deck of 72 ft. x 4 ft

Length of Poop 37 ft x 7 ft 8"

Length of Forecastle 38 ft x 6' 9"

The materials of which she has been built are very good and the workman ship has been executed to my satisfaction, as well as the equipment and outfit.

bridge 72 ft. 37 ft 38 ft 248 = 330 tons
State if ~~one, two, or three~~ *three* decked vessel, ~~or if open or sailing decked~~; and the lengths of poop, forecastle, ~~or raised quarter-deck~~, and the length of double, or part double bottom.

How are the surfaces preserved from oxidation? Inside *Bottom cemented x 4 coats of paint* Outside *Bottom, patent paints red lead & 3 other coats*

I am of opinion this Vessel should be Classed *100 A1*

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

Special ... £ *73 : 15 : 0* 187 }

Certificate ... : *5 : 0*

(Travelling Expenses, if any, £)

Committee's Minute

Friday, 2nd March, 1883.

Character assigned *100 A1*

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

His certificate that this vessel appears eligible to be classed

100 A1 as required by the

two decks (iron)

35 ft beam

cell. 5-13

The approved plans should accompany the Report

27/2/83