

Rec 22/2/68

Builder's Length aloft 210 Feet. 6 Inches. **Extreme Breadth** 37 Feet. 0 Inches. **Depth from top of Upper Deck Beam to top of Floor** 22 Feet. 6 Inches. **Power of Engines** ———— **Horse.** ———— **N^o. of Decks** Two

(Dimensions of Ship per Register, length 212.8 breadth 37.2 depth 22.5)

	Inches in Ship.	Inches required per Rule.	Inches in Ship.	Inches required per Rule.	16ths required per Rule.
Keel, if bar iron, depth and thickness.....					
" if plate iron, breadth and thickness	<u>8 1/2 x 3</u>	<u>8 1/2 x 3</u>			
Stem, if bar iron, moulding and thickness					
" if plate iron, breadth and thickness.....	<u>8 1/2 x 3</u>	<u>8 1/2 x 3</u>			
Stern-post, if bar iron, moulding and thickness					
" if plate iron, breadth and thickness.....	<u>10 x 3</u>	<u>8 1/2 x 3</u>			
Distance of Frames from moulding edge to moulding edge, all fore and aft	<u>24</u>	<u>24</u>			
Frames, Size of Angle Iron, single or double..	<u>5-3</u>	<u>9/16</u>	<u>5-3</u>	<u>9/16</u>	
" " Reversed Iron, if to every frame & every alternate frame.	<u>3 1/2</u>	<u>3</u>	<u>8/16</u>	<u>3 1/2</u>	<u>8/16</u>
Floors, depth and thickness of Floor Plate at mid line	<u>25 ends</u>	<u>10/16</u>	<u>24 1/4 ends</u>	<u>10/16</u>	
" Ditto ditto at Bilge Keelson	<u>11 1/2</u>				
" Size of Reversed Angle Iron, and No. one at top of Floor Plate	<u>3 1/2</u>	<u>3</u>	<u>8/16</u>	<u>3 1/2</u>	<u>8/16</u>
Beams, Deck (N ^o .) double Angle Iron,	<u>5 1/4</u>	<u>7</u>	<u>5/10</u>	<u>9/16</u>	<u>9/16</u>
alternating Plate, Tee, or Bulb Iron					
" double or single Angle Iron,			<u>3 1/2</u>	<u>3 1/2</u>	<u>7/16</u>
" on edge.....					
" average space between	<u>48</u>		<u>48</u>		
Hold, or Lower Deck (N ^o .)	<u>Same size as upper deck</u>		<u>9 1/4</u>		<u>9/16</u>
double Angle, Tee, Plate, or Bulb Iron					
" double or single Angle Iron			<u>3 1/2</u>	<u>3 1/2</u>	<u>7/16</u>
" on edge.....					
" average space between	<u>48</u>		<u>48</u>		
Paddle, sided and moulded, thick-					
ness of Plate size of Angle Iron					
Engine " " " "					
Keelson, single or double plate, box, or intercostal	<u>17</u>	<u>17</u>	<u>17</u>	<u>17</u>	<u>17</u>
" Size of Plates	<u>10</u>	<u>10</u>	<u>10</u>	<u>10</u>	<u>10</u>
" Size of Angle Irons	<u>17</u>	<u>17</u>	<u>17</u>	<u>17</u>	<u>17</u>
" Side, single or double, plate, box, or intercostal	<u>5 1/2</u>	<u>4 1/2</u>	<u>9/16</u>	<u>5 1/2</u>	<u>4 1/2</u>
" Bilge (No. one) at each Bilge,	<u>5 1/2</u>	<u>4 1/2</u>	<u>9/16</u>	<u>5 1/2</u>	<u>4 1/2</u>
single, of double, plate, or box					
Transoms, material <u>Iron</u> or, if none, in what manner compensated for.					
Knight-heads, and Hawse Timbers <u>Plates & Angle Iron</u>					
The Frames extend in one length from <u>Keel</u> to <u>Gunnwale</u>					
The reverse angle irons on the floors extend in one length across the middle line from <u>Bilge Keelson</u> to <u>Gunnwale</u> - alternating					
" " " on the frames " " " from " " " to <u>Intercoastal Keelson & L^r Stringer Angle Iron</u> - alternating					
Keelson, how are the various lengths of plates or angle irons connected? <u>By Covering pieces, well shifted</u>					
Plates, Garboard, double or rivetted to keel, double or at upper edge, with rivets (<u>1/4</u> in.) diameter, averaging (<u>2 3/4</u> in.) apart.					
" Edges from Garboards to upper part of bilge, worked clencher, double or single rivetted; with rivets (<u>7/8</u> in.) diameter, averaging (<u>2 3/4</u> ins.) apart.					
" Butts from Keel to turn of bilge, worked carvel with butt straps (<u>1/3</u> x <u>1 1/4</u>) thick, double or single rivetted; with rivets (<u>7/8</u> in.) diameter, averaging (<u>2 3/4</u> ins.) apart.					
Do the butt straps lap over and rivet through the lands of the strake below? <u>No</u>					
" Edges from bilge to sheerstrake, worked carvel with a lining piece () thick, & clencher, double or single rivetted; with rivets (<u>7/8</u> in.) diameter, averaging (<u>2 3/4</u> in.) apart.					
Do the butt straps lap over and rivet through the lands of the strake below? <u>No</u>					
" Edges of Sheerstrake, double or single rivetted? At upper edge <u>to Gunnwale angle iron</u> At lower edge <u>Double</u>					
" Butts from bilge to planksheers, worked carvel with butt straps (<u>1/16</u> x <u>1 1/16</u>) thick, double or single rivetted; with rivets (<u>7/8</u> in.) diameter, averaging (<u>2 3/4</u> ins.) apart. Breadth of laps in double rivetting (<u>5 1/4</u>) Breadth of laps in single rivetting ()					
Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted? <u>Single except U^p Stringer plates which are treble</u>					
Planksheer, how secured to the plating of the sides { Explain by sketch } <u>Iron Gutter Waterway</u>					
Waterway " " planksheer and to the Beams { if necessary. }					
Deck Beams, how secured to the side? <u>By welded Veneer plates 28 x 30 & rivetted to the frames.</u>					
Hold or Lower Deck ditto <u>28 x 30</u>					
Paddle " " No. of breasthooks crutches					
What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.? <u>Plate - Clough Hall</u>					
Manufacturer's name or trade mark <u>(Wm. Lloyd's) Beams Butterley Co., Angle Iron - Consett</u>					
We certify that the above is a correct description of the several particulars therein given.					
Builder's Signature <u>E. J. Blower</u> Surveyor's Signature <u>J. C. Wheeler</u>					

Plate Average Length 10-0

10-0

IRON 44-0480

Workmanship. Are the lands or laps of the clenchwork in all cases in breadth at least five and a half times the diameter of the rivets in double rivetted edges and butts, and at least three and a quarter times the diameter of the rivets where single rivetting is admitted? 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

Do the fillings between the ribs and plates fill in solid with single pieces? or are they in short lengths of various thicknesses? Single pieces

Do the holes for rivetting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Yes and are the rivet holes well and sufficiently countersunk in the outer plate? Well Countersunk

Are there any rivets which either break into or have been put through the seams or butts of the plating? No any

Her Masts, Bowsprit, Yards, &c., are in Good condition, and sufficient in size and length. (If they are of Iron or Steel give the 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 rivetting, quality of Materials, and if stamped with Maker's name.

The number of Plates and Angle Irons, mode of rivetting, quality of Materials, and if stamped with Maker's name.

Foremast (Iron)	81-0 x 2-6 dia 2 plates in circumference	9/16 x 1/2 thick - 4 Angle Irons 4 x 3 x 9/16	Seams single rivetted & Butts double except in bray of partners & Slings, where they are triple. The butt straps of Masts & Bowsprit are fitted on the outside.
Main "	72-84-6 x 2-6 " 2 "	9/16 x 1/2 " 4 " 4 x 3 x 9/16	
Mizen "	72-78-0 x 2-0 " 2 " "	9/16 x 1/2 " 4 " 3 x 3 x 9/16	
Bowsprit "	40-0 x 2-6 " 2 " "	7/16 x 3/16 " 6 " 5 x 3 x 9/16	
Fore, Main & Cross Jack Yards	2 " " "	5/16 x 1/2 " 3 " 3 x 3 x 9/16	
Fore, Main & Mizzen lower topsail Yards - 2 "	" " "	4/16 x 5/16 " 3 x " 3 x 3 x 9/16	
Topmast & Pine, Topmast & Top gallant Yards - 2 Pine & other spars of Spruce	" " "		

N ^o .	She has SAILS.	CABLES, &c.	Fathoms.	Inches.	Test as per Certificate.	In. req'd per Rule.	Test req'd per Rule.	ANCHORS, &c	N ^o .	Weight. Ex. Stock.	Test as per Certificate.	W'ght req'd per Rule.	Test req'd per Rule.
	Fore Sails,	Chain	150	1 13/16	59.2	1 13/16	59.2	Bowers	2770	32.3.15	30.15.3	32.0.	30.2.
	Fore Top Sails,	Hempen Stream Cable	90	1	—	—	—	Stream	2768	32.3.4	30.14.2	32.0.	30.2.
	Fore Topmast Stay Sails	Hawser	90	1/2	—	10	—	Kedges	2769	27.0.0	26.11.1	27.0.122	26.11
	Main Sails,	Towlines	90	10 1/2	—	2 1/2	—			13-0-4	with Store	13-0-0	
	Main Top Sails,	Warp	90	6 1/2	—	6 1/2	—			6.2-26	" "	6.2-0	
	and	All of Best quality.								3-1-12	" "	3-1-0	

Her Standing and Running Rigging Wire & hemp sufficient in size and best in quality.

She has One Long Boat and three others

The present state of the Windlass is Good Capstans Good and Rudder Good Pumps Main & Bidge (Iron) Patent
1 1/2 in fore compartment

Order for Special Survey	DATES of	1st.	On the several parts of the frame, when in place, and before the plating was wrought	<i>During the</i>
No. <i>448</i>	Surveys held	2nd.	On the plating during the progress of rivetting	<i>whole time of building</i>
Date <i>4/18/64</i>	while building	3rd.	When the beams were in and fastened, and before the decks were laid	
Order for Ordinary Survey	as per	4th.	When the ship was complete, and before the plating was finally coated	<i>& fitting out</i>
No. _____	Section 18.	5th.	After the ship was launched	
Date _____				

State if she has a Spar Deck No — Poop ^{Sh. in} Yes - 52-6 long or Forecastle ^{Sh. in} Yes - 35-6 long

General Remarks.

This vessel is well built - the three upper struts of outside plating are fitted in accordance with the sketch appended (Sanctioned by the Committee) & similar to the Ship "Pacchos" - please see Report No. 20847.

An additional frame for one half the vessel's length amidships is fitted at the opposite sides of each floor plate across the keel, extending to the upper part of bilges, & the Butts of the floor plates are triple rivetted.

A deck house 28'-6" x 14'-6" is fitted between the Fore mast & Main mast for Galley, Crew space &c.

In what manner are the surfaces preserved from oxidation? Inside Portland Cement in bottom & paint above
Ditto ditto Outside Composition on bottom & paint above

I am of opinion this Vessel should be Classed

The amount of the Fee£ 5 : 4 : is received by me,

Special£
 Certificate (if required)£

Committee's Minute Liverpool 21st 18th Decemr 1868

Character assigned A / Built under Special Survey

Lloyd's Register
Foundation