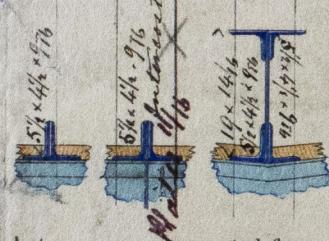


IRON SHIPS.

No. 1034 Survey held at Belfast Date 29th May 1879
on the New Ship "Lady Cairns" Master —
Tonnage under tonnage deck 1149.32 Built at Belfast When built 1879 Launched 24th April
Ditto of poop or spar deck 90.98
Ditto of engine room 50.60 By whom built Harland & Wolff Owners Harland & Wolff
Total Register tonnage 1310.90
Gross Tonnage 1244.59 Port belonging to Liverpool Destined Voyage —

~~In Surveyed while Building, Afloat, or in Dry Dock~~ Specially Surveyed while building



From or, if none, in what manner compensated for.

d Hawse Timbers

xtend in one length from Keel

angle irons on the floors extend in one length across the middle line from $\frac{1}{4}$ to $\frac{5}{8}$ inch on each side alternately to hold beams there.

" " " on the frames " " " from _____ to _____ per

on, how are the various lengths of plates or angle irons connected? *With butt streaks.*

, Garboard, double or riveted to keel, double or at upper edge, with rivets ($\frac{1}{4}$ in.) diameter, averaging ($\frac{3}{4}$ in.) apart.

Edges from Garboards to upper part of bilge worked clincher double or single riveted: with rivets ($\frac{1}{4}$ in.) diameter averaging ($\frac{1}{2}$ ins.) apart.

Butts from Keel to turn of bilge, worked carvel with butt strakes ($1\frac{1}{2} \times 12$) thick, double or single riveted; with rivets ($\frac{1}{8}$ in.) diameter, averaging ($2\frac{1}{4}$ in.) apart.

Do the battlemented corners and joint through the heads of the stanchions.

Do the butt straps lap over and rivet through the lands of the striae below? Alternately
Edges from bilge to sheerstrake mark 12 ft. with 12 ft. intervals which are to be cut off and the edges riveted with iron strips.

Edges from hinge to sheerstrake, worked barrel with a lining piece ($\frac{1}{2}$) thick, or clench, double or single riveted; with rivets ($\frac{1}{8}$ in.) diameter.

Do the butt straps lap over and rivet through the lands of the sturk below? alternately

Edges of Sheerstrake, double or single riveted? At upper edge diagonal At lower edge staple

Butts from bilge to planksheers, worked carvel with butt straps ($\frac{11}{16} \times \frac{12}{16}$) thick, double or single riveted; with rivets ($\frac{7}{8}$ in.) diameter,

averaging ($\frac{2}{3}$ ins.) apart. Breadth of laps in double rivetting (5 in.) Breadth of laps in single rivetting (3 in.)

Straps of Keelsons, Stringer and Tie Plates, double ~~or~~ single riveted? Cement

Explain by sketch

erway , , , planksheer and to the Beams } if necessary. }

Beams, now secured to the side! Rive plates welded & riveted to frames

or Lower Deck ditto The same as above

No. of breasthooks 5 crutches 5

description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.? *Takes from Werkhunbe and Hamat*

Manufacturer's name or trade mark Single Iron Frame Hopkins & Co.

We certify that the above is a correct description of the several particulars therein given.

er's Signature Ronald Welf Surveyor's Signature Tex Luther Foundation

Foundation

IRON 444-0360

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7312 Two

- e clinchwork in all cases in breadth at least five and a half times the diameter of the rivets in double
and a quarter times the diameter of the rivets where single rivetting is admitted? Yes
- Do the edges of the rivet work and its fay 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? Filled in solid
- 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? Yes
- Are there any rivets which either break into or have been put through the seams or butts of the plating? a few

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. No)

Masts Lower Masts, Bowsprit, Lower Yards, Fore & Main Lower Luffage Yards are of Iron, Masts and Bowsprit-plate $\frac{3}{8}$ inch. Three angle irons in each $\frac{3}{8} \times 3\frac{1}{16}$ the entire length. Fore & Main Lower Yard plates $\frac{5}{16}$ tapering to $\frac{4}{16}$ at ends. Three doubling plates at least 4 feet long. $\frac{7}{8} \times \frac{1}{16}$ Three angle irons in each $\frac{3}{8} \times 2\frac{1}{2} \times 3\frac{1}{16}$ about 44 lbs each, Fore & Main lower lufface Yards & Cross Jack yard. Plating $\frac{4}{16}$ tapering to $\frac{3}{16}$ at ends. Three doubling plates at least 7 feet long $\frac{1}{2} \times \frac{1}{16}$, $\frac{3}{8} \times \frac{1}{16}$, $\frac{1}{2} \times \frac{1}{16}$, $\frac{1}{2} \times \frac{1}{16}$. Single irons as above 28 lbs each long, Butt, fastened with 2.3 & 4 chain rivetting.

She has SAILS. CABLES, &c., tested at Lloyd's Upton House

ANCHORS, tested at Lloyd's Upton House

No.		No. on Chain seen by me.	No. and date on Certificate	Fathoms.	Inches.	Tested to Tons.	No.	No. on Anchor seen by me.	No. and date on Certificate	Weight. Ex. Stock.	Tested to Tons.
2	Fore Sails,	Chain	4572 23 hanks/69	300	1 $\frac{1}{2}$	34.2,00	Bowers	1	4215 13 April 1849	33.0.24	61.1.1.0
	Fore Top Sails,	Hempen						1	4212 "	33.3.0	61.8.3.0
2	Fore Topmast	Chain Stream Cable	-	90	1	12.0.0.0		1	4214 "	28.2.14	34.1.1.0
	Stay Sails,	Hawser		90	10		Stream	1	1004	10.2.0	12.1.4.2
2	Main Sails,	Towlines		90	7						
	Main Top Sails,	Warp	All of good quality.	90	5		Kedges	1	1008	6.2.20	
				90	4				1009	3.2.24	

Her Standing and Running Rigging found to be sufficient in size and good in quality.

She has 2 Life Boats 26 feet Long Boat and 2 others Good.

The present state of the Windlass is good Capstan good and Rudder good Pumps 2 cast iron good

Order for Special Survey DATES of

No. 37 Surveys held Date 15 Oct 1848 while building

Order for Ordinary Survey

No. _____ as per Date _____ Section 18.

- 1st. On the several parts of the frame, when in place, and before the plating was wrought November 1848
- 2nd. On the plating during the progress of rivetting December "
- 3rd. When the beams were in and fastened, and before the decks were laid January 1849
- 4th. When the ship was complete, and before the plating was finally coated February "
- 5th. After the ship was launched May "

State if she has a Spar Deck No Poop Yes or Forecastle Yes

General Remarks,

Middle line keelson 19 inches deep amidships tapering to 14 inches at ends of vessel.

Fore Mast 84 feet & Main Mast 83 $\frac{1}{2}$ feet long plates $\frac{3}{8}$. 9 feet long, lands $2\frac{1}{2}$ in $3\frac{1}{4}$ wide and treble Chain riveted, straps $11\frac{1}{2}$ in wide, 49 feet long 24 in diameter. Bowsprit 30 feet long 24 in swathing as above

In what manner are the surfaces preserved from oxidation? Inside Flat of bottom with Portland Cement
Ditto ditto Outside Red Lead and oil Paint

I am of opinion this Vessel should be Classed A1.

The amount of the Fee £ 5 : 0 : 0 is received by me, Ale Linton

Special £ 13 : 4 : 6

Certificate (Required) £ : :

Committee's Minute 29th August 1849

Character assigned AA

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Lloyd's Register Foundation

Letter, 1849