

# IRON SHIPS.

No. 3035 Survey held at Glasgow Date 22<sup>nd</sup> October Recd 26/10/69  
 on the Ship Loch Ness Master J. Micklejohn  
 Tonnage under tonnage deck 1121. 88 Built at Glasgow When built 1869 Launched Sept<sup>r</sup> 21<sup>st</sup> 1869  
 Ditto of quarter deck 127. 55 By whom built Barclay Curle & Co Owners Glasgow Shipping Co  
 Ditto of poop, forecastle, or other erections on upper deck 54. 44 Port belonging to Glasgow Destined Voyage Melbourne  
 Ditto of spar deck 1194. 49 If surveyed while Building, Afloat, or in Dry Dock Under Special Survey  
 Ditto of engine room

Feet.	Inches.	Feet.	Inches.	Depth from top of Upper Deck Beam to top of Floor	Feet.	Inches.	Horse.	N <sup>o</sup> . of Decks
1214	-	35	6	21	9	-	-	Two
Dimensions of Ship per Register, length <u>225. 5</u> breadth <u>35. 6</u> depth <u>21. 6</u>								
Plates in Garboard Strakes, breadth and thickness	36	13/16	36	13/16				
Ditto from Garboard to upper part of Bilges		12/16		12/16				
" from upper part of Bilge to a perpendicular height from upper side of Keel of 3/4ths the entire depth of Hold		11/16		11/16				
" from 3/4ths depth of Hold to lower edge of Sheerstrake		10/16		10/16				
" Sheerstrake, breadth and thickness	36	12/16	36	12/16				
Butt Straps to outside plating, breadth and thickness	11. 15/16	10. 11/16	12. 1/16					
Gunwale Plate or Stringer on ends of Upper Deck Beams, breadth and thickness	38	10/16	30 1/2	10/16				
Angle Iron on ditto	5. 4 1/2	9/16	5. 4 1/2	9/16				
Stringer or Tie Plates fore and aft, on Upper Deck Beams, outside Hatchways	13 1/2	10/16	13 1/4	10/16				
Diagonal Tie Plates on ditto	13 1/2	10/16	13 1/4	10/16				
Planksheer, materials and scantlings								
Waterway ditto ditto								
Flat of Upper Deck, thickness and material	4		4					
How fastened to Beams								
Ceiling betwixt Decks and in Hold, thickness and material	2 1/2	10/16	2 1/2	10/16				
Clamps or Spiketting ditto								
Stringer Plates on ends of Hold or Lower Deck Beams, breadth and thickness	24	10/16	22 3/4	10/16				
Stringer or Tie Plates fore and aft outside Hatchways, on Hold or Lower Deck Beams	5. 4 1/2	9/16	5. 4 1/2	9/16				
Stringers in Hold	5. 4 1/2	9/16	5. 4 1/2	9/16				
Flat of Lower Deck, thickness and material	3		3					
Main piece of Rudder, diameter at head	6		5 3/4					
" " " " at heel	3 1/2		3					
(Can the Rudder be unshipped afloat)								
Bulkheads, N <sup>o</sup> . Thickness of		7/16		7/16				
" Height up								
" how secured to the sides of the ship								
" size of vertical angle irons	3 1/2	7/16	3 1/2	7/16				
and their distance apart	30 ins							

Transoms, material Iron or, if none, in what manner compensated for.  
 Knight-heads, and Hawse Timbers Iron  
 The Frames extend in one length from Keel to Gunwale rivetted through plates with ( 7/8 in.) rivets, about ( 6 in.) apart.  
 The reverse angle irons on the floors extend in one length across the middle line from top of Lower Deck Stringer Angle Iron, and to main deck Stringer alternately from

Keelson, how are the various lengths of plates or angle irons connected? With butt straps  
 Plates, Garboard, double or rivetted to keel, double or at upper edge, with rivets ( 1 1/8 ins.) diameter, averaging ( 4 1/2 in.) apart.  
 " Edges from Garboards to upper part of bilge, worked clencher, double or single rivetted; with rivets ( 7/8 in.) diameter, averaging ( 3 ins.) apart.  
 " Butts from Keel to turn of bilge, worked carvel with butt straps ( 13 x 12 ) thick, double or single rivetted; with rivets ( 7/8 in.) diameter, averaging ( 3 ins.) apart. Do the butt straps lap over and rivet through the lands of the strake below alternately  
 " Edges from bilge to sheerstrake, worked carvel with a lining piece ( ) thick, or clencher, double or single rivetted; with rivets ( 7/8 in.) diameter, averaging ( 3 in.) apart. Do the butt straps lap over and rivet through the lands of the strake below alternately  
 " Edges of Sheerstrake, double or single rivetted? At upper edge single At lower edge double  
 " Butts from bilge to planksheers, worked carvel with butt straps ( 11 10 12 ) thick, double or single rivetted; with rivets ( 7/8 in.) diameter, averaging ( 3 ins.) apart. Breadth of laps in double rivetting ( 5 1/2 times Breadth of laps in single rivetting ( )  
 Straps of Keelsons, Stringer and Tie Plates, double or single rivetted? Double Rivetted  
 Sheer, how secured to the plating of the sides { Explain by sketch } Gutter Waterway  
 Waterway " " planksheer and to the Beams { if necessary. }  
 Deck Beams, how secured to the side? By Bracket Ends rivetted to the frames  
 Hold or Lower Deck ditto do

Paddle " " No. of breasthooks 4 crutches 4  
 What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c. Plate Parkhead Forge  
 Manufacturer's name or trade mark Angle Irons Mossend  
 We certify that the above is a correct description of the several particulars therein given.  
 Builder's Signature Barclay, Curle & Co Surveyor's Signature Wm. Linton

120443-0077



7466 Iron

**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 *Yes* or are they in short lengths of various thicknesses? *No*

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.

Tested by Andrew Jack at  
Chester Aug<sup>th</sup> 24<sup>th</sup> 1869

Tested by Ad-Jack at  
Chester Aug<sup>th</sup> 9<sup>th</sup> 1869

N <sup>o</sup> .	She has SAILS.	CABLES, &c.	Fathoms.	Inches.	Test as per Certificate.	In. req'd per Rule.	Test req'd per Rule.	ANCHORS, &c.	N <sup>o</sup> .	Weight. Ex. Stock.	Test as per Certificate.	Weight req'd per Rule.	Test req'd per Rule.
	Fore Sails,	Chain 11853	300	1 1/4	55.22	1 1/4	55 1/10	Bowers	3	30.2.22	29.3.0	30	28 6/10
	Fore Top Sails,	Sample Broke at 8 1/2 ft & 8 1/2 ft						By Mr. Taylor		30.0.15	28.15.0	30	28 6/10
	Fore Topmast Stay Sails	Hempes Stream Cable	90	1			15 1/16 oz	Glasgow Nov 11/69		27.1.27	26.15.0	25.2	25 1/20
	Main Sails,	Hawser	90	11			10	Stream	1	12.2.9		12	
	Main Top Sails,	Towlines	90	9 1/2			9	Kedges	2	6.2.19		6	
	and	Warp	90	9 1/2			8 1/2			2.3.31		3	
		All of quality.	90	6									

Her Standing and Running Rigging *Galathea's & Hemp* sufficient in size and *Good*

She has *Two* Long Boat and *Two* others

The present state of the Windlass is *Good* Capstan *Good* and Rudder *Good* Pumps *Two Cast-Iron Good*

Order for Special Survey DATES of  
No. *597* Surveys held  
Date *January 14 1869* while building  
Order for Ordinary Survey as per  
No. *✓* Section 18.  
Date *✓*

1st. On the several parts of the frame, when in place, and before the plating was wrought  
2nd. On the plating during the progress of rivetting *Built under Special Survey from 12<sup>th</sup> April till 22<sup>nd</sup> October 1869*  
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  
5th. After the ship was launched

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

**General Remarks.** The Fore, Main Masts & Bowsprit of Iron 4 plates in the round

1/2 in & 7/16 thick double Rivetted. Butts double  
Length of Fore Mast 84 1/2 ft. Diameter 30 in plates 9 feet 5 in Long  
Main " 87 1/2 ft " 30 in " 9 ft 5 in "  
Bowsprit 36 " 30 in " 9 ft 5 in "  
Main Mast 82 ft Iron 24 " 9 ft 5 in "  
Fore & Main Yards of Steel 47 ft. Long 19 1/2 in diameter plates 8 feet Long  
5/16 thick  
Cross Jack Yard of Steel 46 ft. Long 16 in diameter plates 8 ft. Long 5/16 thick  
2 angle irons in each 3.3.3/8 the whole Length & 4 Angle Irons in Centre  
Lower Topsail Yards of Steel 47 ft. Long 16 in diameter plates 8 ft Long  
5/16 thick. All Lands single & Butts double in each of the Yards

In what manner are the surfaces preserved from oxidation? Inside *Portland Cement in bottom & Remenged*  
Ditto ditto Outside *Red Lead and Patent Paint & Oil Paint*

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

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

Special £ 59.14.0  
Certificate (if required) £ *Charter*

Committee's Minute *29<sup>th</sup> October 1869*

Character assigned *A*



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