

Requisition
4: 96
Mandatory Instructions
9th August 1855

IRON SHIPS.

No. 3545 Survey held at Port Glasgow Date 24th January 1856
on the Ship "Hippolyta" Master James Heunell
Tonnage Gross Engine Room Register 853¹/₁₀₀ Oct 1855 Built at Port Glasgow
When Built 9th Jan 1856 By whom built John Reid & Co. Owners Joseph Sharp & Sons
belonging to Liverpool Destined Voyage Glyde to Calcutta
Kept Afloat or in Dry Dock While building

Feet.	Inches.	Feet.	Inches.	Feet.	Inches.	Power of Engines...	Feet.	Inches.	Sketch, when necessary.
Keel to top of Mast	192 ⁶ / ₁₀	Extreme Breadth	32 ² / ₁₀	Depth from Beam to top of Floor	20				
Distance between Floors amidships	1	4		Stem, if bar iron, moulding and thickness	8 ¹ / ₂ x 3				
" " " forward and aft	1	4		" if plate iron, breadth and thickness					
" " Ribs amidships	1	4		Stern-post, if bar iron, moulding and thickness	8 ¹ / ₂ x 4				
" " " forward and aft	1	4		" if plate iron, breadth and thickness					
Floors, Size of Angle Iron, and No. Single at bottom of Floor Plate	5	3	8ths - 120 feet amidships	Keel, if bar iron, depth and thickness	8 ¹ / ₂ x 3				
" depth & thickness of Plate at mid line	4 ¹ / ₂	3	8ths - forward & aft	" if plate iron, breadth and thickness					
" tapering to upper part at turn of bilge	20		9/16	Garboard Plates, thickness	Description of Iron.				
" Size of Reversed Angle Iron, and No. Single at top of Floor Plate	3 ¹ / ₂	3	7/8	" to bilge		3/4			
Ribs, Size of Angle Iron, single or double	5	3	4 - 120 feet amidships	Bilge		5/8			
" Reversed Iron, to every frame or every frame	4 ¹ / ₂	3	8ths - forward & aft	" to Wales		5/8			
Beams, Deck (N°) double or single	3 ¹ / ₂	3	7/8	Wales		9/16			
" Angle Iron	Bull Iron			Topsides		9/16			
" depth & thickness of plate amidships	8		9/16	Sheerstrakes		5/8			
" double or single Angle Iron, on lower edge	3	3	5/8	Planksheers	Material.	6			
" average space between	Two feet eight inches			Gunwale Plate or Stringer	Iron plate	22 ¹ / ₂ x 3/8			
" if wood (N°) sided & moulded				Waterway	East India Teak	6			
" Hold, (N°) double or single	Bull Iron			Deck	Yellow Pine	3 ¹ / ₂			
" Angle Iron				Ceiling in flat	Lumber Elm	2 ¹ / ₂			
" depth & thickness of plate amidships	8		9/16	Bilge Planks inside	do	2 ¹ / ₂			
" double or single Angle Iron, on upper edge	3	3	5/8	Ceiling from Bilge to Clamps	Red & Pitch Pine	2 ¹ / ₄			
" average space between	Two feet eight inches			Hold Beam Clamps	Angle Iron back to back	5 x 4 x 3/8			
" if wood (N°) sided & moulded				" Shelf					
" Paddle, wood, sided and moulded or if Iron, size of Plate				" Stringers	Iron plate	18 x 3/8 with Angle Iron 5 x 4 x 3/8			
Engine				Ceiling between Decks	Red & Pitch Pine	2 ¹ / ₄			
Keelson, wood, sided & moulded, iron, size of, with Angle Iron back to back	22		9/16	Stringers	Iron plate	18 x 3/8			
" plate, if Box, give sketch & dimensions	6	3	5/8	Deck Beam Clamps	Iron plate	18 x 3/8			
" Side of Bilge Angle Iron back to back	5	3	5/8	" Shelf					
" Number One of each on each side				Stringers in Hold	See Keelsons				
				Deck, Lower	Yellow Pine	3			

Transoms, material Iron plate or, if none, in what manner compensated for.

Knight-heads

Hawse Timbers } Mahogany are they free from defects? Yes

The Ribs extend in one length from Keel to Gunwale rivetted through plates with (13/₁₆ in.) rivets, about (6 ins.) apart.

The reverse angle irons on the floors extend in one length across the middle line from 4 feet on each side to Hold Beams and Gunwale alternately
" " " " on the ribs " " " " from " to

Keelson, if wood, length of scarp if iron, how are the various lengths connected? Well shifted butts and rivetted

Plates, Garboard, double or single rivetted to keel, with rivets (13/₁₆ ins.) diameter averaging (2 1/2 in.) from centre to centre of rivet.

" edges from Garboards to turn of bilge, worked carvel with a lining piece (1/₂ in.) thick, or clencher, double or single rivetted; rivets (7/₈ in.) diameter, averaging (2 1/2 ins.) from centre to centre of rivets.

" butts from Garboards to turn of bilge, worked carvel with a lining piece (5/₈ in.) thick, double or single rivetted; rivets (7/₈ in.) diameter, averaging (2 1/2 ins.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? Yes.

" edges from bilge to wales, worked carvel with a lining piece (1/₂ in.) thick, or clencher, double or single rivetted; rivets (13/₁₆ in.) diameter, averaging (2 1/2 ins.) from centre to centre of rivets.

" butts from bilge to wales, worked carvel with a lining piece (9/₁₆ in.) thick, double or single rivetted; rivets (13/₁₆ in.) diameter, averaging (2 1/2 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? Yes.

" edges of wales and to planksheers, worked carvel with a lining piece (1/₂ in.) thick, or clencher, double or single rivetted; rivets (13/₁₆ in.) diameter averaging (2 1/2 ins.) from centre to centre of rivets.

Planksheer, how secured to the plating of the sides

Explain by sketch, if necessary.

Waterway " " planksheer and to the Beams

Side trussing breadth and thickness of plates how secured

Deck trussing Iron plate each side of Hatchways, 10 inches by 5 inches to each Deck

Deck Beams, how secured to the side, By Bull Iron knees 24 inches long welded to Beams & rivetted to side.

Hold " " Do

Paddle " " Do

No. of breasthooks Four crutches formed by deep floors how are pointers compensated?

What description of iron is used for the angle iron and bar iron in the vessel?

Scotch Iron

John Reid & Co. Builder's Signature.

945 Iron

Workmanship. Are the lands or laps of the clenchwork in all cases sufficiently wide to take the rivets and support the strain on them? *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 all solid with sliver pieces, or are they in short lengths? *All solid full length.*
 Do the holes for rivetting plate to lining piece, or plate to plate, &c., answer 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*
 Was the plating caulked internally in the wake of the frames or ribs? *No.*

Her Masts, Yards, &c., are in Good condition, and sufficient in size and length.

She has SAILS.			CABLES, &c.		ANCHORS, and their weight		
N ^o .		Fathoms.		Inches.	N ^o .		
2	Fore Sails,	300	Chain	15	3	Bowers	<i>Cuts. grs. lbs. 32 3 18 } S.S.</i>
2	Fore Top Sails,	60	" Stream	2	1	Stream,	<i>22 2 14 } S.S. Patent</i>
2	Fore Topmast Stay Sails,	80	Hempen Stream Cable	10	2	Kedges	<i>5 3 6 } S.S.</i>
1	Main Sails,	80	Hawser	7 1/2			
2	Main Top Sails,	80	Towlines	5			
			Warp	4			
			All of <u>Good</u> quality.				

and Well found in other sails rigging is wire

Her Standing and Running Rigging Lump & Manila sufficient in size and Good in quality.

She has a Long Boat and Butter, Lip Boat, Sloop Boat & Rig
 The present state of the Windlass is Good Two Capstans Three double Iron Rudder Good Pumps Three lead

GENERAL REMARKS.

Statement and date of repairs; extent of corrosion (if any) both internally and externally; and condition of rivets.
Laid down in June 1855 and launched 9th January 1856. Specially surveyed in accordance with my instructions of 9th August last. She has three Watertight Bulkheads extending to upper Deck 3 inch trussed with Angle Iron 3 1/2 x 3 x 7/16 inch, about thirty inches apart. Clamp plates to upper Deck, and Angle Iron back to back for ditto to Hold Beams. Stern frames well secured with Iron plate Beam ties, and stringer plate across stern frame. Three lead pumps, and one led by pipe to fore compartment. The materials are heavy, and workmanship and finishings very good. Testing Certificates of Chain Cables produced. And her furnishings and equipment complete and of the best description. I have respectfully to submit her claims to the 12 year grade

In what manner are the surfaces preserved from oxidation? *Inside three coats Red lead; and two ditto outside, and one coat of paint above and bottom coated with Messrs Redd & Co's Composition.*

I am of opinion this Vessel should be classed 12 A1

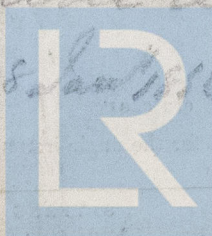
The amount of the Fee£ 5 : " : " is received by me,

Special£ 42 : 13 : "

Certificate (if required)£ " : " : "

Committee's Minute 29th January 1856

Character assigned 1 for 12 Years



Lloyd's Register Foundation