

Requisition
4: 96
Mandatory Instructions
9th August 1855

IRON SHIPS.

945

Rec 28/1/56

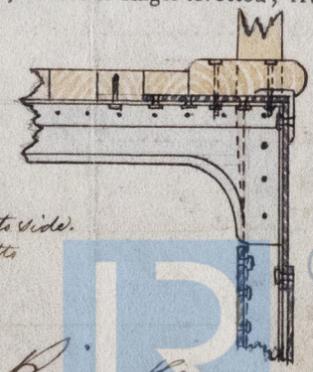
No. 3545 Survey held at Port Glasgow Date 24th January 1856
 on the Ship "Hippolyta" Master James Heunell
 Tonnage Gross _____ Engine Room _____ Register 853^{7/10} Oct 1855 Built at Port Glasgow
 When Built 9th Jan'y 1856 By whom built John Reid & Co. Owners Joseph Sharp & Sons
 belonging to Liverpool Destined Voyage Glyde to Calcutta
 layed Afloat or in Dry Dock While building

Keel aloft 192^{6/10} Extreme Breadth 32^{2/10} Depth from Beam to top of Floor .. 20 Power of Engines

	Feet.	Inches.	Sketch, when necessary.		Feet.	Inches.	Sketch, when necessary.
Distance between Floors amidships	1	4		Stem, if bar iron, moulding and thickness	8 ^{1/2}	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}	4	✓
" " " forward and aft	1	4		" " if plate iron, breadth and thickness			
Floors, Size of Angle Iron, and No. <u>single</u> at bottom of Floor Plate	5	3	8ths <u>120 feet amidships</u>	Keel, if bar iron, depth and thickness	8 ^{1/2}	3	✓
" depth & thickness of Plate at mid line	4 ^{1/2}	3	8ths <u>forward & aft</u>	" if plate iron, breadth and thickness			
" <u>tapering to upper part, at turn of bilge</u>	20	9/16	✓	Garboard Plates, thickness ..	Description of Iron.		
" Size of Reversed Angle Iron, and No. <u>single</u> at top of Floor Plate	3 ^{1/2}	3	7/8	" to bilge ..	3/4	✓	} No taper
Ribs, Size of Angle Iron, single or double	5	3	8ths <u>120 feet amidships</u>	" to bilge ..	5/8	✓	
" Reversed Iron, <u>to every frame</u>	4 ^{1/2}	3	8ths <u>forward & aft</u>	Bilge ..	5/8	✓	
" or every frame	3 ^{1/2}	3	7/8	" to Wales ..	9/16	✓	
Beams, Deck (N°) <u>double or single</u> Angle Iron	Bull Iron			Wales ..	9/16	✓	
" depth & thickness of plate amidships	8	9/16	✓	Topsides ..	9/16	✓	
" double or single Angle Iron, on <u>lower</u> edge	3	3	5/8	Sheerstrakes ..	5/8	✓	
" average space between	Two feet eight inches			Planksheers ..	Material, East India Teak 6		
" if wood (N°) sided & moulded	Two feet eight inches			Gunwale Plate or Stringer ..	Iron plate 22 ^{1/2} x 3/8 with Angle Iron 5 x 4 x 3/8		
Hold, (N°) <u>double or single</u> Angle Iron	Bull Iron			Waterway ..	East India Teak 6		
" depth & thickness of plate amidships	8	9/16	✓	Deck ..	Yellow Pine 3 ^{1/2}		
" double or single Angle Iron, on <u>upper</u> edge	3	3	5/8	Ceiling in flat ..	Lucee Elm 2 ^{1/2}		
" average space between	Two feet eight inches			Bilge Planks inside ..	do 2 ^{1/2}		
" if wood (N°) sided & moulded	Two feet eight inches			Ceiling from Bilge to Clamps	Red & Pitch Pine 2 ^{1/4}		
Paddle, wood, sided and moulded or if Iron, size of Plate				Hold Beam Clamps ..	Angle Iron back to back 5 x 4 x 3/8		
Engine				" " Shelf ..			
Keelson, wood, sided & moulded, iron, size of, <u>with Angle Iron back to back</u> plate, if Box, give sketch & dimensions	22	3	9/16	" " Stringers ..	Iron plate 18 x 3/8 with Angle Iron 5 x 4 x 3/8		
" Side of Bilge <u>Angle Iron back to back</u>	5	3	5/8	Ceiling between Decks ..	Red & Pitch Pine 2 ^{1/4}		
" Number <u>one of each, on each side</u>				Stringers ..	Iron plate 18 x 3/8		
				Deck Beam Clamps ..	Iron plate 18 x 3/8		
				" " Shelf ..			
				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 (_____ 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 (_____) 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 (_____) 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, }
 Waterway " " planksheer and to the Beams { if necessary. }
 Side trussing breadth and thickness of plates how secured
 Deck trussing Iron plate each side of Hatchways, 10 inches by 3/4 inch to each Deck
 Deck Beams, how secured to the side, By Bull Iron knees 24 inches long welded to Beams & rivetted to side.
 Hold " " Ditto Ditto Ditto
 Paddle " " _____
 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. Lloyd's Register

9145 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	3	Bowers $\frac{32}{28}$ " $\frac{3}{1}$ " $\frac{18}{18}$ } S.S.
2	Fore Top Sails,	60	" Stream	1	Stream, 10 " 2 " 20 S.S. Patent
2	Fore Topmast Stay Sails,	80	Hempen Stream Cable	2	Kedges $\frac{5}{3}$ " $\frac{3}{2}$ " $\frac{6}{-}$ } S.S.
1	Main Sails,	80	Hawser		
2	Main Top Sails,	80	Towlines		
			Warp		
			All of <u>Good</u> quality.		

and *Well found in other sails*
 Her Standing and Running Rigging *rigging is wire* Stump & Manila sufficient in size and Good in quality.

She has a Long Boat and Butter, Lip Boat, Jolly Boat, Pig
 The present state of the Windlass is Good Two Capstans Three double Iron and Good 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 water-tight Bulkheads extending to upper Deck $\frac{3}{8}$ inch trussed with Angle Iron $3\frac{1}{2} \times 3 \times \frac{7}{16}$ 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 Red Lead 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 12 for 12 Years
Proprietor

See concern in the above case on certificate
 28 Jan 1856
 Lloyd's Register Foundation