

# IRON SHIPS.

No. 4373 Survey held at Brunock Date 4<sup>th</sup> October 1861

the Screw Steamer "Egyptian" Master \_\_\_\_\_

Tonnage Gross 1986 Engine Room 1690 Register 1690 Built at Belfast

When Built 1861 By whom built Harland Owners John Bibby Sons & Co

Port belonging to Liverpool Destined Voyage Glyde to Liverpool

Surveyed Afloat or in Dry Dock Afloat 12 8-61

	Feet.	Inches.		Feet.	Inches.	Depth from top of Upper Deck Beam to top of Floor.....	Feet.	Inches.	Power of Engines....	Horse No.
Length aloft .....			Extreme Breadth....							<u>500. Two engines</u>
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	Inches in Ship.		Inches required per Rule.			Stem, if bar iron, moulding and thickness ....				
Floors, Size of Angle Iron, and No. at bottom of Floor Plate.....	Inches. In Ship.	Inches. In Ship.	16ths In Ship.	Inches. required per Rule.	Inches. required per Rule.	if plate iron, breadth and thickness ....				
„ depth and thickness of Floor Plate at mid line .....						Stern-post, if bar iron, moulding and thickness				
„ depth and thickness of Floor Plate at Bilge Keelson .....						„ „ if plate iron, breadth and thickness				
„ Size of Reversed Angle Iron, and No. at top of Floor Plate..						Keel, if bar iron, depth and thickness.....				
Frames, Size of Angle Iron, single or double..						„ if plate iron, breadth and thickness ....				
„ „ Reversed Iron, if to every frame or every frame.....						Garboard Plates, thickness..	Description of Iron.			
Beams, Deck (N <sup>o</sup> . ) double Angle Iron or Bulb Iron with double Angle Iron on top .....						From Garboard to upper part of Bilge.....				
„ „ depth & thickness of plate amidships						From upper part of Bilge to Sheerstrakes.....				
„ „ double or single Angle Iron, on lower edge .....						Sheerstrakes .....				
„ „ average space between .....						Breadth & thickness of Butt Straps to outside plating				
„ „ if wood (N <sup>o</sup> . ) sided & moulded						Planksheers .....	Material.			
„ Hold, or Lower Deck (N <sup>o</sup> . ) double Angle Iron or Bulb Iron with double Angle Iron on top						Gunwale Plate or Stringer on ends of Up. Dk Beams				
„ „ depth & thickness of plate amidships						Angle Iron on ditto.....				
„ „ double or single Angle Iron, on lower edge .....						Waterway .....				
„ „ average space between .....						Deck.....				
„ „ if wood (N <sup>o</sup> . ) sided & moulded						Ceiling in Hold .....				
„ Paddle, wood, sided and moulded or if Iron, size of Plate .....						Ceiling betwixt Decks ....				
„ Engine „ „ „ „ .....						Beam Clamps .....				
Keelson, wood, sided & moulded, iron, size of plate, if Box, give sketch & dimensions						„ Shelf .....				
„ Side or Bilge .....						„ Stringer Plates on ends of Hold or Lower Dk Beams				
„ Number .....						Ceiling between Decks ....				
						Stringer or Tie Plates out- side Hatchways ....				
						Deck Beam Clamps .....				
						„ „ Shelf .....				
						Stringers in Hold .....				
						Deck, Lower .....				
						Deck, Upper, how fastened to Beams				

Transoms, material \_\_\_\_\_ or, if none, in what manner compensated for.

Knight-heads „ \_\_\_\_\_ Bulkheads, N<sup>o</sup>. \_\_\_\_\_ Thickness of \_\_\_\_\_

Hawse Timbers „ \_\_\_\_\_ are they free from defects? „ how secured to the sides of the ship \_\_\_\_\_

„ „ „ size of vertical angle iron and their distance apart \_\_\_\_\_

The Frames or Ribs extend in one length from \_\_\_\_\_ to \_\_\_\_\_ rivetted through plates with ( \_\_\_\_\_ in.) rivets, about ( \_\_\_\_\_ ) apart.

The reverse angle irons on the floors extend in one length across the middle line from \_\_\_\_\_ to \_\_\_\_\_

„ „ „ on the frames „ „ „ from \_\_\_\_\_ to \_\_\_\_\_

Keelson, how are the various lengths of plates or angle irons connected? \_\_\_\_\_

Plates, Garboard, double or single rivetted to keel & at upper edge, with rivets ( \_\_\_\_\_ ins.) diameter averaging ( \_\_\_\_\_ in.) from centre to centre of rivet.

„ Edges from Garboards to upper part of bilge, worked carvel with a lining piece ( \_\_\_\_\_ in.) thick, or clencher, double or single rivetted; rivets ( \_\_\_\_\_ in.) diameter, averaging ( \_\_\_\_\_ ins.) from centre to centre of rivets.

„ Butts from Keel to turn of bilge, worked carvel with a lining piece ( \_\_\_\_\_ ) thick, double or single rivetted; rivets ( \_\_\_\_\_ in.) diameter, averaging ( \_\_\_\_\_ ins.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? \_\_\_\_\_

„ Edges from bilge to planksheer, worked carvel with a lining piece ( \_\_\_\_\_ ) thick, double or single rivetted; rivets ( \_\_\_\_\_ in.) diameter, averaging ( \_\_\_\_\_ in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? \_\_\_\_\_

„ Butts from bilge to planksheers, worked carvel with a lining piece ( \_\_\_\_\_ ) thick, or clencher, double or single rivetted; rivets ( \_\_\_\_\_ in.) diameter averaging ( \_\_\_\_\_ ins.) from centre to centre of rivets. Breadth of laps in double rivetting ( \_\_\_\_\_ ) Breadth of laps in single rivetting ( \_\_\_\_\_ )

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 „ „ „ „ ? \_\_\_\_\_

Deck Beams, how secured to the side? \_\_\_\_\_

Hold or Lower Deck „ \_\_\_\_\_

Paddle „ „ \_\_\_\_\_

No. of breasthooks \_\_\_\_\_ crutches \_\_\_\_\_ how are pointers compensated? \_\_\_\_\_

What description of iron is used for the angle iron and plate iron in the vessel? \_\_\_\_\_



2569 *Len*

**Workmanship.** Are the lands or laps of the clenwork in all cases in breadth at least five times the diameter of the rivets in double rivetted edges and butts, and at least three times the diameter of the rivets where single rivetting is admitted? \_\_\_\_\_

Do the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of deficiencies? \_\_\_\_\_

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

Do the holes for rivetting plate to frames, lining pieces, or plate to plate, &c., conform well to each other? \_\_\_\_\_ and are the rivet holes well and sufficiently countersunk in the outer plate? \_\_\_\_\_

Are there any rivets which either break into or have been put through the seams or butts of the plating? \_\_\_\_\_

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

She has SAILS.		CABLES, &c.		ANCHORS, and their weights.			
N <sup>o</sup> .		Fathoms.	Inches.		N <sup>o</sup> .	Weight.	
	Fore Sails,	Chain ... <i>Testing &amp; Main 6 1/2 tons</i>	300	1 7/8	Bowditch ... <i>Ordinary</i>	1	48. - 7
	Fore Top Sails,	" <i>Stream 2 1/2 tons</i>	90	10 1/2	... <i>Robinson's patent</i>	2	36. 1. 5
<i>One</i>	Fore Topmast Stay Sails,	Hawser .....	90	9	Stream, ... <i>Ditto</i>	1	9. - 14
<i>cut</i>	Main Sails,	Towlines .....	90	8	Kedge, ... <i>Ditto</i>	2	6. - 10
<i>of</i>	Main Top Sails,	Warp .....					
<i>Sail</i>		All of <u>Good</u> quality.					

Her Standing and Running Rigging Stump sufficient in size and Good in quality.

She has Six Long Boats and \_\_\_\_\_

The present state of the Windlass is Good Capstan Good and Rudder Good Pumps Five lead, Good

General Remarks, Statement and Date of Repairs, extent of corrosion (if any) both internally and externally, and condition of rivets.

- DATES of Surveys held while building, as per Section 17.
- 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 \_\_\_\_\_
  - 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 \_\_\_\_\_

In what manner are the surfaces preserved from oxidation?

I am of opinion this Vessel should be classed \_\_\_\_\_

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

Special .....£ : :

Certificate (if required) .....£ : :

Committee's Minute 11<sup>th</sup> October 1861

Character assigned 12 1/2

*[Handwritten signatures]*



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