

IRON SHIPS.

Rec 20/1/86

(Yard No 81)

No. 8046 Survey held at Sunderland Date August 18th

18/86

on the Iron Screw Steamer "Hylloe" Master Johnson

Tonnage under tonnage deck 500.0 Built at Sunderland When built 1886 Launched Augth 11/86

Ditto of poop or spar deck

By whom built James Lang Owners J. Forster

Ditto of engine room 160.0

Total Register tonnage 340.0

Port belonging to London

Destined Voyage

Surveyed while Building, Afloat, or in Dry Dock

Whilst building

Length aloft	Fect.	Inches.	Extreme Breadth	Fect.	Inches.	Depth from top of Upper Deck Beam to top of Floor	Fect.	Inches.	Power of Engines	Horse.	N ^o . of Decks
163	0		28	4		15	0		70		One
(Dimensions of Ship per Register, length <u>164.7</u> breadth <u>28.2</u> depth <u>14.9</u>)											
Keel, if bar iron, depth and thickness	Inches in Ship.		Inches required per Rule		Plates in Garboard Strakes, breadth and thickness		Inches in Ship.		16ths in Ship.		Inches required per Rule.
" if plate iron, breadth and thickness	6 1/2 x 2 3/4		7 x 2 1/2		Ditto from Garboard to upper part of Bilges..		39		8		30
Stem, if bar iron, moulding and thickness	6 1/2 x 2 3/4		7 x 2 1/2		" from upper part of Bilge to a perpendicular height from upper side of Keel of 3/4ths the entire depth of Hold		2		7		9
" if plate iron, breadth and thickness	8 x 4 1/4		8 x 4 1/4		" from 3/4ths depth of Hold to lower edge of Sheerstrake		-		6		0
Stern-post, if bar iron, moulding and thickness	8 x 4 1/4		8 x 4 1/4		" Sheerstrake, breadth and thickness		42		8		30
" if plate iron, breadth and thickness	21		21		Butt Straps to outside plating, breadth and thickness		8 1/2		6		7 1/2
Distance of Frames from moulding edge to moulding edge, all fore and aft	3 1/2		3		Gunwale Plate or Stringer on ends of Upper Deck Beams, breadth and thickness		23		7		23
Frames, Size of Angle Iron, single or double	3 1/2		3		Angle Iron on ditto		4 x 3		7		10
" Reversed Iron, 1 to every frame	3 1/2		3		Stringer or Tie Plates fore and aft, on Upper Deck Beams, outside Hatchways		10		7		10
" and every other frame	3 1/2		3		Diagonal Tie Plates on ditto		10		7		10
Floors, depth and thickness of Floor Plate at mid line	1 1/2		7		Planksheer, materials and scantlings		10		7		10
" Ditto ditto at Bilge Keelson	5		2 1/2		Waterway ditto ditto		10		7		10
" Size of Reversed Angle Iron, and No. one at top of Floor Plate	3		2 1/2		Flat of Upper Deck, thickness and material		3 1/2		4		3 1/2
Beams, Deck (N ^o . 30) double Angle Iron, Plate, Tee, or Bulb Iron	7		7		" how fastened to Beams		3 1/2		4		3 1/2
" double or single Angle Iron, on upper edge	2 1/2		2 1/2		Ceiling betwixt Decks and in Hold, thickness and material		2 1/2		Red pine		
" average space between	3.6		7.0		Clamps or Spirketting ditto		-		-		
" Hold, or Lower Deck (N ^o . 13) double Angle, Tee, Plate, or Bulb Iron	7		7		Stringer Plates on ends of Hold or Lower Deck Beams, breadth and thickness		17 1/2		7		17 1/2
" double or single Angle Iron on upper edge	2 1/2		2 1/2		Stringer or Tie Plates fore and aft outside Hatchways, on Hold or Lower Deck Beams		None		None		
" average space between	3.6		7.0		Stringers in Hold		None		None		
" Paddle, sided and moulded, thickness of Plate size of Angle Iron	7		7		Flat of Lower Deck, thickness and material		None		None		
" Engine	7		7		Main piece of Rudder, diameter at head		4 3/4		4 1/2		
Keelson, single or double plate, box, or intercostal	Each 1 1/2		7		" " " at heel		3 3/8		3 1/4		
" Size of Plates	4		3		(Can the Rudder be unshipped afloat)		Yes				
" Size of Angle Irons	4		3		Bulkheads, N ^o . 4 Thickness of		5/16				
" Side, single or double, plate, box, or intercostal	4		3		" Height up		Three double deck				
" Bilge (No. One) at each Bilge, single, or double, plate, or box	4		3		" how secured to the sides of the ship		Between double frames				
Transoms, material	None		or, if none, in what manner compensated for		" size of vertical angle irons		2 1/2 x 2 1/2		and their distance apart		30 in.
Knight-heads, and Hawse Timbers	Iron		Floor plates & clamps		The Frames extend in one length from		Keel		to Gunwale		rivettted through plates with (7/8 in.) rivets, about (5.8) apart.
The Frames extend in one length from	Keel		to Gunwale		The reverse angle irons on the floors extend in one length across the middle line from		Bilge		to Bilge or every frame		
The reverse angle irons on the floors extend in one length across the middle line from	Bilge		to Bilge or every frame		" " " on the frames		" and from		Planks to Gunwale		Ballast-frames
" " " on the frames	" and from		Planks to Gunwale		Keelson, how are the various lengths of plates or angle irons connected?		With butt straps				
Keelson, how are the various lengths of plates or angle irons connected?	With butt straps				Plates, Garboard, double or rivettted to keel, double or at upper edge, with rivets (1/8 in.) diameter, averaging (3 1/2 in.) apart.						
Plates, Garboard, double or rivettted to keel, double or at upper edge, with rivets (1/8 in.) diameter, averaging (3 1/2 in.) apart.					" Edges from Garboards to upper part of bilge, worked clencher, double or single rivettted; with rivets (3/4 in.) diameter, averaging (2 1/2 in.) apart.						
" Edges from Garboards to upper part of bilge, worked clencher, double or single rivettted; with rivets (3/4 in.) diameter, averaging (2 1/2 in.) apart.					" Butts from Keel to turn of bilge, worked carvel with butt straps (7/16 in.) thick, double or single rivettted; with rivets (3/4 in.) diameter, averaging (2 1/2 in.) apart.						
" Butts from Keel to turn of bilge, worked carvel with butt straps (7/16 in.) thick, double or single rivettted; with rivets (3/4 in.) diameter, averaging (2 1/2 in.) apart.					Do the butt straps lap over and rivet through the lands of the strake below?		No				
Do the butt straps lap over and rivet through the lands of the strake below?	No				" Edges from bilge to sheerstrake, worked carvel with a lining piece (1/4 in.) thick, or clencher, double or single rivettted; with rivets (7/8 in.) diameter, averaging (2 1/2 in.) apart.						
" Edges from bilge to sheerstrake, worked carvel with a lining piece (1/4 in.) thick, or clencher, double or single rivettted; with rivets (7/8 in.) diameter, averaging (2 1/2 in.) apart.					Do the butt straps lap over and rivet through the lands of the strake below?		No				
Do the butt straps lap over and rivet through the lands of the strake below?	No				" Edges of Sheerstrake, double or single rivettted? At upper edge		Single tongue in		At lower edge		Double
" Edges of Sheerstrake, double or single rivettted? At upper edge	Single tongue in		At lower edge		Butts from bilge to planksheers, worked carvel with butt straps (5/16 in.) thick, double or single rivettted; with rivets (5/8 in.) diameter, averaging (2 1/2 in.) apart.						
Butts from bilge to planksheers, worked carvel with butt straps (5/16 in.) thick, double or single rivettted; with rivets (5/8 in.) diameter, averaging (2 1/2 in.) apart.					Breadth of laps in double rivettting (4)				Breadth of laps in single rivettting (2 1/2)		
Breadth of laps in double rivettting (4)					Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivettted?		Double rivettted				
Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivettted?	Double rivettted				Planksheer, how secured to the plating of the sides		Explain by sketch				
Planksheer, how secured to the plating of the sides	Explain by sketch				Waterway " " planksheer and to the Beams		if necessary.				
Waterway " " planksheer and to the Beams	if necessary.				Deck Beams, how secured to the side?		With plate knees rivettted to frames				
Deck Beams, how secured to the side?	With plate knees rivettted to frames				Hold or Lower Deck ditto		Do				
Hold or Lower Deck ditto	Do				Paddle " "						
Paddle " "					No. of breasthooks		Three		crutches		Three
No. of breasthooks	Three		crutches		Three						
What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.?	See the other side				Manufacturer's name or trade mark		See the other side				
Manufacturer's name or trade mark	See the other side				We certify that the above is a correct description of the several particulars therein given.						
We certify that the above is a correct description of the several particulars therein given.					Builder's Signature		James Lang		Surveyor's Signature		
Builder's Signature	James Lang		Surveyor's Signature								

IRON 440-0091

Senhouse Martindale

