

IRON SHIPS.

Jan 38 99

Rec 12/12/60

1864

No. 8268 Survey held at Sunderland Date 9th Dec^r

on the *Barge Queen of the South* Master *Smith*

Tonnage under tonnage deck 375.76 Built at *Sunderland* When built 1864 Launched 20th Nov^r

Ditto of poop or spar deck

By whom built *Wm. Rice, Esq. & Co.* Owners *Henry Ellis*

Total Register tonnage 375.76

Port belonging to *London*

Destined Voyage *London to Cape of Good Hope*

Surveyed while Building, Afloat, or in Dry Dock

Length aloft	Feet.	Inches.	Extreme Breadth	Feet.	Inches.	Depth from top of Upper Deck Beam to top of Floor	Feet.	Inches.	Power of Engines	Horse.	N ^o . of Decks	
145			25			15					One	
(Dimensions of Ship per Register, length 145 breadth 25 depth 15.35)												
Keel, if bar iron, depth and thickness	Inches in Ship.		Inches required per Rule.									
" if plate iron, breadth and thickness	6 1/2 x 2 1/4		6 1/2 x 2 1/4									
Stem, if bar iron, moulding and thickness	6 1/2 x 2 1/4		6 1/2 x 2 1/4									
" if plate iron, breadth and thickness	6 1/2 x 2 1/4		6 1/2 x 2 1/4									
Stern-post, if bar iron, moulding and thickness	6 1/2 x 2 1/4		6 1/2 x 2 1/4									
" if plate iron, breadth and thickness	6 1/2 x 2 1/4		6 1/2 x 2 1/4									
Distance of Frames from moulding edge to moulding edge, all fore and aft	23		23									
Frames, Size of Angle Iron, single or double	3		3		6		3 1/2		2 1/2		6	
Reversed Iron, to every frame	2 1/2		2 1/2		5		2 1/2		2 1/2		5	
Floors, depth and thickness of Floor Plate at mid line	14		14		14		14		14		14	
" Ditto ditto at Bilge Keelson	7		7		7		7		7		7	
" Size of Reversed Angle Iron, and No. at top of Floor Plate	2 1/2		2 1/2		5		2 1/2		2 1/2		5	
Beams, Deck (N ^o . 137) double Angle Iron, Plate, Tee, or Bulb Iron	6		6		6		6 1/4		6		6	
" double or single Angle Iron, on upper edge	2 1/2		2 1/2		6		2 1/4		2 1/4		5	
" average space between on every alternate frame	6		6		6		6		6		6	
" Hold, or Lower Deck (N ^o . 20) double Angle, Tee, Plate, or Bulb Iron	6		6		6		6 1/4		6		6	
" double or single Angle Iron, on upper edge	2 1/2		2 1/2		6		2 1/4		2 1/4		5	
" average space between on every second and fourth frame alternately	6		6		6		6		6		6	
" Paddle, sided and moulded, thickness of Plate size of Angle Iron	12		12		12		12		12		12	
" Engine " " " "	12		12		12		12		12		12	
Keelson, single or double plate, box, or intercostal	12		12		12		12		12		12	
" Size of Plates	12		12		12		12		12		12	
" Size of Angle Irons	3 1/2		3 1/2		6		3 1/2		3		6	
" Side, single or double, plate, box, or intercostal	12		12		12		12		12		12	
" Bilge (No. 1) at each Bilge, single, or double, plate, or box	12		12		12		12		12		12	
Transoms material <i>Iron</i> or, if none, in what manner compensated for.												
Knight-heads, and Hawse Timbers	<i>Iron</i>											
The Frames extend in one length from <i>Keel</i> to <i>Gunwale</i> rivetted through plates with (3/4 in.) rivets, about (2 1/2) apart.												
The reverse angle irons on the floors extend in one length across the middle line from <i>Keel</i> to <i>Gunwale</i> rivetted through plates with (3/4 in.) rivets, about (2 1/2) apart.												
" " " on the frames " " " from <i>Keel</i> and to <i>the upper part of Bilges on every</i>												
Keelson, how are the various lengths of plates or angle irons connected? <i>Both with butt straps.</i>												
Plates, Garboard, double or rivetted to keel, double or <i>and</i> at upper edge, with rivets (1/2 in.) diameter, averaging (3 1/2 in.) apart.												
" Edges from Garboards to upper part of bilge, worked clenchier, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 1/2 in.) apart.												
" Butts from Keel to turn of bilge, worked carvel with butt straps (1/2 in.) thick, double or single rivetted; 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? <i>No</i>												
" Edges from bilge to sheerstrake, worked carvel with a lining piece () thick, or clenchier, double or single rivetted; 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? <i>No</i>												
" Edges of Sheerstrake, double or single rivetted? At upper edge <i>Single, and</i> At lower edge <i>Double (see sketch)</i>												
" Butts from bilge to planksheers, worked carvel with butt straps (1/2 in.) thick, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 1/2 in.) apart. Breadth of laps in double rivetting (1 1/2) Breadth of laps in single rivetting (2 1/2)												
Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted? <i>Double rivetted</i>												
Planksheer, how secured to the plating of the sides { Explain by sketch } <i>See sketch sent herewith</i>												
Waterway " " planksheer and to the Beams { if necessary. } <i>See sketch</i>												
Deck Beams, how secured to the side? <i>Turned down and rivetted to frames</i>												
Hold or Lower Deck ditto <i>With knee plates as per Rules</i>												
Paddle " " No. of breasthooks <i>Four</i> crutches <i>Four</i>												
What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.? <i>Best Ship Quality</i>												
Manufacturer's name or trade mark <i>Angle iron from Hecker, Liverpool & Co. Plate as from Shotton Bridge Co.</i>												
We certify that the above is a correct description of the several particulars therein given.												
Builder's Signature <i>M. P. B. & Co.</i> Surveyor's Signature <i>Thomas Lawrence</i>												

IRON 438-0056

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Workmanship. Are the lands or laps of the cleachwork in all cases in breadth at least five and a half times the diameter of the rivets in d rivetted edges and butts, and at least three and a quarter times the diameter of the rivets where single rivetting is admitted? They are
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? or are they in short lengths of various thicknesses? Solid with single pieces
Do the holes for rivetting plate to frames, butt straps, or plate to plate, &c., conform well to each other? They do 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? Very 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.)

The Masts, Bowsprit and Yards are of Red Pine.

She has SAILS.			CABLES, &c.			ANCHORS, and their weights.			
N ^o .			Fathoms.	Inches.	Tested to Tons.	N ^o .	Weight	Tested to Tons.	
2	Fore Sails,	Chain	240	1 1/2	24	Bowers, <i>all Royal</i>	3	18-20	20
2	Fore Top Sails,	Hempen Stream Cable	90	0	"	"	"	15-0-14	10 1/2
2	Fore Topmast Stay Sails,	Hawser	60	5	"	"	"	11-3-0	14
1	Main Sails,	Towlines	90	5	"	Stream,	1	6-0-14	
2	Main Top Sails,	Warp	90	4	"	Kedges,	2	2-3-14	
and <i>show as usual</i>		All of <i>Good</i> quality.						1-3-0	
Her Standing and Running Rigging			<i>is of Wire & Hemp</i> sufficient in size and			<i>Good</i> in quality.			
She has <i>2</i>			Long Boat and <i>two others</i>						
The present state of the Windlass is <i>sound</i>			Capstan <i>2 trunks</i> and Rudder <i>and</i>			Pumps <i>New and Good</i>			

Order for Special Survey	DATES of	1st. On the several parts of the frame, when in place, and before the plating was wrought	<u>Built under Special Survey from 20th Sep^r 2 to the present date</u>
No. <u>1565</u>	Surveys held	2nd. On the plating during the progress of rivetting	
Date <u>June 20</u>	while building	3rd. When the beams were in and fastened, and before the decks were laid	
Order for Ordinary Survey	as per	4th. When the ship was complete, and before the plating was finally coated	
No. _____	Section 18.	5th. After the ship was launched	
Date _____			
State if she has a Spar Deck <u>No</u> Poop <u>No</u> Forecastle <u>Low, & Quarter</u> <u>46 feet by 37 1/2</u>			

General Remarks,

The testing certificates of chain cables, and anchors, signed by Mr. J. M. Thompson, have been produced.

In what manner are the surfaces preserved from oxidation? Inside by cement to the upper part of Bilges
Ditto ditto Outside By paints of different kinds.

I am of opinion this Vessel should be Classed A. 1.
The amount of the Fee£ 4 : : : is received by me,
per Mr. M. J. Special£ 18 : 15 : :
Certificate (if required)£ : : : :

Committee's Minute 13th December 1864

Character assigned A. 1.

Thomas Lawrence

This Sailing Barge of Don appears to be eligible for Classification as recommended above

Lloyd's Register
Foundation