

# IRON SHIPS.

No. 13238 Survey held at Liverpool Date March & May 9 1855  
on the Bk Contest Master not fixed

Tonnage Gross Engine Room in Register 285  $\frac{9}{100}$  Built at Liverpool  
When Built 1855 By whom built Cato Miller & Co Owners The Contest  
Launched 20th March

Port belonging to Liverpool Destined Voyage Newfoundland

If Surveyed Afloat or in Dry Dock while building Specially

Length aloft 138 Feet. Inches. Extreme Breadth 20 Feet. Inches. Depth from Beam to top of Floor 14 Feet. Inches. Power of Engines ... Horse No. ...

Distance between Floors amidships	Feet.	Inches.	Sketch, when necessary.	Stem, if bar iron, moulding and thickness	Inches.	Stls.	Sketch, when necessary.
" " " forward and aft	1	6		" if plate iron, breadth and thickness	6	1 1/4	
" " Ribs amidships	1	4		Stern-post, if bar iron, moulding and thickness	4	-	
" " " forward and aft	1	4		" " if plate iron, breadth and thickness	5	2 1/2	tapering to 2 all round
Floors, Size of Angle Iron, and No. / at bottom of Floor Plate	3	3	7/16	Keel, if bar iron, depth and thickness	6	2	
" depth & thickness of Plate at mid line	-	18	7/16	" if plate iron, breadth and thickness	-	-	
" " " at turn of bilge	-	-	-	Garboard Plates, thickness	-	9/16	
" Size of Reversed Angle Iron, and No. / at top of Floor Plate	3	3	6/16	" to bilge	-	7/16	ends 6/16
Ribs, Size of Angle Iron, single or double	3	3	7/16	Bilge	-	8/16	
" " Reversed Iron, to every frame	2 1/2	2 1/2	6/16	" to Wales	-	7/16	
" " every alter frame	2 1/2	2 1/2	6/16	Wales	-	7/16	
Beams, Deck (No. of alternate double or single)	5	3	8/16	Topsides	-	7/16	
" " Angle Iron, every alter frame	5	3	8/16	Sheer-strakes	-	7/16	ends 6/16
" " depth & thickness of Plate amidships	5	3	7/16	Planksheers	-	12x6	
" " double or single Angle Iron, on lower edge	5	3	7/16	Gunwale Plate or Stringer	-	16	7/16
" " average space between	6	8/16		Waterway	-	3	
" " if wood (No. ) sided & moulded	6	8/16		Deck	-	3	
" Hold, (No. ) double or single Angle Iron	6	8/16		Ceiling in flat	-	2 1/2	
" " depth & thickness of Plate amidships	6	8/16		Bilge Planks inside	-	2 1/2	
" " double or single Angle Iron, on lower edge	6	8/16		Ceiling from Bilge to Clamps	-	2 1/2	
" " average space between	6	8/16		Hold Beam Clamps	-	8	2 1/2
" " if wood (No. ) sided & moulded	6	8/16		" " Shelf	-	4	3 x 8/16
" Paddle, wood, sided and moulded or if Iron, size of Plate	6	8/16		" " Stringers	-	4	3 x 8/16
" Engine	6	8/16		Ceiling between Decks	-	2 1/2	
Keelson, wood, sided & moulded, iron, size of plate, if iron, give sketch & dimensions	5	8	12/16	Stringers	-	10	8/16
" " Side or Bilge	4	8	12/16	Deck Beam Clamps	-	10	8/16
" " Number	4	8	8/16	" " Shelf	-	-	
				Stringers in Hold	-	-	
				Deck, Lower	-	-	

Transoms, material wood if none, in what manner compensated for. adjusting frames

Knight-heads English Oak are they free from defects? yes

Hawse Timbers English Oak are they free from defects? yes

The Ribs extend in one length from Keel to gunwale rivetted through plates with (5/8 in.) rivets, about (6 in.) apart.

The reverse angle irons on the floors extend in one length across the middle line from gunwale to gunwale alternately the other

" " " on the ribs every alter from gunwale to lower part of Bilge scarping 3 feet

Keelson, if wood, length of scarp see above if iron, how are the various lengths connected?

Plates, Garboard, double or single rivetted to keel, with rivets (1 in.) diameter averaging (2 1/4 in.) from centre to centre of rivet.

" edges from Garboards to turn of bilge, worked carvel with a lining piece (7/16 in.) thick, or clencher, double or single rivetted; rivets (5/8 in.) diameter, averaging (2 1/4 ins.) from centre to centre of rivets.

" butts from Garboards to turn of bilge, worked carvel with a lining piece (7/16) thick, double or single rivetted; rivets (5/8 in.) diameter, averaging (2 1/4 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 (7/16) thick, clencher, double or single rivetted; rivets (5/8 in.) diameter, averaging (2 1/4 ins.) from centre to centre of rivets.

" butts from bilge to wales, worked carvel with a lining piece (7/16) thick, double or single rivetted; rivets (5/8 in.) diameter, averaging (2 1/4 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 (7/16) thick, or clencher, double or single rivetted; rivets (5/8 in.) diameter, averaging (2 1/4 ins.) from centre to centre of rivets.

Planksheer, how secured to the plating of the sides

Waterway " " planksheer and to the beams

Side trussing " " breadth and thickness of plates

Deck trussing " " how secured

Deck Beams, how secured to the side corner Beam plates

Hold " " corner Beam plates

Paddle " " corner Beam plates

No. of breasthooks 2 aloft The lower cant timber connected from side to side

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

Builder's Signature Cato Miller & Co

SEYFANG & CO., PRINTERS, FARRINGTON STREET, LONDON.

120 W 31A 0120



**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? *in pieces the width of the plate*  
 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? *yes*

802 Iron

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> .	
2	Fore Sails,	200	Chain	1 1/4 to 1 1/8	3	Bower,
2	Fore Top Sails,	80	Stream chain	3/4	1	Stream,
2	Fore Topmast Stay Sails,	90	Hawser	8	2	Kedge,
1	Main Sails,	90	Towlines	5 1/2		
2	Main Top Sails,	90	Warp	3		
and <i>the light sail</i>			All of <i>good</i> quality.			

Her Standing and Running Rigging *is Hand* sufficient in size and *good* in quality.

She has *One* Long Boat and *2 others*

The present state of the Windlass is *good* Capstan *good* and Rudder *good* Pumps *good*

#### GENERAL REMARKS.

Statement and date of repairs; extent of corrosion (if any) both internally and externally; and condition of rivets.

*This vessel has two water tight bulkheads the fore one about 32 ft from Stem on light water line & the after one about 38 ft from the stern post of 3/8 plates stiffened with Half round iron 3x1 & 2 ft 9 in apart rivetted to the angle iron of the frames & to the Deck beams the garboard strake then & then for belge plate & lower part of sheer strakes are all double rivetted the Butts are only single rivetted*

In what manner are the surfaces preserved from oxidation? *Coated with Paint*

I am of opinion this Vessel should be Classed *A1*

The Amount of the Fee.....£ 3 : : : is received by me

Special .....£ 14 : 5 : 14/6/53

Certificate (if required) .....£ *Gratis*

Committee's Minute *22<sup>nd</sup> June* 1855

Character assigned *A1*



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