

# 932 IRON SHIPS.

No. 6268 Survey held at West Hartlepool Date January 24 1856  
 on the Ship Sir Charles Napier Master John Napton.

Tonnage Gross 1160, 85 Engine Room Register Built at Newcastle.  
 When Built 1856 By whom built Couss & Partinon Owners Featherstone & Elder  
 Port belonging to Newcastle Destined Voyage Madras.  
 If Surveyed Afloat or in Dry Dock In Masts Piles Dry dock Launched 20<sup>th</sup> March 1855

Length aloft 188 <sup>Feet.</sup> 4 <sup>Inches.</sup> Extreme Breadth 35 <sup>Feet.</sup> 0 <sup>Inches.</sup> Depth from Beam to top of Floor 19 <sup>Feet.</sup> 9 <sup>Inches.</sup> Power of Engines      Horse No.     

	Feet.	Inches.	Sketch, when necessary.	Feet.	Inches.	Feet.	Inches.	Power of Engines	Horse No.
Distance between Floors amidships	12			35	0	19	9		
" " " forward and aft	12		at the ends						
" " Ribs amidships	12		Closer spaced below						
" " " forward and aft	12		than 12 ins						
Floors, Size of Angle Iron, and No. / at bottom of Floor Plate	4	by 3							
" depth & thickness of Plate at mid line	15	ins by 12							
" " " at turn of bilge	8	by 12							
" Size of Reversed Angle Iron, and No. / at top of Floor Plate	2	by 2							
Ribs, Size of Angle Iron, single or double	4	by 3							
" " Reversed Iron, if to every frame, or every other frame	2	by 2							
Beams, Deck (N <sup>o</sup> . 41) double or single Angle Iron on upper edge	7	ins deep by 7/8 thick							
" " depth & thickness of plate amidships	Bulb iron	and 2 by 2							
" " double or single Angle Iron, on lower edge	4	feet or 13 beam							
" " average space between	4	feet or 13 beam							
" " if wood (N <sup>o</sup> . ) sided & moulded									
" Hold, (N <sup>o</sup> . 40) double or single Angle Iron on upper edge	7	ins by 7/8 with							
" " depth & thickness of plate amidships	double angle iron	on upper edge 2 by 2							
" " double or single Angle Iron, on lower edge	and bulb as above								
" " average space between	4	feet							
" " if wood (N <sup>o</sup> . ) sided & moulded									
" Paddle, wood, sided and moulded or if Iron, size of Plate	Spar deck 3 1/2	ins							
" Engine " " " "	4 2 in	ins, and 4 by 3							
Keelson, wood, sided & moulded, iron, size of plate, if Box, give sketch & dimensions	angle iron, irregularly	spaced 3 to 4 ft							
" Side or Bilge	2 1/2	ins by 1/2							
" Number	4	by 3							
Transoms, material Iron 1/2 ins Plate & Ribs or, if none, in what manner compensated for.									
Knight-heads	Iron Plates & Ribs								
Hawse Timbers	Ribs & Plates								
The Ribs extend in one length from	Keel	to Gunwale							
The reverse angle irons on the floors extend in one length across the middle line from	Side	to Side							
" " " on the ribs	"	"							
Keelson, if wood, length of scarp									
Plates, Garboard, double or single rivetted to keel, with rivets (1/8 ins.) diameter averaging (3 in.) from centre to centre of rivet.									
" edges from Garboards to turn of bilge, worked carvel with a lining piece ( ) thick, or clencher, double or single rivetted; rivets (3/4 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 (5/8) thick, double or single rivetted; rivets (3/4 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? <u>yes</u>									
" edges from bilge to wales, worked carvel with a lining piece ( ) thick, or clencher, double or single rivetted; rivets (1 3/4 in.) diameter, averaging (2 1/4 ins.) from centre to centre of rivets.									
" butts from bilge to wales, worked carvel with a lining piece (1/2) thick, double or single rivetted; rivets (3/4 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? <u>yes</u>									
" edges of wales and to planksheers, worked carvel with a lining piece ( ) thick, or clencher, double or single rivetted; rivets (3/4 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									
Deck Beams, how secured to the side	The ends are forged and turned down to Bracket Plates								
Hold " " " " " " " "	Do " " " " " " " "								
Paddle " the Ribs have thwartship Plates rivetted to them									
No. of breasthooks compensated	how are pointers compensated?	by Ribs & Plating							
What description of iron is used for the angle iron and bar iron in the vessel?	Best Ship Iron								



X

Samuel P. Nixon  
 Builder's Signature

932 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? *well*  
Do the fillings between the ribs and plates fill in all solid with sliver pieces, or are they in short lengths? *Solid pieces*  
Do the holes for rivetting plate to lining piece, or plate to plate, &c., answer well to each other? *well* and are the rivet holes well and sufficiently countersunk in the outer plate? *well counter sunk*  
Are there any rivets which either break into or have been put through the seams or butts of the plating? *none seen*  
Was the plating caulked internally in the wake of the frames or ribs? *not usual*

*She has four Bulkheads up to the height of Hold Beams (as the Tynemouth Report No 511) made of 1/4 plate. Stiffened and supported on each side by convex Iron bars 2 1/2 ins broad and 5/8 thick rivetted to the fore and aft sides and fitted diagonally and crossing each other. # about 3/4 apart*

Her Masts, Yards, &c., are in *excellently* 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,	300	Chain .....	1 1/16	3	34 " 1 " 14 Common
2	Fore Top Sails,	100	Hawser chain .....	17/16	1	32 " 3 " 19 Anchors
2	Fore Topmast Stay Sails,	80	Hempen Stream Cable .....	9	1	31 " 1 " 7
2	Main Sails,	80	Hawser .....	6 3/4	1	Stream, 6 " 0 " 3
2	Main Top Sails,	60	Towlines .....	6 3/4		Kedge, 2 " 1 " 4
	and <i>well found</i>	60	Warp .....	6 3/4		
			All of <i>best</i> quality.	5 3/4		

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

She has *a* Long Boat and *five others including a Safety Boat*

The present state of the Windlass is *effict* Capstan *effict* and Rudder *effict* Pumps *effict* *4 in No. 11*

GENERAL REMARKS.

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

*This Vessel has three flush layed decks. - Viz Up<sup>r</sup>, Mid<sup>r</sup>, & Lower.*

*Done at this date, lifted the whole of the Ceiling or Lining fore and aft below the Hold Beams. Scraped and Cleaned the Plating Outside and inside. Examined the Rivets. Removed all that were found sprung or suspicious. Completed the Rivetting of floor Plates. Reversed Angle Irons. Butts of Ribs & Stringers? Supplied a new Rudder 5 by 10 at the neck instead of the former 2 7/8 by 7. and made it to ship and unship. - Secured and Bolted the tail of Cathedrals: fitted knees and other support to the Windlass & Paul Bitts. Two more Beams to Spar Deck. - new Iron Stanchions to Spar Deck Beams 2 1/2 diam<sup>r</sup>, instead of 1 1/2. - Trelaid the Ceiling or Lining. Coated the Plating with Red lead inside, and outside with "Peacocks Anti Corrosive"*

*part of the Turn " Neck Ceiling.*

In what manner are the surfaces preserved from oxidation? *2 coats of Red lead inside and outside two coats with one of Peacocks.*

I am of opinion this Vessel should be classed *A. 1.*

The amount of the Fee .....£ 5 : - : - is received by me,

Special .....£ 10 : 10 : -

Certificate (if required) .....£ - : 5 : -

*Samuel P. King*

Committee's Minute *29<sup>th</sup> January 1856*

Character assigned *5<sup>th</sup> February*

*Built of Iron*

*deferred*  
*London Surveyors to*  
*as to his efficiency*  
*2019*  
*Lloyd's Register*  
*Foundation*