

Compared with Tables for 9 years grade
IRON SHIPS.

20457

1042

No. 400 Survey held at London Date 10th July 12 18 56
on the Screw Steam Ship "Chester" Master Gillatt
Tonnage Gross 567 Engine Room 126 Register 441 Built at Chester
When Built 1854 By whom built G. Crani Owners Genl Iron Screw Coll^y Co
Port belonging to London Destined Voyage _____

Surveyed Afloat or in Dry Dock Lungley's Dry Dock & London Dock
Last Survey 723 off Iron Ships

Length aloft 160 Extreme Breadth.... 26 6 Depth from Beam to top of Floor.. 14 8 1/2 Power of Engines.... 70

	Feet. In Ship.	Inches. In Ship.	Feet. In Ship.	Inches. In Ship.	Feet. In Ship.	Inches. In Ship.	Feet. In Ship.	Inches. In Ship.	Horse No.
Distance between Floors amidships	1	2 1/2	1	6					
" " " forward and aft	1	7	1	6					
" " Ribs amidships	1	2 1/2	1	6					
" " " forward and aft	1	7	1	6					
Floors, Size of Angle Iron, and No. <u>single</u> bottom of Floor Plate	4	3	3	3 1/2 x 2 3/4 x 7/16					
" depth & thickness of Plate at mid line..	2 1/2	4 1/2	3	1-2 x 7/16					
" " " at turn of bilge	1	7							
" Size of Reversed Angle Iron, and No. <u>single</u> top of Floor Plate..	3	3	1/2	2 1/2 x 2 1/4 x 6/16					
Ribs, Size of Angle Iron, single or double	4 x 3	1/2	3 1/4 x 2 1/4 x 7/16						
" " Reversed Iron, if to every frame or every frame									
Beams, Deck (N ^o . <u>40</u>) double or single Angle Iron	5 x 3	5/8 x 1/2							
" " depth & thickness of plate amidships									
" " double or single Angle Iron, on lower edge	5 x 3	5/8 x 1/2							
" " average space between									
" " if wood (N ^o .) sided & moulded									
" Held, (N ^o . <u>25</u>) double or single Angle Iron	5 x 3	5/8 x 1/2							
" " depth & thickness of plate amidships									
" " double or single Angle Iron, on lower edge									
" " average space between									
" " if wood (N ^o .) sided & moulded									
" Paddle, wood, sided and moulded or if Iron, size of Plate									
" Engine " " " " " " " " " "									
Keelson, wood, sided & moulded, iron, size of <u>Plank Box</u> , give sketch & dimensions	12 x 6	7/16							
" Side or Bilge									
" Number	3 x 3	3/8							

Stem, if bar iron, moulding and thickness	6 x 2 1/2	6 1/2 x 2 1/2
" if plate iron, breadth and thickness		
Stern-post, if bar iron, moulding and thickness	7 x 4	6 3/4 x 5
" " if plate iron, breadth and thickness		
Keel, if bar iron, depth and thickness	6 x 2 1/2	6 x 2 1/2
" if plate iron, breadth and thickness	6	4 1/2
Garboard Plates, thickness..	Description of Iron.	
" to bilge "	5/8 x 1/2	9/16
Bilge "	1/2 x 1/2	9/16
" to Wales "	1/2 x 3/8	9/16
Wales "	7/16 x 3/8	7/16
Topsides "	7/16 x 3/8	7/16
Sheerstrakes "	1/2 x 3/8	9/16
Planksheers "	Red Pine 8 1/2	
Gunwale Plate or Stringer..	Iron 22 x 7/16	15 x 7/16
Waterway	Red Pine 8 1/2	8
Deck	Yellow Pine 3 1/2	3 1/2
Ceiling in flat	Rock Elm 3	
Bilge Planks inside		
Ceiling from Bilge to Clamps		
Hold Beam Clamps		
" " Shelf		
" " Stringers	Iron 13 1/2 x 3/8	15 x 7/16
Ceiling between Decks		
Stringers " "		
Deck Beam Clamps		
" " Shelf		
Stringers in Hold		
Deck, Lower		

Transoms, material none or, if none, in what manner compensated for, Framed Elliptic Stern & Iron Cabin deck on Hold Beams
Knight-heads " African Oak are they free from defects? Yes
Hawse Timbers " none Bulkheads, N^o. three Thickness of _____

The Ribs extend in one length from Keel to Bilge & from Bilge to gunwale rivetted through plates with (3/4 in.) rivets, about (6 to 7) apart.
The reverse angle irons on the floors extend in one length across the middle line from Bilge to Bilge

" " " on the ribs " " " from none to
Keelson, if wood, length of scarph if iron, how are the various lengths connected? By 6 Iron & lining pieces

Plates, Garboard, double or single rivetted to keel, with rivets (7/8 ins.) diameter averaging (3 1/2 in.) from centre to centre of rivet.

" edges from Garboards to turn of bilge, worked carvel with a lining piece (in.) thick, or clencher, double or single rivetted; rivets (3/4 in.) diameter, averaging (2 1/2 ins.) from centre to centre of rivets.

" butts from Garboards to turn of bilge, worked carvel with a lining piece (4 1/2) 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? Yes & above

" edges from bilge to wales, worked carvel with a lining piece () thick or clencher, double or single rivetted; rivets (3/4 in.) diameter, averaging (2 1/2 ins.) from centre to centre of rivets.

" butts from bilge to wales, worked carvel with a lining piece (4 1/2) thick, double or single rivetted; rivets (3/4 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? Yes & above

" 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 (ins.) from centre to centre of rivets.

Planksheer, how secured to the plating of the sides { Explain by sketch, } Planksheer & waterway in one bottom
Waterway " " planksheer and to the Beams { if necessary. } to Gunwale Plate & Angle Iron

Side trussing breadth and thickness of plates how secured

Deck trussing " "
Deck Beams, how secured to the side Rivetted to the Ribs by knee plates

Hold " " "
Paddle " " "

No. of breasthooks crutches how are pointers compensated? Framed Elliptic Stern & Stringer plates
What description of iron is used for the angle iron and bar iron in the vessel? Builder's Signature

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?
 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?
 Are there any rivets which either break into or have been put through the seams or butts of the plating?
 Was the plating caulked internally in the wake of the frames or ribs?

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

She has SAILS.

CABLES, &c.

ANCHORS, and their weights.

N ^o .			Fathoms.	Inches.		N ^o .	Weight.
<i>two,</i>	Fore Sails,	Chain			Bower,	<i>3</i>	
<i>sails</i>	Fore Top Sails,	Hempen Stream Cable			Stream,	<i>1</i>	<i>good & sufficient</i>
	Fore Topmast Stay Sails,	Hawser			Kedge,	<i>2</i>	
	Main Sails,	Towlines	<i>good & sufficient</i>				
	Main Top Sails,	Warp					
and		All of _____ quality.					

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

She has *one Long Boat* ~~Dory Boat~~ and *two others good & sufficient*

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

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 _____

" This vessel was built expressly for the conveyance of Coals
 She has a double bottom and both water tight from the
 Fore to the After Bulkheads, intended for water ballast.
 She has three water tight Bulkheads up to the upper Deck Beams. "

Repairs now done. — Some of rivets in Bottom plating
 renewed also one new Boiler. The outer surface of Bottom
 plating scraped and payed with one coat of Paint, composed
 of black lead and a black varnish.

This Report shows her scantling compared with one of the
9 A grade, and those in Red Ink their slight deficiencies
 for that grade.

This vessel is single rivetted throughout, and also the
 Deck is fastened with short screw bolts from the lower
 part, for more particulars see first Entry Report.
 She is a strong ship in other respects, and in our opinion eligible
 for the Class recommended below.

In what manner are the surfaces preserved from oxidation?

I am of opinion this Vessel should be classed *9 A 1.*

The amount of the Fee£ *1* : — is received by me,

Special£ *1* : *1* : —

Certificate (if required)£ : *5* : —

Committee's Minute *22nd July 1856*

Character assigned *1 for 6 years*

Special
 for Repairs, Charge } *1-1-0*

H. Boulds



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