

2404  
**IRON SHIPS.**

Request for 5.5.1902

Rec 17/4/02

No. 1782 Survey held at Glasgow Date 26th March 18

on the S.S. "Anania" Master G. Chase

Tonnage Gross 1834 Engine Room 540 Register 1284 Built at Glasgow

When Built 1860 By whom built J & S Thomson Owners Papayanni

Port belonging to Liverpool Destined Voyage Mediterranean

If Surveyed Afloat or in Dry Dock While Building and Offshore

Length aloft	Extreme Breadth		Depth from top of Upper Deck Beam to top of Floor		Power of Engines		Horse No.
	Feet	Inches	Feet	Inches	Feet	Inches	
119 7/10	31	13	35	9/10	280	280	
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	Inches in Ship. 18		Inches required per Rule. 15		Stem, if bar iron, moulding and thickness 10 3 10 3		
Floors, Size of Angle Iron, and No. at bottom of Floor Plate	Inches. In Ship. 5 1/2 3 1/2		Inches. In Ship. 10 1/2 5 1/2 3 1/2 10 1/2		Stem, if plate iron, breadth and thickness		
depth and thickness of Floor Plate at mid line	26 1/2		25 1/2 1/2 9 1/2		Stern-post, if bar iron, moulding and thickness 10 6 10 6		
depth and thickness of Floor Plate at Bilge Keelson	11 1/2		14 1/2		if plate iron, breadth and thickness 12 5 10 6		
Size of Reversed Angle Iron, and No. at top of Floor Plate	14 3 1/2 9 1/2 14 3 1/2 9 1/2		14 3 1/2 9 1/2		Keel, if bar iron, depth and thickness 10 3 10 3		
Frames, Size of Angle Iron, single or double	5 1/2 3 1/2 10 1/2 5 1/2 3 1/2 10 1/2		5 1/2 3 1/2 10 1/2		if plate iron, breadth and thickness		
Reversed Iron, if to every frame or every other frame	14 3 1/2 9 1/2 14 3 1/2 9 1/2		14 3 1/2 9 1/2		Garboard Plates, thickness		
Beams, Deck (N. 12) double Angle Iron or Bulb Iron with double Angle Iron on top	3 3 3 1/2 3 3 1/2 3 1/2		3 3 3 1/2 3 3 1/2 3 1/2		From Garboard to upper part of Bilge		
depth & thickness of plate amidships	4 1/2 1/2		4 1/2 1/2		From upper part of Bilge to Sheerstrakes		
double or single Angle Iron, on lower edge	4 1/2 9 1/2		4 1/2 9 1/2		Sheerstrakes		
average space between	3 feet		3 feet		Breadth & thickness of Butt Straps to outside plating		
if wood (N. ) sided & moulded	3 feet		3 feet		Planksheers		
Hold, or Lower Deck (N. 11) double Angle Iron or Bulb Iron with double Angle Iron on top	14 3 1/2 3 1/2 3 1/2 3 1/2		14 3 1/2 3 1/2 3 1/2 3 1/2		Gunwale Plate or Stringer on ends of Up. Dk Beams		
depth & thickness of plate amidships	9 1/2 1/2		9 1/2 1/2		Angle Iron on ditto		
double or single Angle Iron, on lower edge	Bulb		Bulb		Waterway		
average space between	3 feet		3 feet		Deck		
if wood (N. ) sided & moulded	3 feet		3 feet		Ceiling in Hold		
Paddle, wood, sided and moulded or if Iron, size of Plate	8 x 9 1/2		8 x 9 1/2		Ceiling betwixt Decks		
Engine	8 x 9 1/2		8 x 9 1/2		Beam Clamps		
Keelson, wood, sided & moulded, iron, size of plate, if Box, give sketch & dimensions	31 1/2 1/2		31 1/2 1/2		Shelf		
Side of Bilge	7 14 9 1/2 6 5 9 1/2		7 14 9 1/2 6 5 9 1/2		Stringer Plates on ends of Hold or Lower Dk Beams		
Number	24 9 1/2		24 9 1/2		Ceiling between Decks		

Transoms, material Plate or, if none, in what manner compensated for.

Knight-heads " " Bulkheads, N. Six Thickness of 9/16

Hawse Timbers " " are they free from defects? " how secured to the sides of the ship Between Double Frames

The Frames or Ribs extend in one length from Keel to Gunwale rivetted through plates with ( 7/8 in.) rivets, about ( 1/2 in.) apart.

The reverse angle irons on the floors extend in one length across the middle line from Keel to Lower Deck and " " on the frames " " from Keel to Upper Deck

Keelson, how are the various lengths of plates or angle irons connected? Keelson is rivetted to plates & rivetted on top of plating

Plates, Garboard, double or single rivetted to keel & at upper edge, with rivets ( 1/2 in.) diameter averaging ( 3 1/2 in.) from centre to centre of rivet.

Edges from Garboards to upper part of bilge, worked carvel with a lining piece ( 1/2 in.) thick, or clencher, double or single rivetted; rivets ( 7/8 in.) diameter, averaging ( 3 ins.) from centre to centre of rivets.

Butts from Keel to turn of bilge, worked carvel with a lining piece ( 1/2 in.) thick, double or single rivetted; rivets ( 7/8 in.) diameter averaging ( 3 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 planksheer, worked carvel with a lining piece ( 1/2 in.) thick, double or single rivetted; rivets ( 7/8 in.) diameter, averaging ( 3 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? Yes

Butts from bilge to planksheers, worked carvel with a lining piece ( 1/2 in.) thick, or clencher, double or single rivetted; rivets ( 7/8 in.) diameter averaging ( 3 ins.) from centre to centre of rivets. Breadth of laps in double rivetting ( 4 1/2 ) Breadth of laps in single rivetting ( 4 )

Planksheer, how secured to the plating of the sides Explain by sketch, Plated to stringer while plating

Waterway " " planksheer and to the Beams if necessary. See sketch

Side trussing breadth and thickness of plates how secured? 14 x 1/2

Deck trussing Diagonally " " Rivetted to Angle Iron on Beams

Deck Beams, how secured to the side? Welded & rivetted to frames

Hold or Lower Deck " " do do

Paddle " " do do

No. of breasthooks 6 crutches 7 how are pointers compensated? do

What description of iron is used for the angle iron and plate iron in the vessel? Blackburne Puddled Builder's Signature James & George Thomson

Steel for 200 feet of Sheerstrake & half of Gunwale Stringer

Iron for 200 feet of Sheerstrake & half of Gunwale Stringer

Iron for 200 feet of Sheerstrake & half of Gunwale Stringer

IRON 435-0014

2404 Iron

Workmanship. Are the lands or laps of the clenchwork in all cases in breadth at least five times the diameter of the rivets in double rivetted edges and butts, and at least three times the diameter of the rivets where single rivetting is admitted? 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 solid with single pieces, or are they in short lengths of various thicknesses? Solid in one length

Do the holes for rivetting plate to frames, lining pieces, or plate to plate, &c., conform 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

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> .	Description	CABLES, &c.		ANCHORS, and their weights.		
		Fathoms.	Inches.	No.	Weight.	Weight.
<u>One</u> <u>Complete</u> <u>Suit</u>	Fore Sails,	300	1 7/8	Bower,	3	38 1 22
	Fore Top Sails,	90	1 5/16			38 1 10
	Fore Topmast Stay Sails,	90	1 1/2	Stream,	1	36 2 34
	Main Sails,	90	9			15 0 26
	Main Top Sails,	90	7	Kedge,	3	11 3 2
						6 2 15
and other requisite sails		All of <u>Good</u> quality.				3 0 11

Her Standing and Running Rigging Complete sufficient in size and Good in quality.

She has Two Life Boats Long Boat and Catch, 2 Cutters 24 ft each, Rig 26 ft & 24 ft 2 22 ft

The present state of the Windlass is Complete, Capstan Stoppers and Rudder Complete, Pumps One hand pump to each Compartment and Ridge pipe through each connected to Engine

General Remarks, Statement and Date of Repairs, extent of corrosion (if any) both internally and externally, and condition of rivets.

- 1st. On the several parts of the frame, when in place, and before the plating was wrought Built under
- 2nd. On the plating during the progress of rivetting Special Survey
- 3rd. When the beams were in and fastened, and before the decks were laid Special Survey
- 4th. When the ship was complete, and before the plating was finally coated Special Survey
- 5th. After the ship was launched

The scantlings of the keel, rivetting, wood material and general construction will be seen to be equal and in some respects above the requirements for the 12 Gun Grade, except a slight deficiency in the outside plating but which meansy throughout nearly 1/16" beyond what is shown, the remainder we think is quite made up by the excellent quality of the iron being of the best boiler plate, various specimens of which were tested at the Liverpool Corporation Machine and stood a tensile strain from 20 1/2 to 22 1/4 long. See letter appended, the sheerstrake and half of the gunwale stringer for 200 feet amidships are of puddled steel, the former doubled above the gunwale angle iron in depth from 8 to 12 in. Forward and aft and the latter 6 feet wide, the butts of sheerstrake, deck stringer and keel are double rivetted, all other butts and outside edges double rivetted. The gunwale arrangement is very efficient, see drawing, waterways, plank sheers and stanchions are of oak, flat of upper deck pitch pine, the construction of the fore and aft bulkheads in the engine and boiler space is very satisfactory, forming a strong and good connection forward and aft and at the sides of the keel, see drawing, she has double reverse angle chong on the top of floor under engine and boiler space and double frames to engine floor to above bilges, she has a full prop and capallant screw, 40 horse power, testing certificate, see drawing.

In what manner are the surfaces preserved from oxidation?

Red Lead and Patent Paint Keel is far above the requirements for a 9 Gun class and is close upon the 12 Gun class taking into account the good quality of material and workmanship, we are of opinion that she is fully entitled to the undermentioned class.

I am of opinion this Vessel should be classed U.S.A. 12 Gun Class and is close upon the 12 Gun class taking into account the good quality of material and workmanship, we are of opinion that she is fully entitled to the undermentioned class.

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

Special ..... £ 91 : 5 : :

Certificate (if required) ..... £ 20 : :

Committee's Minute 23<sup>rd</sup> April 1841

Character assigned For 11 Years

21<sup>st</sup> May Build of Iron

