

2409 Iron

IRON SHIPS.

No. _____ Survey held at Dundee Date 18 6/on the Leopatra Master _____Tonnage Gross 186.22 Engine Room _____ Register 186.22 Built at DumbartonWhen Built 1847 By whom built Denny Brothers Owners Dundee Perth & Lin Ship Co.Port belonging to Dundee Destined Voyage _____

If Surveyed Afloat or in Dry Dock _____

Length aloft	Feet. Inches.	Extreme Breadth	Feet. Inches.	Depth from Beam to top of Floor	Feet. Inches.	Power of Engines	Horse No.
Length aloft	112 1/10	Extreme Breadth	22	Depth from Beam to top of Floor	12 4/10	Power of Engines	
Distance between Floors amidships	1 3			Stem, if bar iron, moulding and thickness	5 1/2		
" " " forward and aft	1 3			" if plate iron, breadth and thickness	5 2		
" " Ribs amidships	1 3			Stern-post, if bar iron, moulding and thickness	5 2		
" " " forward and aft	1 3			" if plate iron, breadth and thickness	5 2		
Floors, Size of Angle Iron, and No. <u>one</u> at bottom of Floor Plate	3 1/2 2 1/2 7/16			Keel, if bar iron, depth and thickness	4 1/2 1 1/2		
" depth & thickness of Plate at mid line	18 - 1/4			" if plate iron, breadth and thickness	4 1/2 1 1/2		
" " " at turn of bilge	3 1/2 - 5			Garboard Plates, thickness	5/8		
" Size of Reversed Angle Iron, and No. <u>one</u> at top of Floor Plate	3 3 3/8			" to bilge	5/8		
Ribs, Size of Angle Iron, single or double	3 1/2 2 1/2 7/16			Bilge	5/8		
Reversed Iron, if to every frame or every frame	3 1/2 2 1/2 7/16			" to Wales	5/8		
Beams, Deck (No. <u>36</u>) double or single	2 1/4 2 1/4 1/4			Wales	5/8		
Angle Iron on top edge	6 - 3/8			Topsides	5/16		
" depth & thickness of plate amidships	1 1/2 - 7/8			Sheerstrakes	5/16		
" double or single Angle Iron	1 1/2 - 7/8			Planksheers	4		
" half round iron on lower edge	3 1/4 1 1/2			Gunwale Plate or Stringer	1 1/4 5/16		
" average space between	3 1/4 1 1/2			Waterway	4		
" if wood (No.) sided & moulded	4 4 3/8			Deck. <u>Plank. New</u>	3		
Hold, (No.) double or single	4 4 3/8			Ceiling in flat	3		
Angle Iron of <u>T. Iron</u>	4 4 3/8			Bilge Planks inside	3		
" depth & thickness of plate amidships	4 4 3/8			Ceiling from Bilge to Clamps	3		
" double or single Angle Iron	4 4 3/8			Hold Beam Clamps	3		
" on lower edge	4 4 3/8			Shelf <u>from answer extends for about 70 feet along the hold of the vessel</u>	3		
" average space between	4 4 3/8			Stringers	3		
" if wood (No.) sided & moulded	4 4 3/8			Ceiling between Decks	3		
Paddle, wood, sided and moulded	4 4 3/8			Stringers	3		
or if Iron, size of Plate	4 4 3/8			Deck Beam Clamps	3		
Engine	4 4 3/8			" Shelf	3		
Keelson, wood, sided & moulded, iron, size of plate, if Box, give sketch & dimensions	4 4 3/8			Stringers in Hold	3		
" Side or Bilge	4 4 3/8			Deck, Lower	3		
" Number	4 4 3/8				3		

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

Knight-heads " are they free from defects?

Hawse Timbers " are they free from defects?

The Ribs extend in one length from to rivetted through plates with (in.) rivets, about (9 in.) apart.

The reverse angle irons on the floors extend in one length across the middle line from Bilge to BilgeIntercoastal " on the ribs " from to NoneKeelson, if wood, length of scarf if iron, how are the various lengths connected? Keelson plates are inserted between the floor plates & are flanged at each end & are all rivetted together thro floor plates on the top part double angle iron 6x3x3/8 are run along thePlates, Garboard, double or single rivetted to keel, with rivets (in.) diameter averaging (in.) from centre to centre of rivet. Top edge back to back & rivetted together to each floor angle iron

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

butts from Garboards to turn of bilge, worked carvel with a lining piece (in.) thick, double or single rivetted; rivets (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? they do

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

butts from bilge to wales, worked carvel with a lining piece (in.) thick, double or single rivetted; rivets (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? they do

edges of wales and to planksheers, worked carvel with a lining piece (in.) thick, or clencher, double or single rivetted; rivets (in.) diameter, averaging (in.) from centre to centre of rivets.

Planksheer, how secured to the plating of the sides Explain by sketch, if necessary.

Waterway " planksheer and to the Beams how secured

Side trussing breadth and thickness of plates how secured

Deck trussing " " " " " "

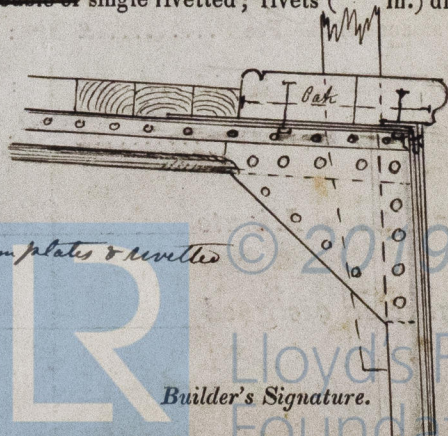
Deck Beams, how secured to the side two 3/16 inch triangular plates, applied one side of Beam plates & rivetted together thro Beam plates & frame angle iron

Hold " " " " " "

Paddle " " " " " "

No. of breasthooks crutches how are pointers compensated?

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



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? *short-pieces*
Do the holes for rivetting plate to lining piece, or plate to plate, &c., answer well to each other? 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? } *Work appears good*
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 .	
Fore Sails,		Chain		Bower,	
Fore Top Sails,		Hempen Stream Cable		Stream,	
Fore Topmast Stay Sails,		Hawser		Kedge,	
Main Sails,		Towlines			
Main Top Sails,		Warp			
and		All of _____ quality.			

Her Standing and Running Rigging _____ sufficient in size and _____ in quality.

She has _____ Long Boat and _____

The present state of the Windlass is _____ Capstan _____ and Rudder _____ Pumps _____

GENERAL REMARKS.

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

This vessel is flush decked with square stem & originally was prepared aft for a screw if at a future period the ^{Govt} should apply it to the vessel has three Bulkheads (water tight) formed of $\frac{3}{16}$ plate iron stiffened vertically with Angle Iron about 3" x 2" Center to Center the Bulkheads are rivetted to single angle Iron frames closer rivetted thro outside plating than the other frames

In what manner are the surfaces preserved from oxidation?

I am of opinion this Vessel should be classed _____

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

Special£ : :

Certificate (if required)£ : :

Committee's Minute 3rd May 1861

Character assigned

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