(431)

IRON SHIPS.

Rec 22/9/53

No. 3224 Survey held at Greenock Date 20th September 1853

on the New Iron Ship "Lord of the Isles." Master Peter Maxton Jr.

Tonnage ~~Gross~~ 770 old ~~Engine Room~~ Register 691 new Built at Greenock

When built 5th Sept 1853 By whom built Scott & Co. Owners Martin & Co.

Port belonging to Greenock Destined Voyage Clyde to Sidney N.S.W.

If Surveyed Afloat or in Dry Dock On stocks

Length aloft ..... Feet. 190 9/10 ~~Inches~~ — ~~Extreme~~ Breadth amidships .... Feet. 27 8/10 ~~Inches~~ — Depth from Beam to top of Floor .. Feet. 18 5/10 Inches. — ~~Power of Engines~~ ... ~~Horse. No.~~ —

	Feet.	Inches.		Sketch, when necessary.
Distance between Floors amidships	1	6		
" " " forward and aft	1	6		97
" " Ribs amidships	1	6		
" " " forward and aft	1	6		
	Inches.	Inches.	8ths	
Floors, Size of Angle Iron, and No. Single at bottom of Floor Plate	4	3	4	
" depth & thickness of Plate at mid line ..	18	—	4	
" " " at turn of bilge (curved & tapering to 10 feet)	—	—	—	
" Size of Reversed Angle Iron, and No. Double at top of Floor Plate ..	3	3	3	
Ribs, Size of Angle Iron, single ~~or double~~ ..	4	3	4	
" " Reversed Iron, ~~if~~ to every frame ~~or every~~ ~~frame~~	3	3	3	
Beams, Deck (No. 65) double or single Angle Iron ..... Bulb Iron	—	—	—	
" " depth & thickness of ~~Plate amidships~~	8	—	4	
" " double ~~or single~~ Angle Iron, on ~~lower~~ upper edge	2½	2½	5/16	
" " average space between	Three feet ~~inches~~			See letter annexed
" " if wood (No.) sided & moulded	—	—	—	
" Hold, (No. 60) double or single Angle Iron ..... Bulb Iron	—	—	—	
" " depth & thickness of ~~Plate amidships~~	8	—	4	
" " double ~~or single~~ Angle Iron, on ~~lower~~ upper edge	2½	2½	5/16	
" " average space between	Three feet ~~inches~~			See letter annexed
" " if wood (No.) sided & moulded	—	—	—	
" Paddle, wood, sided and moulded or if Iron, size of Plate	—	—	—	
" Engine " " " "	—	—	—	
Keelson, ~~wood, sided & moulded,~~ iron, size of plate, ~~if Box~~, give sketch & dimensions	19	—	4	
	5	3	4	
" Side or Bilge .. Angle Iron back to back ~~Angle Iron back to back~~	5	3	4	One plate
" Number .... Four	—	—	—	

	Inches.	8ths.	Sketch, when necessary.
Stem, ✕ bar iron, moulding and thickness	9+2½	—	✓
" if plate iron, breadth and thickness	—	—	
Stern-post, ✕ bar iron, moulding and thickness	8+3½	—	✓
" " if plate iron, breadth and thickness	—	—	
Keel, ✕ bar iron, depth and thickness	9+2½	—	✓
" if plate iron, breadth and thickness	—	—	
Garboard Plates, thickness .. (Description of Iron: English Iron)	—	6/8	✓
" to bilge "	—	5/8	✓
Bilge "	—	5/8	✓
" to Wales "	—	9/16	✓
Wales "	—	11/16	✓
Topsides "	—	4/8	
Sheer-strakes "	—	11/16	✓

	Material.	Inches.	
Planksheers	East India Teak	6+16	
Gunwale Plate or Stringer ..	Iron	24.	4.
Waterway	East India Teak	6.	
Deck	Yellow Pine	3½	
Ceiling in flat	Rock Elm	2½	
Bilge Planks inside	Ditto	2½	
Ceiling from Bilge to Clamps	Ditto	2	
Hold Beam Clamps	Ditto	2	
" " Shelf ~~over Plate~~ ..	Single Angle Iron	5+3+	4/8
" " Stringers	Plate Iron	22	4/8
Ceiling between Decks	Yellow Pine	1½	
~~Stringers or~~ Waterway	Red Pine	4.	
Deck Beam Clamps			
" " Shelf	Single Angle Iron	4+3+	4/8
Stringers in Hold ~~to Keelsons~~			
Deck, Lower	Yellow Pine	3.	

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

Knight-heads " African Oak & East India Teak
Hawse Timbers " } are they free from defects? Yes.

The Ribs extend in one length from Keel to Gunwale rivetted through plates with (3/4 in.) rivets, about (6 ins.) apart.

The reverse angle irons on the floors extend in one length across the middle line from about 5 feet from Keelson, alternately on each side to Hold Beam Clamps

" " " on the ribs " " " from Gunwale to Gunwale alternately

Keelson, ~~if wood, length of scarph~~ Angle ~~if~~ iron, how are the various lengths connected? Shifts of 15 feet, with plates rivetted over butts.

Plates, Garboard, double ~~or single~~ rivetted to keel, with rivets (1 ins) diameter, averaging (2½ 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 (2½ ins.) from centre to centre of rivets.

" butts from Garboards to turn of bilge, worked carvel with a lining piece (5/8 in.) thick, double ~~or single~~ rivetted; rivets (3/4 in.) diameter, averaging (2½ 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 ( ) thick, or~~ clencher, double ~~or single~~ rivetted; rivets (3/4 in.) diameter, averaging (2½ ins.) from centre to centre of rivets.

" butts from bilge to wales, worked carvel with a lining piece (9/16 ins) thick, double ~~or single~~ rivetted; rivets (3/4 in.) diameter, averaging (2½ 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 ( ) thick, or~~ clencher, ~~double or~~ single rivetted; rivets (3/4 in.) diameter, averaging (2½ ins.) from centre to centre of rivets.

Planksheer, how secured to the plating of the sides } Explain by a sketch, if necessary. } With screw bolts and nuts, and through bolts.
Waterway " " planksheer and to the beams } With screw bolts and nuts.

Side trussing breadth and thickness of plates how secured

Deck trussing " " " " " Two plates at fore and aft, 12 inches by ½ inch

Deck Beams, how secured to the side With plate knees

Hold " " With plate knees

Paddle " "

No. of breasthooks Two crutches Two how are pointers compensated? plate Iron.

What description of iron is used for the angle iron and bar iron in the vessel? Best Scotch Angle Iron & Staffordshire plate Iron

Scott & Co Builder's Signature.

C. F. SEYFANG, PRINTER, FARRINGDON STREET, LONDON.

© 2019 Lloyd's Register Foundation
IRON431-0051

X 482. Iron

Workmanship. Are the lands or laps of the clench work 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 fay 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 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 counter sunk 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? Some

Was the plating caulked internally in the wake of the frames or ribs? No. Internal plates on butts caulked.

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

She has SAILS.

No.	
Two	Fore Sails,
Two	Fore Top Sails,
Two	Fore Topmast Stay Sails,
Two	Main Sails,
Two	Main Top Sails,
and well found in other sails	

CABLES, &c.

Fathoms.		Inches.
270	Chain	1 3/8
90	Stream Chain	7/8
80	Hempen Stream Cable	8 1/3
90	Hawser	6
120	Towlines	4 1/2
	Warp	
	All of Good quality.	

ANCHORS, and their weights.

No.		cwt. qrs. lbs	
3	Bowers	21. — . —	J.S.
		20. — . —	J.S.
		19. — . —	J.S.
1	Stream,	10. — . —	J.S.
3	Kedges	4. 2. —	J.S.
		2. — . —	J.S.
		1. 2. —	J.S.

Her Standing and Running Rigging is all sufficient in size and Good in quality.

She has Two Life ~~Long~~ Boats and Cutter and Gig.

The present state of the Windlass is Good with patent purchase & Kelps Capstan Good & Two double winches and single winch good and Rudder Good Pumps Five bad, leading into each compartment

---

GENERAL REMARKS.

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

Laid on in August 1852. Launched 5th September 1853. Surveyed while building, and specially so, on several visits. She has four solid Iron watertight Bulkheads to height of Hold Beams, vertically trussed with single Angle Iron. And additional Shelf piece of Angle Iron to upper Deck and stringer above Hold Beams, extending to extreme ends, and well connected. Five pumps leading into each compartment below. Plating from Keel to Wales, and the entire butts in this Ship are double rivetted; and the material and workmanship very good. Ground tackle and other equipments complete and of the best description. And the Certificates of testing Chain Cables have been produced and examined by me.

In what manner are the surfaces preserved from oxidation? Three coats of Red lead internally, and two coats of Red lead outside with two coats of Buchan & Peacock's patent composition on bottom

I am of opinion this Vessel should be Classed "A 1."

The Amount of the Fee.....£ 5 : " : " is received by me, John Rippon

Sept

Special .....£ 10 : 10 : "

Certificate (if required) .....£ " : 10 : "

Committee's Minute 23rd Sept 1853

Character assigned A 1

Lloyd's Surveyor 23/9/53

Please send Certificate to this Office

© 2019 Lloyd's Register Foundation