

# 4222 IRON SHIPS.

No. 2361 Survey held at Glasgow Date August 8<sup>th</sup> Recd 10/10/65  
on the Scow S<sup>r</sup> "Baron Riccioli" Master [Signature]  
Tonnage under tonnage deck 140.13 Built at Glasgow When built 1875 Launched 8<sup>th</sup> July 1875  
Ditto of poop or spar deck 2.28 By whom built J. G. Laurie Owners C. A. Bell & Co. Ltd.  
Ditto of engine room 43.49 Port belonging to Genoa Destined Voyage Genoa 13/9/65  
Total Register tonnage 98.89  
Gross tonnage 142.52  
Is Surveyed while Building, Afloat, or in Dry Dock whilst building and afloat

Length aloft	Feet.	Inches.	Extreme Breadth	Feet.	Inches.	Depth from top of Upper Deck Beam to top of Floor	Feet.	Inches.	Power of Engines	Horse.	N <sup>o</sup> . of Decks
130			17			9			100		One

(Dimensions of Ship per Register, length 130 breadth 17 depth 9)

	Inches in Ship.	Inches required per Rule.		Inches in Ship.	Inches required per Rule.
Keel, if bar iron, depth and thickness	0 x 1 1/2	0 x 1 1/2	Plates in Garboard Strakes, breadth and thickness	10	10
" if plate iron, breadth and thickness	0 x 1 1/2	0 x 1 1/2	Ditto from Garboard to upper part of Bilges	9	9
Stem, if bar iron, moulding and thickness	0 x 1 1/2	0 x 1 1/2	" from upper part of Bilge to a perpendicular height from upper side of Keel of 3/4ths the entire depth of Hold	5	5
" if plate iron, breadth and thickness	0 x 3	0 x 3	" from 3/4ths depth of Hold to lower edge of Sheerstrake	5	5
Stern-post, if bar iron, moulding and thickness	0 x 3	0 x 3	" Sheerstrake, breadth and thickness	10	10
" if plate iron, breadth and thickness	0 x 3	0 x 3	Butt Straps to outside plating, breadth and thickness	8	8
Distance of Frames from moulding edge to moulding edge, all fore and aft	21	21	Gunwale Plate or Stringer on ends of Upper Deck Beams, breadth and thickness	22 1/2	18 1/2
Frames, Size of Angle Iron, single or double	2 1/2	2 1/2	Angle Iron on ditto	3	3
" Reversed Iron, if to every frame	2 1/2	2 1/2	Stringer or Tie Plates fore and aft, on Upper Deck Beams, outside Hatchways	0	0
" Bilges or every frame	2 1/2	2 1/2	Diagonal Tie Plates on ditto	0	0
Floors, depth and thickness of Floor Plate at mid line	11	11	Planksheer, materials and scantlings	2nd Bulwarks	
" Ditto ditto at Bilge Keelson	4	4	Waterway ditto ditto	0 Red pine	
" Size of Reversed Angle Iron, and No. 18 at top of Floor Plate	2 1/2	2 1/2	Flat of Upper Deck, thickness and material	3 1/2	3 1/2
Beams, Deck (No. 1) double Angle Iron, Plates, Doc, or Bulw Iron	4 1/2	4 1/2	" how fastened to Beams	Butt and Secant	
" double or single Angle Iron, on edge	4 1/2	4 1/2	Ceiling betwixt Decks and in Hold, thickness and material	Butt and Secant	
" average space between	3 feet 0 in.	3 feet 0 in.	Clamps or Spirketting ditto	"	
" Hold, or Lower Deck (No. 4) double Angle, Doc, Plate, or Bulw Iron	4 1/2	4 1/2	Stringer Plates on ends of Hold or Lower Deck Beams, breadth and thickness	"	
" double or single Angle Iron, on edge	4 1/2	4 1/2	Stringer or Tie Plates fore and aft outside Hatchways, on Hold or Lower Deck Beams	"	
" average space between	3 feet 0 in.	3 feet 0 in.	Stringers in Hold	5	5
" Paddle, sided and moulded, thickness of Plate size of Angle Iron	"	"	Flat of Lower Deck, thickness and material	3 1/2	3 1/2
" Engine " " " "	"	"	Main piece of Rudder, diameter at head	3 1/2	3 1/2
Keelson, single or double plate, box, or intercostal	14	14	" " " at heel	2	2
" Size of Plates	5	5	(Can the Rudder be unshipped afloat) Yes		
" Size of Angle Irons	5	5	Bulkheads, N <sup>o</sup> 1 Thickness of 1/2		
" Side, single or double, plate, box, or intercostal	5	5	" Height up upper deck		
" Bilge (No. 2) at each Bilge, single, or double, plate, or box	5	5	" how secured to the sides of the ship rivetted between two frames		
Transoms, material <u>Iron Plate</u> , if none, in what manner compensated for.			" size of vertical angle irons <u>2 1/2</u> and their distance apart <u>30 ins</u>		
Knight-heads, and Hawse Timbers <u>Iron Frames</u>					
The Frames extend in one length from <u>middle line</u> to <u>Gunwale</u> rivetted through plates with ( <u>5/8</u> in.) rivets, about ( <u>4 1/2</u> ) apart.					
The reverse angle irons on the floors extend in one length across the middle line from <u>upper part of Bilge</u> to <u>Ditto</u>					
" " " on the frames " " " from <u>Keel</u> to <u>Keel</u>					

Keelson, how are the various lengths of plates or angle irons connected? by lining pieces

Plates, Garboard, double or rivetted to keel, double or at upper edge, with rivets ( 1/2 ins.) diameter, averaging ( 3 1/2 ins.) apart.

" Edges from Garboards to upper part of bilge, worked clencher, double or single rivetted; with rivets ( 5/8 in.) diameter, averaging ( 3 1/2 ins.) apart.

" Butts from Keel to turn of bilge, worked carvel with butt straps ( 5/8 , 5/8 ) thick, double or single rivetted; with rivets ( 5/8 in.) diameter, averaging ( 3 1/2 ins.) apart. Do the butt straps lap over and rivet through the lands of the strake below? No

" Edges from bilge to sheerstrake, worked carvel with a lining piece ( ) thick, or clencher, double or single rivetted; with rivets ( 5/8 in.) diameter, averaging ( 3 1/2 in.) apart. Do the butt straps lap over and rivet through the lands of the strake below? No

" Edges of Sheerstrake, double or single rivetted? At upper edge Single At lower edge Double

" Butts from bilge to planksheers, worked carvel with butt straps ( 5/8 , 5/8 ) thick, double or single rivetted; with rivets ( 5/8 in.) diameter, averaging ( 3 1/2 ins.) apart. Breadth of laps in double rivetting ( 5/8 ) Breadth of laps in single rivetting ( 5/8 )

Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted? Double

Planksheer, how secured to the plating of the sides { Explain by sketch { 2nd Bulwarks

Waterway " " planksheer and to the Beams { if necessary. { Butt & Secant

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

Hold or Lower Deck ditto Do

Paddle " " No. of breasthooks Three crutches Three

What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.? Blackburn

Manufacturer's name or trade mark [Signature]

We certify that the above is a correct description of the several particulars therein given.

Builder's Signature J. G. Laurie Surveyor's Signature [Signature]

Lloyd's Register Foundation  
IRON438-0371



4222 Lm

**Workmanship.** Are the lands or laps of the clenchwork in all cases in breadth at least five and a half times the diameter of the rivets in double rivetted edges and butts, and at least three and a quarter 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?* *Yes*  
 Do the holes for rivetting plate to frames, butt straps, 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 in canies of Butts*

Her Masts, Bowsprit, Yards, &c., are in *Good* condition, and sufficient in size and length. (If they are of Iron or Steel give the Scantlings of Plating, Angle Irons, &c., and further explain by a Sketch showing how the lower Masts and Bowsprit are constructed, showing the number of Plates and Angle Irons, mode of rivetting, quality of Materials, and if stamped with Maker's name.

She has SAILS.

CABLES, &c.

ANCHORS, and their weights.

N <sup>o</sup> .		June 10/05	Fathoms.	Inches.	Tested to. Tons.	N <sup>o</sup> .	Weight. Ex. Stock	Tested to. Tons.
1	Fore Sails,	Chain	120	3/4	10.2.2	2	2.5.2	5.0.0
2	Fore Top Sails,	Hempen Stream Cable	90	5		3	2.5.0	5.5.0
3	Fore Topmast Stay Sails,	Hawser	90	3 1/2				
4	Main Sails,	Towlines	90	3		1	1.2.2	
5	Main Top Sails,	Warp	90	3 1/2		1	1.0.0	
		All of <i>Good</i> quality.						

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

She has *Two Boats* Long Boat and

The present state of the Windlass is *Two* Capstan *Two* and Rudder *Two* Pumps *Two and efficient*

Order for Special Survey No. *387* DATES of Surveys held 1st. On the several parts of the frame, when in place, and before the plating was wrought  
 Date *April 25/05* while building 2nd. On the plating during the progress of rivetting *Built under Special Survey*  
 Order for Ordinary Survey No. *✓* as per 3rd. When the beams were in and fastened, and before the decks were laid *from the 9th May*  
 Date *✓* Section 18. 4th. When the ship was complete, and before the plating was finally coated *to the 8th Aug.*  
 5th. After the ship was launched

State if she has a Spar Deck *No* Poop *Raised Quarter Deck* or Forecastle *Yes*

General Remarks,

*Sheerstrake Doubled with a 50 plate for three fourths the length of the vessel. Gunwale plate increased a 1/2 of an inch in thickness and to 25 1/2 ins in width and in other respects as per accompanying Indship Section*

In what manner are the surfaces preserved from oxidation? Inside *Black Paint and Red Lead*  
 Ditto ditto Outside *Red Lead*

I am of opinion this Vessel should be Classed *A*

The amount of the Fee £ *2* : : : is received by me,

Special £ *1* : 2 :  
 Certificate (if required) £ *1* : 2 :  
 Committee's Minute *11th August 18 05*

Character assigned *A*

*Approved*  
*Eligible for Classing as recommended above*  
 Lloyd's Register  
 Aug 10/05