

# IRON SHIPS.

No. 299 Survey held at Glasgow Date 23<sup>rd</sup> June 1889  
 on the Ship "Gealandek" Master Rose  
 Tonnage under tonnage deck 978.13 Built at Glasgow When built 1869 Launched 1<sup>st</sup> June 1869  
 Ditto of poop or spar deck 117.04 By whom built Cornwall & Co Owners James Saffell & Co  
 Ditto of engine room 10.08  
 Total Register tonnage 1105.25 Port of registry Glasgow Destined Voyage New Zealand  
 Gross Tonnage 1115.8 Port of registry Glasgow  
 Surveyed while Building, Afloat, or in Dock while building and afloat

Feet.	Inches.	Feet.	Inches.	Depth from top of Upper Deck Beam to top of Floor	Feet.	Inches.	Horse.	No. of Decks
105	0	35	15	20	5	0	20	Two
(Dimensions of Ship per Register, length <u>115.6</u> breadth <u>35.15</u> depth <u>20.3</u> )								
Iron, depth and thickness		Inches in Ship.		Inches required per Rule.		Plates in Garboard Strakes, breadth and thickness		
late iron, breadth and thickness		10 1/2 x 3 1/2		8 1/2 x 3		Ditto from Garboard to upper part of Bilges		
bar iron, moulding and thickness		10 x 3 1/2		8 x 3		" from upper part of Bilge to a perpendicular height from upper side of Keel of 3/4ths the entire depth of Hold		
plate iron, breadth and thickness		10 x 3 1/2		8 x 3		" from 3/4ths depth of Hold to lower edge of Sheerstrake		
Steel post, if bar iron, moulding and thickness		7 1/2 x 3 1/2		8 x 3		" Sheerstrake, breadth and thickness		
" if plate iron, breadth and thickness		7 1/2 x 3 1/2		8 x 3		Butt Straps to outside plating, breadth and thickness		
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		
Frames, Size of Angle Iron, single or double		5 x 3		8 1/2 x 3		Angle Iron on ditto		
Reversed Iron, if to every frame		5 x 3		8 1/2 x 3		Stringer or Tie Plates fore and aft, on Upper Deck Beams, outside Hatchways		
and or every other frame		5 x 3		8 1/2 x 3		Diagonal Tie Plates on ditto		
Floors, depth and thickness of Floor Plate at mid line		23 1/2		10 1/2		Planksheer, materials and scantlings		
Ditto ditto at Bilge Keelson		10		10		Waterway ditto ditto		
Size of Reversed Angle Iron, and No. 32 at top of Floor Plate		3 1/2 x 3		7 1/2 x 3		Flat of Upper Deck, thickness and material		
Beams, Deck (No. ) double Angle Iron, Plate, Tee, or Bulb Iron		8 1/2		8 1/2		" how fastened to Beams		
" double or single Angle Iron, on upper edge		3 x 3		7 1/2 x 3		Ceiling betwixt Decks and in Hold, thickness and material		
" average space between centres		4 x 2		4 x 2		Clamps or Spirketting ditto		
" Hold, or Lower Deck (No. ) double Angle, Tee, Plate, or Bulb Iron		8 1/2		8 1/2		Stringer Plates on ends of Hold or Lower Deck Beams, breadth and thickness		
" double or single Angle Iron, on upper edge		3 x 3		7 1/2 x 3		Stringer or Tie Plates fore and aft outside Hatchways, on Hold or Lower Deck Beams		
" average space between centres		4 x 2		4 x 2		Stringers in Hold		
" Paddle, sided and moulded, thickness of Plate size of Angle Iron		" "		" "		Flat of Lower Deck, thickness and material		
" Engine " " " " " "		" "		" "		Main piece of Rudder, diameter at head		
Keelson, single or double plate, box, or intercostal		" "		" "		" " " at heel		
" Size of Plates		16		13 1/2		(Can the Rudder be unshipped afloat)		
" Size of Angle Irons		5 x 4 1/2		9 x 5		Bulkheads, No. One Thickness of		
" Side, single or double, plate, box, or intercostal		21		10		" Height up upper deck		
" Bilge (No. ) at each Bilge, single, or double, plate, or box		5 x 4 1/2		9 x 5		" how secured to the sides of the ship rivetted between two frames		
Transoms, material		" "		" "		" size of vertical angle irons and their distance apart		
Knight-heads, and Hawse Timbers		" "		" "		The Frames extend in one length from middle line to Gunwale rivetted through plates with ( 1/2 in. ) rivets, about ( 1/2 ) apart		
The Frames extend in one length from middle line to Gunwale		" "		" "		The reverse angle irons on the floors extend in one length across the middle line from the upper part of Hold Beam Stringer		
Angle Bar " on the frames " " " from and to the Gunwale at alternate frames		" "		" "		Keelson, how are the various lengths of plates or angle irons connected? Properly shifted and all Butts strapped		
Plates, Garboard, double or rivetted to keel, double or at upper edge, with rivets ( 1/2 ins. ) diameter, averaging ( 1/2 ) apart.		" "		" "		Edges from Garboards to upper part of bilge, worked clench, double or single rivetted; with rivets ( 1/2 in. ) diameter, averaging ( 1 3/4 ) ins. apart.		
" Edges from Garboards to upper part of bilge, worked clench, double or single rivetted; with rivets ( 1/2 in. ) diameter, averaging ( 1 3/4 ) ins. apart.		" "		" "		Butts from Keel to turn of bilge, worked carvel with butt straps ( 1/8 x 1/8 ) thick, double or single rivetted; with rivets ( 1/2 in. ) diameter, averaging ( 1 3/4 ) ins. apart.		
" Edges from bilge to sheerstrake, worked carvel with a lining piece ( ) thick, or clench, double or single rivetted; with rivets ( 1/2 in. ) diameter, averaging ( 1 3/4 ) ins. 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 to Bulwarks At lower edge Double		" "		" "		Butts from bilge to planksheers, worked carvel with butt straps ( 1/8 x 1/8 ) thick, double or single rivetted; with rivets ( 1/2 in. ) diameter, averaging ( 1 3/4 ) ins. apart. Breadth of laps in double rivetting ( 5 in. ) Breadth of laps in single rivetting ( 5 )		
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 from Bulwarks		
Waterway " " planksheer and to the Beams if necessary. Gutter with two straps.		" "		" "		Deck Beams, how secured to the side? Beam ends turned down, with welded knees		
Hold or Lower Deck ditto		" "		" "		Paddle " " " " " "		
What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.? Moulded Angle Bars		" "		" "		Manufacturer's name or trade mark Plates, Glasgow best		
We certify that the above is a correct description of the several particulars therein given.		" "		" "		Builder's Signature Charles Cornwall Surveyor's Signature J. B. Darling		



7243 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? Solid lengths  
 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 corners 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., tested at <u>Lipton by S. E. E. E. E.</u>				ANCHORS, tested at <u>Lipton by S. E. E. E. E.</u>			
		No. on Chain seen by me.	No. and date on Certificate	Fathoms.	Inches.	Tons.	No.	No. on Anchor seen by me.	No. and date on Certificate
Fore Sails,	Chain .....	4533	4533	300	1 1/2	5570	Bowers .....	4286	4286
Fore Top Sails,	Hemp	4534	4534					4193	4193
Fore Topmast Stay Sails,	Stream Cable		173/189	90	10		Stream .....	4162	4162
Main Sails,	Hawser			120	15				
Main Top Sails,	Towlines .....			90	8		Kedges .....		
	Warp .....			90	6				
	All of <u>Good</u> quality.			90	5				

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

She has one 25 feet Long Boat and two 25 feet life boats and three others.

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

Order for Special Survey No. 591 Date Aug. 1969 while building  
 Order for Ordinary Survey No. 5 Date 1969 as per Section 18.  
 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 Built under special  
 3rd. When the beams were in and fastened, and before the decks were laid from the 4th  
 4th. When the ship was complete, and before the plating was finally coated to the 25th  
 5th. After the ship was launched

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

**General Remarks,**

The Butts of the Middle Line Keelson standing upon Floor and the Butts of the Gunwale Plate and Sheerstrake for a two thirds the ships length in midships are triple rivetted. Fore main and Bowsprit of iron each of four plates 5/8 inch thick, with four Angle Bars in each 4x3x10. The lands double clincher and butts triple carvel rivetted. Fore and main Yards of iron, the lower Topsail Yards of each of two plates, the former 9/16 inch thick, the latter 5/8 inch. Lands single and butts triple clincher rivetted.

In what manner are the surfaces preserved from oxidation? Inside Flat of Bottom with Portland Cement, sum  
 Ditto ditto Outside Rich Red. Oil paints. Bottom with

I am of opinion this Vessel should be Classed A  
 The amount of the Fee .....£ 5 : : is received by me,  
 Special .....£ 55 : 16 :  
 Certificate (if required) .....£ 10 : 0 :  
 Committee's Minute 10th August 1869

Character assigned A (A & E)

Mr. Linton  
 This sailing ship will  
 not appear eligible for Class  
 as recommended above  
 Lloyd's Register  
 August 1969