

IRON SHIPS.

No. 4043 Survey held at Hull Date last survey 28th Feb 1870
 on the Iron Screw Steamer Resolute Now "Paradot" Master Wm Sumley

Tonnage under tonnage deck 297.94
 Ditto of quarter deck 1.12
 Ditto of poop, forecastle, or other erections on upper deck 58.48
 Ditto of spare deck
 Ditto of engine room 114.57
 Gross tonnage, less 340.76
 net Register tonnage, 226.19
as cut on beam
Boys of trade Reduction 17.28

Built at Glasgow When built 1857 Launched 1871
 By whom built Partly rebuilt Owners Wm. France

Port enging to Grove Destined Voyage Coasting

Surveyed while Building, Afloat, or in Dry Dock in Hull at Groves dry dock & afloat in allish
Rule & Groves

Length 168 Feet. Inches. Extreme Breadth 20 Feet. Inches. Depth from top of Upper Deck Beam to top of Floor 12 Feet. Inches. Power of Engines 53 Horse. N^o. of Decks one

(Dimensions of Ship per Register, length 172 breadth 20.8 depth 11.85)

	Inches in Ship.	Inches required per Rule.	Inches in Ship.	Inches required per Rule.	Inches in Ship.	Inches required per Rule.	Inches in Ship.	Inches required per Rule.	Inches in Ship.	Inches required per Rule.
Keel, if bar iron, depth and thickness	6 x 2 1/8	6 x 2 1/4								
„ if plate iron, breadth and thickness		6 1/4 x 2								
Stem, if bar iron, moulding and thickness	7 1/4 x 3	6 x 4 1/2								
„ if plate iron, breadth and thickness	7 x 3 1/2	6 x 4 1/2								
Stern-post, if bar iron, moulding and thickness	18	21								
„ if plate iron, breadth and thickness										
Distance of Frames from moulding edge to moulding edge, all fore and aft										
Frames, Size of Angle Iron, single or double	3 x 2 1/2	4 1/6 x 3	2 1/2	2 1/2	4 1/6	4 1/6	2 1/2	2 1/2	4 1/6	4 1/6
„ Reversed Iron, if to every frame or every frame	2 1/2	2	7 1/6	2 1/4	2 1/4	5 1/6				
Floors, depth and thickness of Floor Plate at mid line	12 x	4 1/6	13 x	5 1/6						
„ Ditto ditto at Bilge Keelson										
„ Size of Reversed Angle Iron, and No. on at top of Floor Plate	2 1/2	2	5 1/6	2 1/4	2 1/4	5 1/6				
Beams, Deck (N ^o . 38) double Angle Iron, Plate, Tee, or Butt Iron										
„ double or single Angle Iron, on edge	5 1/4	3	4 1/6	5	5	5 1/6				
„ average space between	36			42						
Hold, or Lower Deck (N ^o . double Angle, Tee, Plate, or Butt Iron)										
„ double or single Angle Iron on edge										
„ average space between										
„ Paddle, sided and moulded, thickness of Plate size of Angle Iron										
„ Engine										
Keelson, single or double plate, box, or intercostal	9 x	7 1/6	8 1/2 x	5 1/6						
„ Size of Plates	4 1/2	3	1 1/6	4 1/2	3	4 1/6				
„ Size of Angle Irons										
„ Side, single or double, plate, box, or intercostal										
„ Bilge (No. on at each Bilge, single or double, plate, or box	4 1/2	3	1 1/6	4 1/2	3	4 1/6				

Plates in Garboard Strakes, breadth and thickness 8 1/6 7 1/6
 Ditto from Garboard to upper part of Bilges 7 1/6 7 1/6
 „ from upper part of Bilge to a perpendicular height from upper side of Keel of 3/4ths the entire depth of Hold 6 1/6 6 1/6
 „ from 3/4ths depth of Hold to lower edge of Sheerstrake 6 1/6 7 1/6
 Sheerstrake, breadth and thickness 7 1/6 7 1/6
 Butt Straps to outside plating, breadth and thickness 7 1/6 7 1/6
 Gunwale Plate of Stringer on ends of Upper Deck Beams, breadth and thickness 26 x 7 1/6 24 x 7 1/6
 Angle Iron on ditto 3 1/2 x 7 1/6 3 1/2 x 7 1/6
 Stringer or Tie Plates fore and aft, on Upper Deck Beams, outside Hatchways 8 4 1/6 7 1/2 x 7 1/6
 Diagonal Tie Plates on ditto 8 4 1/6 7 1/2 x 7 1/6
 Planksheer, materials and scantlings 3 x 2 1/2 3 1/8
 Waterway ditto 3 x 2 1/2 3 1/8
 Flat of Upper Deck, thickness and material 1 1/2 6 x 3 2 1/2
 „ how fastened to Beams 8 1/6 scantling
 Ceiling between Decks and in Hold, thickness and material 2 1/2 Rich Pine
 Clamps on Spiketting ditto 4 1/2 x 3 x 7 1/6
 Stringer Plates on ends of Hold or Lower Deck Beams, breadth and thickness 4 1/2 x 3 x 7 1/6
 Stringer or Tie Plates fore and aft outside Hatchways, on Hold or Lower Deck Beams 4 1/2 x 3 x 7 1/6
 Stringers in Hold 4 1/2 x 3 x 7 1/6 3 1/2 x 3 x 7 1/6
 Flat of Lower Deck, thickness and material 4 1/2 3 1/4
 Main piece of Rudder, diameter at head 4 1/2 3 1/4
 „ „ „ at heel 2 1/2 2 1/6
 (Can the Rudder be unshipped afloat yes with support beam - New 3 (2))
 Bulkheads, N^o. 3 Thickness of 5 1/6 4 1/6
 „ Height up Deck
 „ how secured to the sides of the ship butts frames & brackets
 „ size of vertical angle irons 2 1/2 x 7 1/6 and their distance apart 30 in

Transoms, material hull or, if none, in what manner compensated for. hull plate 5 x 9 1/6
 Knight-heads, and Hawse Timbers None
 The Frames extend in one length from keel to gunwale rivetted through plates with 5 1/4 (in.) rivets, about 7 in apart.
 The reverse angle irons on the floors extend in one length across the middle line from top of bilge to gunwale

„ „ „ on the frames „ „ „ from top of bilge to gunwale alternately
 Keelson, how are the various lengths of plates or angle irons connected? Angle iron Shifter Strapped Rivetted

Plates, Garboard, double or single rivetted to keel, double or single at upper edge, with rivets (3/4 ins.) diameter, averaging (2 1/2 in.) apart.
 „ Edges from Garboards to upper part of bilge, worked clench, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 1/2 in.) apart.
 „ Butts from Keel to turn of bilge, worked carvel with butt straps (7 1/6) thick, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 1/2 in.) apart.

Do the butt straps lap over and rivet through the lands of the strake below? yes
 „ Edges from bilge to sheerstrake, worked carvel with a living piece (—) thick, or clench, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 1/2 in.) apart.

Do the butt straps lap over and rivet through the lands of the strake below? —
 „ Edges of Sheerstrake, double or single rivetted? At upper edge Rivetted to bilge iron & Bulkhead At lower edge Single

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

Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted? Single rivetted
 Planksheer, how secured to the plating of the sides Explain by sketch
 Waterway „ „ planksheer and to the Beams if necessary. Gutter Waterway

Deck Beams, how secured to the side? Bracket knees rivetted to Beams & frame angle iron
 Hold or Lower Deck ditto

Paddle „ „ No. of breasthooks — crutches —
 What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.? —

Manufacturer's name or trade mark —
 We certify that the above is a correct description of the several particulars therein given.

Builder's Signature — Surveyor's Signature —

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? Yes or are they in short lengths of various thicknesses? No

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 Butts at stem line

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.

8812 Irons.

She has SAILS.		CABLES, &c.	Fathoms.	Inches.	Test as per Certificate.	In. req'd per Rule.	Test req'd per Rule.	ANCHORS, &c.	N ^o .	Weight. Ex. Stock.	Test as per Certificate.	W'ght req'd per Rule.	Test req'd per Rule.
N O T S A I L S A N D C A B L E S	Fore Sails,	Chain	180	1 1/2	22 3/4			Bowers	3	9.0.23	71.6.5/4		
	Fore Top Sails,				203/8					8.2.0	10.12.2.0		
	Fore Topmast Stay Sails	Hempen Stream Cable											
	Main Sails,	Hawser						Stream	1				
	Main Top Sails,	Towlines						Kedges	2				
		Warp											
		All of _____ quality.											

Her Standing and Running Rigging unworn sufficient in size and good in quality.

She has 2 Long Boat and good

The present state of the Windlass is good Capstan unworn and Rudder good Pumps good

Order for Special Survey DATES of

No. _____ Surveys held

Date _____ while building

Order for Ordinary Survey as per

No. _____ Section 18.

Date _____

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

3rd. When the beams were in and fastened, and before the decks were laid

4th. When the ship was complete, and before the plating was finally coated

5th. After the ship was launched

State if she has a Spar Deck _____ Poop Yes or Forecastle _____

General Remarks,

This vessel was lengthened 20 feet in 1865 and now lengthened 18 feet more & the after body of the vessel renewed for sixty nine feet total length of vessel renewed up to present survey 80.7 feet the remaining portion of the vessel viz the fore body will be in accordance with the last entry report so far as regards Frames Plating & floor plates. The Gunwale Straps Plate Iron Bulwark Stanchions & toe plates being renewed in accordance with the Report and which portion of the vessel appears in good condition.

W D Davidson

In what manner are the surfaces preserved from oxidation? Inside with Cement

Ditto ditto Outside with Paint

I am of opinion this Vessel should be Classed B 1 W Davidson

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

Special£ : :

Certificate (if required)£ : :

Committee's Minute _____ 18 _____

Character assigned _____

Alexr Gemmell
Ship Surveyor