

IRON SHIPS.

3979

Per 20/2/65

No. 2300 Survey held at Glasgow Date February 15th 1880
 on the Scow S^r Countess of Edgmont Master Minnead
 Tonnage under tonnage deck 224.96 Built at Glasgow When built 1875 Launched 25th Jan 1875
 Ditto of poop 1.28 or spar deck --- Barclay built
 Ditto of engine room 89.88 Owners Robt. Henderson & Son
 Total Register tonnage 276.12 Part belonging to Ardesian Destined Voyage Belfast & back
 If Surveyed while Building, Afloat, or in Dry Dock whilst building

PLANS
SCALE

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 ^o . of Decks
103.4		24		13.95		40		Two
<i>(Dimensions of Ship per Register, length 105.0 breadth 24 depth 13.95)</i>								
Keel, if bar iron, depth and thickness	7 x 2 1/4			0 1/2 x 2 1/4				
Stem, if bar iron, moulding and thickness	7 x 4 1/2			0 1/2 x 4 1/2				
Stern-post, if bar iron, moulding and thickness	7 x 2 1/4			0 1/2 x 2 1/4				
Distance of Frames from moulding edge to moulding edge, all fore and aft	21			21				
Frames, Size of Angle Iron, single or double	3	3	10	15	10			
Floors, depth and thickness of Floor Plate at mid line	10							
Beams, Deck (N ^o .) double or single Angle Iron, Plate, Tee, or Bulb Iron	5							
Hold, or Lower Deck (N ^o .) double or single Angle Iron, Plate, Tee, or Bulb Iron	5							
Keelson, single or double plate, box, or intercostal	30							
Side, single or double, plate, box, or intercostal	12							
Bilge (No.) at each Bilge, single, or double, plate, or box	4							

Plates in Garboard Strakes, breadth and thickness 3 1/2 10 10 10
 Ditto from Garboard to upper part of Bilges.. 10 10 10 10
 .. from upper part of Bilge to a perpendicular height from upper side of Keel of 1/3ths the entire depth of Hold 10 10 10 10
 .. from 1/3ths depth of Hold to lower edge of Sheerstrake 5 10 10 10
 .. Sheerstrake, breadth and thickness 3 1/2 10 10 10
 Butt Straps to outside plating, breadth and thickness 7 10 10 10
 Gunwale Plate or Stringer on ends of Upper Deck Beams, breadth and thickness 3 1/2 10 10 10
 Angle Iron on ditto 4 x 3 10 10 10
 Stringer or Tie Plates fore and aft, on Upper Deck Beams, outside Hatchways 9 1/2 10 9 10
 Diagonal Tie Plates on ditto 9 1/2 10 9 10
 Planksheer, materials and scantlings --- Bulwarks
 Waterway ditto ditto --- ---
 Flat of Upper Deck, thickness and material --- --- --- ---
 .. how fastened to Beams --- ---
 Ceiling betwixt Decks and in Hold, thickness and material --- --- --- ---
 Clamps or Spirketting ditto --- ---
 Stringer Plates on ends of Hold or Lower Deck Beams, breadth and thickness 10 10 10 10
 Stringer or Tie Plates fore and aft outside Hatchways, on Hold or Lower Deck Beams 9 1/2 10 9 10
 Stringers in Hold --- --- --- ---
 Flat of Lower Deck, thickness and material --- --- --- ---
 Main piece of Rudder, diameter at head --- --- --- ---
 .. at heel --- --- --- ---
 (Can the Rudder be unshipped afloat) Yes
 Bulkheads, N^o. 4 Thickness of ---
 .. Height up Upper Deck
 .. how secured to the sides of the ship Twisted between two frames
 .. size of vertical angle irons 3 1/2 x 3 1/2 and their distance apart 30 in.

The Frames extend in one length from middle line to Gunwale rivetted through plates with (1/2 in.) rivets, about (5 1/2) apart.
 The reverse angle irons on the floors extend in one length across the middle line from upper part of Hold Beams to Ditto
 .. on the frames .. from middle line to Gunwale
 Keelson, how are the various lengths of plates or angle irons connected? by lined pieces
 Plates, Garboard, double or rivetted to keel, double or at upper edge, with rivets (1/2 in.) diameter, averaging (3 1/2 in.) apart.
 .. Edges from Garboards to upper part of bilge, worked clencher, double or single rivetted; with rivets (3/4 in.) diameter, averaging (3 1/2 in.) apart.
 .. Butts from Keel to turn of bilge, worked carvel with butt straps (3/8 x 3/8) thick, double or single rivetted; with rivets (3/4 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 from bilge to sheerstrake, worked carvel with a lining piece () thick, or clencher, double or single rivetted; with rivets (3/4 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 (7/16 x 9/16) thick, double or single rivetted; with rivets (3/4 in.) diameter, averaging (3 1/2 in.) apart. Breadth of laps in double rivetting (3 1/2 in.) Breadth of laps in single rivetting (3 1/2 in.)
 Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted? Double
 Planksheer, how secured to the plating of the sides ---
 Waterway .. planksheer and to the Beams ---
 Deck Beams, how secured to the side? Welded knees rivetted to beams
 Hold or Lower Deck ditto Ditto
 Paddle .. --- No. of breasthooks --- crutches ---
 What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.? Blockain
 Manufacturer's name or trade mark ---

We certify that the above is a correct description of the several particulars therein given.
 Builder's Signature Barclay, Currie & Co. Surveyor's Signature A. J. Dinning
 Lloyd's Register
 IRON438-0134

3979 Iron

Workmanship. Are the lands or laps of the clenwork 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 corners of Butts

Her Masts, Bowsprit, Yards, &c., are in Wood 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.				
No.		Fathoms.	Inches.	Tested to Tons.		No.	Weight Ex. Stock.	Tested to Tons.		No.	Weight Ex. Stock.	Tested to Tons.
<u>2</u>	Fore Sails,				<u>Public Machine</u>				<u>Tested at Lepton</u>			
<u>1</u>	Fore Top Sails,				Chain	<u>210</u>	<u>1 3/8</u>	<u>22 1/2</u>	Bowers	<u>3</u>	<u>10.1.4</u>	<u>12.0.1</u>
<u>1</u>	Fore Topmast Stay Sails,				Hempen Stream Cable	<u>90</u>	<u>7</u>		<u>Public Machine</u>		<u>20.1.0</u>	
<u>4</u>	Main Sails,				Hawser						<u>3.0.3</u>	<u>12.0.1</u>
<u>1</u>	Main Top Sails,				Towlines	<u>90</u>	<u>5</u>		Stream,	<u>1</u>	<u>5.2.0</u>	
					Warp		<u>3</u>		Kedges,	<u>2</u>	<u>3.2.3</u>	<u>1.0.18</u>
					All of <u>Good</u> quality.							

Her Standing and Running Rigging Gal. & Main's Temp sufficient in size and Good in quality.

She has two 10 fut life Long Boat and and one 17 fut Quarter Boat

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

Order for Special Survey No. 352 Date 5th October 1864 DATES of Surveys held while building 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 Survey from the 21st Nov 1864

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 15th February 1865

5th. After the ship was launched

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

General Remarks,

Shestrate doubled its whole depth with a 20 plate for a length of 120 feet. Bulk head fitted to Middle Line and Bilge keels 5 x 20, fitted with a House on deck in midships for the crew, and in other respects as per accompanying midship Section

In what manner are the surfaces preserved from oxidation? Inside Plat of Bottom with Portland Cement, new

Ditto ditto Outside Black Paint and Red Lead

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

The amount of the Fee£ 44 : : is received by me,

Special£ 18 : 6 :
Certificate (if required)£ 12 : 10 : 0

Committee's Minute 21st February 1865

Character assigned B / A & C. P.

A. B. Darling
Subr 20/55
This Steam Trawler of Iron appears eligible for Classification as recommended

