

IRON SHIPS.

Rev 3/8/8

No. 2833 Survey held at Glasgow Date 31st July 18th
 on the Ship "Ben Nevis"
 Tonnage under tonnage deck 995.90
 Ditto of poop or spar deck 64.14
 Ditto of forward hold 40.59
 Ditto of forecastle 53.90
 Total Register tonnage 1054.63
 Gross Tonnage _____

Built at Glasgow When built 1808 Launched 22nd June 1808
 By whom built Barclay Curle & Co. Owners Watson Brothers
 Port belonging to Glasgow Destined Voyage Calcutta

Not surveyed while Building, Afloat, or in Dry Dock ~~unless 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.	Nº. of Decks	Two
(Dimensions of Ship per Register, length 318)		breadth 34.0 depth 21							
Keel, if bar iron, depth and thickness.....	10 x 3 1/2	Inches required per Rule. for Gullion's Scale.	8 x 3	Plates in Garboard Strakes, breadth and thickness	30	15	30	15	10
,, if plate iron, breadth and thickness	-	-	-	Ditto from Garboard to upper part of Bilges..	12	12	12	12	10
Stem, if bar iron, moulding and thickness	10 x 2 1/2	8 x 3	,, from upper part of Bilge to a perpendicular height from upper side of Keel of 2/3s the entire depth of Hold	10	10	10	10	10	10
,, if plate iron, breadth and thickness	-	-	,, from 2/3s depth of Hold to lower edge of Sheerstrake	10	10	10	10	10	10
Stern-post, if bar iron, moulding and thickness	9 x 3 1/2	8 x 3	,, Sheerstrake, breadth and thickness	35	12	30	12	12	10
,, if plate iron, breadth and thickness	-	-	Butt Straps to outside plating, breadth and thickness	11 1/2	10	10	10	10	10
Distance of Frames from moulding edge to moulding edge, all fore and aft	23	23	Gunwale Plate or Stringer on ends of Upper Deck Beams, breadth and thickness	30	10	30	10	10	10
Floors, depth and thickness of Floor Plate at mid line	23	10	Angle Iron on ditto	5 x 4 1/2 x 90	5 x 4 1/2 x 90				
,, Ditto ditto at Bilge Keelson	12	10	Stringer or Tie Plates fore and aft, on Upper Deck Beams, outside Hatchways	13	10	12 1/2	90		
,, Size of Reversed Angle Iron, and No. 1 3/2 at top of Floor Plate	3	3	Diagonal Tie Plates on ditto	13	10	12 1/2	90		
Beams, Deck (Nº.) double Angle Iron, Plate, Tee, or Bulb Iron	8 1/2	8 1/2	Planksheer, materials and scantlings	10	10	12 1/2	90		
,, double or single Angle Iron, on upper edge	3 1/2	3 1/2	Waterway ditto ditto	10	10	12 1/2	90		
,, average space between centres	3 ft 10 ins	3 ft 10 ins	Flat of Upper Deck, thickness and material	4 x 5	Pine				
,, Hold, or Lower Deck (Nº.) double Angle, Tee, Plate, or Bulb Iron	8 1/2	8 1/2	how fastened to Beams	Tin and Sawn Bolts					
,, double or single Angle Iron, on upper edge	3 1/2	3 1/2	Ceiling betwixt Decks and in Hold, thickness and material	10	10	12 1/2	90		
,, average space between centres	3 ft 10 ins	3 ft 10 ins	Clamps or Spirketting ditto	10	10	12 1/2	90		
Paddle, sided and moulded, thickness of Plate size of Angle Iron	"	"	Stringer Plates on ends of Hold or Lower Deck Beams, breadth and thickness	10	10	12 1/2	90		
Engine	"	"	Stringer or Tie Plates fore and aft outside Hatchways, on Hold or Lower Deck Beams	13	10	12 1/2	90		
Keelson, single or double plate, box, or intercostal	Intercostal	"	Stringers in Hold	5 x 4 1/2 x 90	5 x 4 1/2 x 90				
Size of Plates	28	28	Flat of Lower Deck, thickness and material	3 x 5	Pine				
Size of Angle Irons	5 x 4 1/2	90	Main piece of Rudder, diameter at head	5 1/2	5 1/2				
Side, single or dble, plate, box, or intercostal	Intercostal	"	,, Height up upper deck	5	5				
Bilge (No. three and a half at each Bilge, single, or double, plate, or box	5 1/2	90	,, how secured to the sides of the ship riveted between two frames						
			,, size of vertical angle irons 3 x 3 and their distance apart 10 ins						

Transoms, material ~~Timber~~, if none, in what manner compensated for.

Knight-heads, and Hawse Timbers ~~and~~ Frames,

The Frames extend in one length from ~~Middle line~~ to Gunwale riveted through plates with (3 in.) rivets, about (6) apart.

The reverse angle irons on the floors extend in one length across the middle line from to above the Hold Beam

~~Strung~~ " on the frames " " from and to the Gunwale and alternate frames

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

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

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

,, Butts from Keel to turn of bilge, worked carvel with butt straps (1/2 to 1/2 thick, double or single riveted; with rivets (3/8 in.) diameter, averaging (1 1/2) ins. apart.

Do the butt straps lap over and rivet through the lands of the stave below? ~~No~~

,, Edges from bilge to sheerstrake, worked carvel with a lining piece (1/2 thick, or clencher, double or single riveted; with rivets (3/8 in.) diameter, averaging (1 1/2) ins. apart.

Do the butt straps lap over and rivet through the lands of the stave below? ~~No~~

,, Edges of Sheerstrake, double or single riveted? At upper edge ~~single to Bulwarks~~ At lower edge Double

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

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

Planksheer, how secured to the plating of the sides Explain by sketch ~~how Bulwarks~~

Waterway " " planksheer and to the Beams if necessary ~~Gutter Waterway~~

Deck Beams, how secured to the side? ~~Welded knees riveted to frames~~

Hold or Lower Deck ditto D D

Paddle " " No. of breasthooks Five crutches Five

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

Manufacturer's name or trade mark ~~Barclay Plates~~

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

Builder's Signature ~~Barclay Curle & Co~~

Surveyor's Signature ~~J. Darling~~

Lloyd's Register Foundation

IRON442-034

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

riveted 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 fay 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 *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.)

Tested by R^c Burrell at Low Walbers
23rd May 1868

Tested by R^c Burrell at
Low Walbers 23rd, 29th May 1868

No. <i>A double Sails</i>	She has SAILS.	CABLES, &c.		Test as per Certificate.	In. req'd per Rule.	Test req'd per Rule.	ANCHORS, &c.		Weight. Ex. Stock.	Test as per Certificate.	Wght req'd per Rule.	Test req'd per Rule.
		Fathoms.	Inches.				N ^o .	Weight.				
	Fore Sails,	Chain	300	1 ³ / ₄	55 ¹ / ₂	1 ³ / ₄	Bowers	3	30.5.11 7.1.4	29.5.2.14 30	30	28 ⁵ / ₁₀
	Fore Top Sails,	Jamplis hawse	at 83 fms						30.1.11 7.1.13	28.18.0.14 30	30	28 ⁵ / ₁₀
	Fore Topmast Stay Sails	Hempen Stream Cable	90	11		10			30.0.1 6.1.20	25.13.1.21 25 ¹ / ₂	25	25 ¹ / ₂
	Main Sails,	Hawser	90	1	18	-	Stream	1	11.3.17 11.11.1.0	12	-	-
	Main Top Sails,	Towlines	90	9		9			6.0.0.6 3.0.10.5.0.0	6	6	-
	and	Warp	90	5 ¹ / ₂		5 ¹ / ₂	Kedges	2	3.0.10.5.0.0	3	3	-
		All of <i>Good</i> quality.										

Her Standing and Running Rigging *Galo* *Wire* & *Hemp* sufficient in size and *Good* in quality.
She has *one 10 feet* Long Boat and *one 24 feet life* Boat, *one 24 feet Pinace* & *one 24 ft Gj*
The present state of the Windlass is *new* Capstan *new* and Rudder *new* Pumps *two and efficient*

- Order for Special Survey DATES of Surveys held while building
No. 531 Date *Aug 1868* built under *Special Survey*
Order for Ordinary Survey 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
3rd. When the beams were in and fastened, and before the decks were laid from the 10th March
4th. When the ship was complete, and before the plating was finally coated to the 31st July 1868
5th. After the ship was launched

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

General Remarks, The frames are spaced 23 ms apart and are doubled with Angle Bars same size as frames for half the ships length in midships.
Bulb Bar to middle line Intercostal Bulkhead $8\frac{1}{2} \times 70$; Fitted with an Intermediate Intercostal Bulkhead $18\frac{1}{2} \times 40$ with two Angle Bars on top of floors $5 \times 4 \frac{1}{2} \times 90$; Butt Straps of Sheerstrake are in one length and are triple riveted for half the ships length in midships.
Stanchions to each Hold Beam $3\frac{1}{2}$ ms; tween decks $3\frac{1}{2}$ ms (Tube)
Fitted with Emerson and Walkers Patent Windlass.

The main Mizzen and Bowsprit each of four foynes of four plates 70×50 two Angle Bars in Bowsprit $5 \times 5 \times 50$, lands double clenched and butts triple carvel riveted; The main & Cross Jack Yards of four, each of two plates $60 \times 50 \times 50$ thick; The Lower Topsail Yards of the main & Mizzen of Steel, each of two plates $70 \times 50 \times 50$, lands single clenched, and butts triple Carvel Riveted. The remainder of spars are of wood

In what manner are the surfaces preserved from oxidation? Inside with White Zinc Paint, and Portland Cement
Ditto ditto Outside with Zinc paint & Patent Grease

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

The amount of the Fee £ 5 : : : is received by me,

John W^r Special £ 52.15.0

Certificate (if required) £ 5.0.0

Committee's Minute 14th August 1868.

Character assigned *A.1*

2019
I am of opinion this
Sailing Vessel of iron is
eligible for Classification
recommended above the
to be 40' in Registered Length
in Lloyd's Register
of Shipping District. Dr 3/9/68