

IRON SHIP.

(Received at London Office)

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No. 584 Survey held at Hull Date, First Survey June 23/85. Last Survey 27 Oct. 1885
On the Iron Screw Lug-Alexandria

TONNAGE under Tonnage Deck	ONE, OR TWO DECKED, THREE DECKED VESSEL, SPAR, OR AWNING-DECKED VESSEL.	Master
Ditto of Third, Spar, or Awning Deck.	Half Breadth (moulded) .. 8.75	Built at Hull
Ditto of Poop, or Raised Or. Dk.	Depth from upper part of Keel to top of Upper Deck Beams 9.50	When built 1885 Launched Aug
Ditto of Houses on Deck	Girth of Half Midship Frame (as per Rule) .. 14.75	By whom built Earle & Co
Ditto of Forecastle	1st Number .. 32.50	Owners Hull & Paisley Railway Dock Co. Hull.
Gross Tonnage 65.574	1st Number, if a 3-Decked Vessel .. deduct 7 feet	Residence
Less Crew Space	Length .. 41.0	Port belonging to Hull
Less Engine Room	2nd Number .. 23.04	Destined Voyage River towing
Register Tonnage as cut on Beam 11.32	Proportions— Breadths to Length .. 4.3	If Surveyed while Building, Afloat, or in Dry Dock. Building and afloat
	Depths to Length—Upper Deck to Keel .. 7.4	
	Main Deck ditto ..	

LENGTH on deck as per Rule .. 41 0	BREADTH— Moulded .. 16 6	DEPTH top of Floors to Upper Deck Beams .. 8 5	Power of Engines .. 45	Horse .. 45	Nº. of Decks with flat laid .. One	Nº. of Tiers of Beams .. One
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Dimensions of Ship per Register, length, 42.6 breadth, 16.65 depth, 8.5

KEEL, depth and thickness .. 6 1/8	PLATES in Garboard Strakes, br'dth & thickness .. 30 6 30 6
STEM, moulding and thickness .. 5 1/2 1/8	From Garboard to upper part of Bilges .. 68 5 68 5
STERN-POST for Rudder do. do. .. 5 1/2 2 1/4	Of d'bling at Bilge, or increased thickness and length applied ..
" " for Propeller .. 5 1/2 2 1/4	From up. prt of Bilge to lr. edge of Sh'rstrake .. 68 5 68 5
Distance of Frames from moulding edge to moulding edge, all fore and aft .. 20 inches	Main Sheerstrake, breadth and thickness .. 30 6 30 6

FRAMES, Angle Iron, for 2/3 length amidships .. 2 1/2 2 1/2 5	Class 100 A	Of d'bling at Sh'stk. & lng. applied ..
Do. for 1/3 at each end .. 2 1/2 2 1/2 5		From M'n. to Up. or Spar Dk. Sh'rstrake ..
REVERSED FRAMES, Angle Iron .. 2 1/4 2 1/4 4		Up. or Spar Dk Sh'rstrake, br'dth & thickn'ss ..
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships .. 12 5 12 5		Butt Straps to outside plating, breadth & thickness .. 8 7/8 8 7/8
" thickness at the ends of vessel .. 2 1/4 2 1/4 4		Lengths of Plating .. 10 1/2 10 1/2
" depth at 3/4 the half-bdth. as per Rule .. 2 1/4 2 1/4 4		Shifts of Plating, and Stringers .. 3 1/2 3 1/2
" height extended at the Bilges .. 2 1/4 2 1/4 4		Gunwale Plate on ends of Awning, Spar, or Upper Deck Beams, breadth and thickness .. 20 5 20 5

BEAMS, Upper, Spar, or Awning Deck .. 4 1/2 3 6 4 1/2 3 6		Angle Iron on ditto .. 2 1/4 2 1/4 4 2 1/4 2 1/4 4
Angle or d'ble Ang. Iron, Plate or Tee Bulb Iron .. 4 1/2 3 6 4 1/2 3 6		Tie Plates fore and aft, outside Hatchways .. 7 5 7 5
Angle or double Angle Iron on Upper edge .. 4 1/2 3 6 4 1/2 3 6		Diagonal Tie Plates on Beams No. of Pairs .. 2 1/2 2 1/2
Average space .. 40 inches		Flat of Up., Spar, or Awning Dk. .. 2 1/2 2 1/2

BEAMS, Main, or Middle Deck .. 4 1/2 3 6 4 1/2 3 6		How fastened to Beams .. 2 1/2 2 1/2
Angle or d'ble Ang. Iron, Plate or Tee Bulb Iron .. 4 1/2 3 6 4 1/2 3 6		Stringer Plate on ends of Main or Middle Deck .. 2 1/2 2 1/2
Angle or double Angle Iron, on Upper Edge .. 4 1/2 3 6 4 1/2 3 6		Beams, breadth and thickness .. 2 1/2 2 1/2
Average space .. 40 inches		Is the Stringer Plate attached to the outside plating? ..

BEAMS, Lower Deck .. 4 1/2 3 6 4 1/2 3 6		Angle Irons on ditto, No. ..
Angle or d'ble Ang. Iron, Plate or Tee Bulb Iron .. 4 1/2 3 6 4 1/2 3 6		Tie Plates, outside Hatchways ..
Angle or double Angle Iron on Upper Edge .. 4 1/2 3 6 4 1/2 3 6		Diagonal Tie Plates on Beams, No. of pairs ..
Average space .. 40 inches		Flat of Middle Deck* do. do. ..

BEAMS, Hold, or Orlop .. 4 1/2 3 6 4 1/2 3 6		How fastened to Beams ..
Angle or d'ble Ang. Iron, Plate or Tee Bulb Iron .. 4 1/2 3 6 4 1/2 3 6		Stringer Plates on ends of Lower Deck, Hold or Orlop Beams ..
Angle or double Angle Iron on Upper Edge .. 4 1/2 3 6 4 1/2 3 6		Is the Stringer Plate attached to the outside plating? ..
Average space .. 40 inches		Angle Irons on ditto, No. ..

EELSONS Centre line, single or double plate, box, or intercostal, Plates .. 8 8 8 8		Stringer or Tie Plates, outside Hatchways ..
" Rider Plate .. 8 8 8 8		Flat of Lower Deck* ..
" Bulb Plate to Intercostal Keelson .. 3 1/2 3 4 3 1/2 3 4		
" Angle Irons .. 3 1/2 3 4 3 1/2 3 4		

" Double Angle Iron Side Keelson .. 3 1/2 3 4 3 1/2 3 4		Ceiling betwixt Decks, thickness and material .. 1 1/2 1 1/2
" Side Intercostal Plate .. 3 1/2 3 4 3 1/2 3 4		" in hold do. do. .. Solid cementing
" do. Angle Irons .. 3 1/2 3 4 3 1/2 3 4		Main piece of Rudder, diameter at head .. 3 3
" Attached to outside plating with angle iron .. 3 1/2 3 4 3 1/2 3 4		do. at heel .. 2 2

ILGE Angle Irons .. 3 3 6 3 3 6		Can the Rudder be unshipped afloat? .. Yes
" do. Bulb Iron .. 3 3 6 3 3 6		Bulkheads No. 4 No. per Rule 4
" do. Intercostal plates riveted to plating for length .. 3 3 6 3 3 6		" Thickness of 4 1/2

ILGE STRINGER Angle Irons .. 3 3 6 3 3 6		" Height up to upper deck ..
" Intercostal plates riveted to plating for length .. 3 3 6 3 3 6		" How secured to sides of ship by double frames ..
		" Size of Vertical Angle Irons 2 1/2 2 1/2 4 and distance apart 30 ins.

DE STRINGER Angle Irons .. 3 3 6 3 3 6		" Are the outside Plates doubled two spaces of Frames in length? .. Yes

FRAMES extend in one length from Hull to Gunwale		Riveted through plates with 5/8 in. Rivets, about 5 apart.
REVERSED ANGLE IRONS on floors and frames extend across middle line to upper turn of and to Bilge		And butts properly shifted? .. Yes
EELSONS. Are the various lengths of Plates and Angle Irons properly connected? .. Yes		

LATING. Garboard, double riveted to Keel, with rivets 5/8 in. diameter, averaging 4 1/4 ins. from centre to centre.		
" Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 5/8 in. diameter, averaging 2 1/2 ins. from centre to centre.		
" Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 5/8 in. diameter averaging 2 1/2 ins. from centre to centre.		

" Butts of One Strakes at Bilge for 1/2 length, double riveted with Butt Straps 1/6 thicker than the plates they connect.		
" Edges from Bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets 5/8 in. diameter, averaging 2 1/2 ins. from cr. to cr.		
" Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 5/8 in. diameter, averaging 2 1/2 ins. from cr. to cr.		

" Edges of Main Sheerstrake, double or single riveted. Upper Sheerstrake, double or single riveted.		
" Butts of Main Sheerstrake, double riveted for all length amidships. Butts of Upper or Spar Sheerstrake, treble riveted length amidships.		
" Butts of Main Stringer Plate, double riveted for all length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for length.		

" Breadth of laps of plating in double riveting .. 2 1/2		
" Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? .. No. of Breasthooks, 3 Crutches, 2		
" What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? .. Plates, W.S. "Not Blackton."		

Manufacturer's name or trade mark, .. August D. I. & Co. "Norman Long & Co"		
The above is a correct description.		
Builder's Signature, ..	Surveyor's Signature, .. James M. Neil	

Workmanship.

Are the butts of plating planed or otherwise fitted? *Planed*

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*

Are the fillings between the ribs and plates solid single pieces? *Yes*

Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *Yes*

Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? *Yes*

Do any rivets break into or through the seams or butts of the plating? *No*

Masts, Bowsprit, Yards, &c., are *throughout* in *Good* condition, and sufficient in size and length. If of Iron or Steel give 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 riveting, quality of Materials, and if stamped with Maker's name.

State also Length and Diameter of Lower Masts and Bowsprit *Good*

NUMBER & LETTER for EQUIPMENT		Fathoms	Inches	Test per Certificate	Inches per Rule	Machine where Tested and Superintendent, also Number of Certificate	ANCHORS.	N ^o .	Weight. Ex. Stock.	Test per Certificate	W'ght req'd per Rule.	Machine where Tested and Superintendent, also Number of Certificate.
N ^o .	SAILS.	CABLES &c.					Bower Anchors	1	3.1.8	5.16.24		
		Chain						1	1.0.0			
	Fore Sails,	Iron Stream Chain					Stream Anchor					
	Fore Top Sails,	or Steel Wire										
	Fore Topmast Stay Sails,	or Hempen Strm										
		Cable										
		Towline, Hemp.										
N ^o .	Main Sails,	or Steel Wire					Kedge					
		Hawser										
	Main Top Sails, and	Warp										
		quality					2nd Kedge.					

Standing and Running Rigging *Good* sufficient in size and *Good* in quality. She has *one* Long Boat and *Good*

The Windlass is *Good* Capstan *Good* and Rudder *Good* Pumps *Good*

Engine Room Skylights. How constructed? *Iron* How secured in ordinary weather? *hand screws*

What arrangements for deadlights in bad weather? *Galipulius one Bullseye* Height above deck? *Flush*

Coal Bunker Openings. How constructed? *cast iron* How are lids secured? *locked*

Scuppers, &c. What arrangements for clearing upper deck of water, in case of shipping a sea? *openings through bulwarks*

Cargo Hatchways. How formed? *Iron Conings* Forehatch *Small* Quarterhatch *Small*

State size Main Hatch *Small*

If of extraordinary size, state how framed and secured? *"*

What arrangement for shifting beams? *"*

Hatches, If strong and efficient? *Yes*

Order for Special Survey No. *315* Date *19/6/85*
Order for Ordinary Survey No. *✓* Date *✓*
No. *289* in builder's yard.
State dates of letters respecting this case *1/6/85*

General Remarks (State quality of workmanship, &c.) *This one decked vessel for Corning purposes has been built in accordance with the accompanying approved plans of Midship Section and in other respects with the Rules for the 100-A Class. The iron work is efficiently protected from oxidation by Cement and paint, and the Workmanship is good. I beg to submit the equipment supplied (as above) as worthy of the Committee's favourable consideration with the view to the Vessel being assigned to this vessel's Class.*

State if one, two, or three decked vessel, or if spar, or awning decked; and the lengths of poop, bridge, fore-castle, or raised quarter deck. (If double bottom, state particulars on separate form.)

How are the surfaces preserved from oxidation? Inside *Cement and paint* Outside *Paint*

I am of opinion this Vessel should be Classed *100-A-1*

The amount of the Entry Fee *£ 1 : 0 : 0* is received by me, *James M. Neil*

Special *£ 4 : 4 : 0* 18

(to be sent as per margin). Certificate ... *" : " : "*

(Travelling Expenses, if any, £ *✓*).

Committee's Minute *TUESDAY 10 NOV 1885*

Character assigned *100-A-1*

James M. Neil

Surveyor to Lloyd's Register of British and Foreign Shipping

It is submitted that this vessel is worthy of the favorable consideration of the Committee to be classed 100-A-1 for Corning purposes as recommended by the Register.

9/11/85