

IRON SHIP

No. 5277 Survey held at *Glasgow* Date, First Survey *12 Jan'y 1880* Last Survey *20th Jan'y*
On the *S. S. "Clenbravin"* Master *J. Hogg*

TONNAGE under Tonnage Deck *2696.33* **ONE, OR TWO DECKED, THREE DECKED VESSEL.**
Ditto of Third, Spar, or Awning Deck
Ditto of Poop, or Raised Quarter Deck
Ditto of Houses on Deck
Ditto of Forecastle
Gross Tonnage *2985.35* **HALF BREADTH** (moulded) *21.50* **DEPTH** from upper part of Keel to top of Upper Deck Beams *28.08*
Ditto of Space *94.39* **GIRTH** of Half Midship Frame (as per Rule) *44.00* **1st NUMBER** *93.58*
Engine Room *2890.96* **2nd NUMBER** *31009* **PROPORTIONS** Breadths to Length *8.32*
Net Tonnage *1935.65* **Length** *358.16* **Depths to Length**—Upper Deck to Keel *12.76*
Main Deck ditto *17.64*

Built at *Glasgow* 5277
When built *1880* Launched *20th Nov/80*
By whom built *The London and Glasgow Engineering & Shipbuilding Co., Ltd.*
Owners *McGregor Gow & Co.*
Port belonging to *Glasgow*
Destined Voyage *China*
Surveyed while Building, Afloat, or in Dry Dock. *Under Special Survey*

Feet. Inches. BREADTH—Moulded... *43* **DEPTH** top of Floors to Upper Deck Beams... *24 6 1/2* **Power of Engines**... *580* **No. of Decks with flat laid** *Two*
Feet. Inches. 16ths. 64ths. 1024ths. per Rule

Ship per Register, length, *360.4* breadth, *43.3* depth, *24.5*
Plates in Garboard Strakes, breadth and thickness from Garboard to upper part of Bilges of doubling at Bilge, *11 x 3/4* thickness, and length applied *12 x 6 1/2*
Main Sheerstrake, breadth and thickness of doubling at Sheerstrake, & length applied *40 x 12*
Up or Spar Deck Sheerstrake, breadth & thickness

BEAMS, Upper, Spar, or Awning Deck Single or double Angle Iron, Plate or Tee Bulb Iron *9 x 9*
Average space... *48*
BEAMS, Main or Middle Deck Single or double Angle Iron, Plate or Tee Bulb Iron *10 1/2 x 10*
Average space... *48*
BEAMS, Lower Deck, Hold, or Orlop Single or double Angle Iron, Plate or Tee Bulb Iron *10 1/2 x 10*
Average space... *48*
ELSONS Centre line, single or double plate, Box or Intercoastal Plates *48 x 10*
Rider Plate *36 x 10*
Bulb Plate to Intercoastal Keelson
Angle Irons
Double Angle Iron Side Keelson
Side Intercoastal Plate
do. Angle Irons
Attached to outside plating with angle iron
BILGE Angle Irons
do. Bulb Iron
do. Intercoastal plates riveted to plating for length
BILGE STRINGER Angle Irons *6 1/2 x 4 1/2*
Intercoastal plates riveted to plating for length
SIDE STRINGER Angle Irons *6 1/2 x 4 1/2*

ansoms, material. Knight-heads. Hawse Timbers. *Iron*
Windlass *Napier's Patent* Pall Bitts

The **FRAMES** extend in one length from *Keel* to *Gunwale*
The **REVERSED ANGLE IRONS** on floors and frames extend from middle line to *upper deck on every frame*
KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? *Yes*
PLATING. Garboard, double riveted to Keel, with rivets *1 1/8* in. diameter, averaging *5 1/2* ins. from centre to centre.

Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets *7/8* in. diameter, averaging *3 3/8* ins. from centre to centre.
Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets *7/8* in. diameter averaging *3 3/8* ins. from centre to centre.
Butts of Outside Strakes at Bilge for *3 1/2* length, treble riveted with Butt Straps *1 1/2* thicker than the plates they connect.
Edges from bilge to Main Sheerstrake, worked clencher, double *or single* riveted; with rivets *7/8* in. diameter, averaging *3 3/8* ins. from cr. to cr.
Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets *7/8* in. diameter, averaging *3 3/8* ins. from cr. to cr.
Edges of Main Sheerstrake, double *or single* riveted.
Butts of Main Sheerstrake, treble riveted for *1/2* length amidships. Butts of Upper or Spar Sheerstrake, treble riveted for *1/2* length amidships.
Butts of Main Stringer Plate, treble riveted for *1/2* length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for *1/2* length.
Breadth of laps of plating in double riveting *5 1/2* Breadth of laps of plating in single riveting *5*

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double *or single* Riveted?
Waterway, how secured to Beams *Gutter* (Explain by Sketch, if necessary.)
Beams of the various Decks, how secured to the sides? *By knees turned down* No. of Breasthooks, *Five* Oratches, *Five* and *Five*
Wha. description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? *Best*
Manufacturer's name or trade mark *Frames and Bulbs, Mossend; Rivet frames, Dalzell; Rivet angles, Dalzell; Beams angles, Mossend; A. & J. Long, Auckland; Stringers and deck plates, Connell; Clydesdale and Glasgow; Keel plates, B. V. & Co. & Connell.*
The above is a correct description.
Builder's Signature, *London Glasgow Engineering Co. Ltd.* Surveyor's Signature, *Saml. Laphroan*
Surveyor to Lloyd's Register of British and Foreign Shipping.

