

IRON SHIP.

FRIDAY 3 JULY 1885

No. **8934** Survey held at **Port Glasgow** Date, First Survey **17th Octr/84** Last Survey **30th June 1885**
On the **Barque Ruthwell** (53 units) Box 304 K

TONNAGE under Tonnage Deck **1250.47** **ONE, OR TWO DECKED, THREE DECKED VESSEL.** Master (Not appointed)
 Ditto of Third, Spar, or Awning Deck. **Half Breadth** (moulded) **17.97** Built at **Port Glasgow**
 Ditto of Poop, or Raised Or. Dk. **55.92** Depth from upper part of Keel to top of Upper Deck Beams **23.705** When built **1874-85** Launched **13th June 1885**
 Ditto of Houses on Deck **34.7** Girth of Half Midship Frame (as per Rule) **37.04** By whom built **Robert Duncan & Co.**
 Ditto of Forecastle **7.28** 1st Number **78.665** Owners **J. C. Guthrie**
 Gross Tonnage **1348.37** 1st Number, if a 3-Decked Vessel .. deduct 7 feet
 Less Crew Space **52.4** Length **225.58** Residence **29 Wapping St Glasgow**
 Less Engine Room 2nd Number **17981** Port belonging to **Glasgow**
 Register Tonnage **1295.97** Proportions— Breadths to Length.. **6.37** Destined Voyage **Sydney**
 as out on Beam) Depths to Length—Upper Deck to Keel.. **9.64** If Surveyed while Building, Afloat, or in Dry Dock.
 Main Deck ditto .. **—** **While building under J. C.**

LENGTH	Feet.	Inches.	BREADTH	Feet.	Inches.	DEPTH	Feet.	Inches.	Power of Engines	Horse.	N ^o . of Decks with flat laid	N ^o . of Tiers of Beams
on deck as per Rule	228	7	Moulded	35	0	top of Floors to Upper Deck Beams	21	8 1/2	4	4	1	2
Do. do. Main Deck Beams						Do. do. Main Deck Beams						
Dimensions of Ship per Register, length 229.5 breadth, 36.2 depth, 24.5 moulded depth = 32.11 1/2												
KEEL , depth and thickness	9 x 3 1/2		9 x 2 1/2		PLATES in Garboard Strakes, br'dth & thickness							
STEM , moulding and thickness	8 1/2 x 2 1/2		8 1/2 x 2 1/2		41 11 36 11							
STERN-POST for Rudder do. do.	8 1/2 x 2 1/2		8 1/2 x 2 1/2		" From Garboard to upper part of Bilges... 10 10							
" " for Propeller	—		—		" Of d'bling at Bilge, or increased thickness, and length applied 3 Strakes... 11 11							
Distance of Frames from moulding edge to moulding edge, all fore and aft	24		24		" From up. prt of Bilge to lr. edge of Sh'rstrake... 10 10							
FRAMES , Angle Iron, for 1/2 length amidships	5	3	8	5	3	8	" Main Sheerstrake, breadth and thickness... 40 12 40 12					
Do. for 1/4 at each end	5	3	7	5	3	7	" Of d'bling at Sh'stk. & lng. applied — —					
REVERSED FRAMES , Angle Iron	3 1/2	3	8	3 1/2	3	8	" From M'n. to Upr. or Spar Dk. Sh'rstrake... — —					
FLOORS , depth and thickness of Floor Plate at mid line for half length amidships	24		24		10		" Upr. or Spar Dk Sh'rstrake, br'dth & thicken'ss... — —					
" thickness at the ends of vessel	—		—		8		Butt Straps to outside plating, breadth & thickness 16 1/4 x 1 1/4 do 13 1/2 do					
" depth at 1/2 the half-bdth. as per Rule	12		12		—		Lengths of Plating Shen frame spaces 2 3 1/4 do 12 1/2 do					
" height extended at the Bilges	48		48		—		Shifts of Plating, and Stringers 2 3 1/4 do 12 1/2 do					
BEAMS , Upper, Spar, or Awning Deck	8 1/2	—	8	8 1/2	—	8	Gunwale Plate on ends of Awning Spar, or 44 10 44 10					
Single or double Angle Iron, Plate or Tee Bulb Iron	3	3	7	3	3	7	Upper Deck Beams, breadth and thickness... 5 x 4 x 9 5 x 4 x 9					
Single or double Angle Iron on Upper Edge	48		48		—		Angle Iron on ditto ... 13 10 13 10					
Average space...	—		—		—		Tie Plates fore and aft, outside Hatchways 13 10 13 10					
BEAMS , Main, or Middle Deck	—	—	—	—	—	—	Diagonal Tie Plates on Beams No. of Pairs 4 4					
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	—		—		—		Flat of Up., Spar, or Awning Dk. 2 1/2 in 4 4					
Single or double Angle Iron on Upper Edge	—		—		—		How fastened to Beams By bolts — 10 — 10					
Average space...	—		—		—		Stringer Plate on ends of Main or Middle Deck Beams, breadth and thickness — —					
BEAMS , Lower Deck	8 1/2	—	8	8 1/2	—	8	Is the Stringer Plate attached to the outside plating? — —					
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	3	3	7	3	3	7	Angle Irons on ditto, No. — —					
Single or double Angle Iron on Upper Edge	48		48		—		Tie Plates, outside Hatchways ... — —					
Average space...	—		—		—		Diagonal Tie Plates on Beams, No. of pairs — —					
BEAMS , Hold, or Orlop	—	—	—	—	—	—	Flat of Middle Deck* do. do. — —					
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	—		—		—		How fastened to Beams — —					
Single or double Angle Iron on Upper Edge	—		—		—		Stringer Plates on ends of Lower Deck, Hold or Orlop Beams ... 32 9 32 9					
Average space...	—		—		—		Is the Stringer Plate attached to the outside plating? Yes as reqd					
KEELSONS Centre line, single or double plate	17	—	12	17	—	12	Angle Irons on ditto, No. 2 4 x 4 x 9 4 x 4 x 9					
Box, or Intercoastal, Plates on Floors	10 3/4	—	12	10 3/4	—	12	Stringer or Tie Plates, outside Hatchways ... 13 9 13 9					
" Rider Plate	—		—		—		Flat of Lower Deck* 1 1/2 in 3 9 3 9					
" Bulb Plate to Intercoastal Keelson	5	4	9	5	4	9	Ceiling betwixt Decks, thickness and material 2 2					
" Angle Irons	5	4	9	5	4	9	" in hold do. do. 2 1/2 2 1/2					
" Double Angle Iron Side Keelson	—		—		—		Main piece of Rudder, diameter at head ... 6 1/4 6 1/4					
" Side Intercoastal Plate	—		—		—		do. at heel ... 3 1/4 3 1/4					
" do. Angle Irons	3	3	7	3	3	7	Can the Rudder be unshipped afloat? Yes					
" Attached to outside plating with angle iron	—		—		—		Bulkheads No. One No. per Rule One					
BILGE Angle Irons	5	4	9	5	4	9	" Thickness of 6 1/4 6 1/4					
" do. Bulb Iron	—		—		—		" Height up upper deck					
" do. Intercoastal plates riveted to plating for length	5	4	9	5	4	9	" How secured to sides of ship Double frames					
BILGE STRINGER Angle Irons	—		—		—		" Size of Vertical Angle Irons 5 x 3 x 8 1/2 and distance apart 30 ins.					
Intercoastal plates riveted to plating for length	5	4	9	5	4	9	" Are the outside Plates doubled two spaces of Frames in length? Yes					
SIDE STRINGER Angle Irons	—		—		—							

The **FRAMES** extend in one length from **Keel** to **Foremast** Riveted through plates with **7/8** in. Rivets, about **7** apart.
 The **REVERSED ANGLE IRONS** on floors and frames extend **from middle line to upper R stringer ahead frame** alternately
KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? **Yes** And butts properly shifted? **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 3/4** ins. from centre to centre.
 " Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets **7/8** in. diameter averaging **3 1/2** ins. from centre to centre.
 " Butts of **four** Strakes at Bilge for **half** length, treble riveted with Butt Straps **7/16** 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 3/4** ins. from cr. to cr.
 " Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets **7/8** in. diameter, averaging **3 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, treble riveted for **1/2** length amidships. Butts of Upper or Spar Sheerstrake, treble riveted **half** length amidships.
 " Butts of Main Stringer Plate, treble riveted for **1/2** length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for **half** length.
 " Breadth of laps of plating in double riveting **5 1/4** Breadth of laps of plating in single riveting **—**
 Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? **Single & Double** No. of Breasthooks, **Five** Crutches, **Three**
 What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? **ford**
 Manufacturer's name or trade mark, **Norman's Patent, West March, W. Stockton, Glasgow, Clydevale, Consell & Bontsfield**
 The above is a correct description.
 Builder's Signature, **Wm. McLean & Co.** Surveyor's Signature, **J. D. Reid**
 Surveyor to Lloyd's Register of British and Foreign Shipping.

