

IRON SHIP.

Rec 5/6/73

No. 3661 Survey held at Glasgow Date, First Survey 31st Oct 1871 Last Survey 4th June 1873

On the S.S. "Virginia" Yard Number 167 Master Sadler

TONNAGE under Tonnage Deck 1717.03	ONE, OR TWO DECKED, THREE DECKED VESSEL.	Built at Glasgow
Ditto of Third Spar, or Lower Deck 734.30	SPAR, OR AWNING-DECKED VESSEL.	When built 1871-73 Launched 29 th March 1873
Ditto of Poop, or Raised Qr. Dk. - - -	HALF BREADTH (moulded) 18.0	By whom built London Glasgow & S.S.B. Coy
Ditto of Houses on Deck 22.01	DEPTH from upper part of Keel to top of Upper Deck Beams 23.1	Owners State Line Steam Ship Coy (Limited)
Ditto of Forecastle - - -	GIRTH of Half Midship Frame (as per Rule) 35.2	Port belonging to Glasgow
Gross Tonnage 2473.34	1st NUMBER 76.3	Destined Voyage Glasgow to New York
Less Crew Space 88.15	1st NUMBER, if a THREE-DECKED VESSEL	Surveyed while Building, Afloat, or in Dry Dock.
For feed 2451.33	deduct 7 feet - - -	
Less Engine Room 791.47	LENGTH 328.5	
Register Tonnage as out on Beam 1593.72	2nd NUMBER 25.064	
	PROPORTIONS —Breadths to Length Over nine	
	Depths to Length—Upper Deck to Keel Under eleven	
	Main Deck ditto Over fourteen	

LENGTH on deck as per Rule ... 328 5/10	BREADTH —Moulded ... 36 -	DEPTH top of Floors to Upper Deck Beams ... 28 9/10	Feet. Inches. 28 9/10	Power of Engines ... 400	Horse. 400	N ^o . of Decks with flat laid <u>Three</u>	N ^o . of Tiers of Beams <u>Three</u>
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	Inches in Ship.	Inches per Rule.	Inches in Ship.	Inches per Rule.	Feet. Inches.	Power of Engines	Horse.	N ^o . of Decks with flat laid	N ^o . of Tiers of Beams
KEEL , depth and thickness	10 x 2 3/4	10 x 2 3/4	10 x 2 3/4	10 x 2 3/4	28 9/10	400	400	Three	Three
STEM , moulding and thickness	10 x 2 3/4	10 x 2 3/4	10 x 2 3/4	10 x 2 3/4					
STERN-POST for Rudder do. do.	10 x 5 1/2	10 x 5 1/2	10 x 5 1/2	10 x 5 1/2					
for Propeller	10 x 5 1/2	10 x 5 1/2	10 x 5 1/2	10 x 5 1/2					
Distance of Frames from moulding edge to moulding edge, all fore and aft	24	(Class 100A)	24	(Class 100A)					
FRAMES , Angle Iron, for 2/3 length amidships	4 1/2 x 3	4 1/2 x 3	4 1/2 x 3	4 1/2 x 3					
Do. for 1/3 at each end	4 1/2 x 3	4 1/2 x 3	4 1/2 x 3	4 1/2 x 3					
REVERSED FRAMES , Angle Iron	3 x 3	3 x 3	3 x 3	3 x 3					
FLOORS , depth and thickness of Floor Plate at mid line for half length amidships	22 x 9	22 x 9	22 x 9	22 x 9					
thickness at the ends of vessel	- - -	- - -	- - -	- - -					
depth at 2/3 the half-bdth. as per Rule	- - -	- - -	- - -	- - -					
height extended at the Bilges	twice	twice	twice	twice					
BEAMS , Upper Spar, or Awning Deck Single or double Angle Iron, Plate or Tee Bulb Iron	6 x 6	6 x 6	6 x 6	6 x 6					
Average space	48	48	48	48					
BEAMS , Main or Middle Deck Single or double Angle Iron, Plate or Tee Bulb Iron	8 1/2 x 8	8 1/2 x 8	8 1/2 x 8	8 1/2 x 8					
Average space	48	48	48	48					
BEAMS , Lower Deck, Hold or Orlop Single or double Angle Iron, Plate or Tee Bulb Iron	9 x 9	9 x 9	9 x 9	9 x 9					
Average space	48	48	48	48					
KEELSONS Centre line, single or double plate, box, or Intercostal Plates	19 x 9	19 x 9	19 x 9	19 x 9					
" Rider Plate	20 x 10	20 x 10	20 x 10	20 x 10					
" Bulb Plate to Intercostal Keelson	20 x 10	20 x 10	20 x 10	20 x 10					
" Angle Irons	4 x 4	4 x 4	4 x 4	4 x 4					
" Double Angle Iron Side Keelson	6 x 4	6 x 4	6 x 4	6 x 4					
" Side Intercostal Plate	- - -	- - -	- - -	- - -					
" do. Angle Irons	6 x 4	6 x 4	6 x 4	6 x 4					
" Attached to outside plating with angle iron	3 1/2 x 3 1/2	3 1/2 x 3 1/2	3 1/2 x 3 1/2	3 1/2 x 3 1/2					
BILGE Angle Irons	6 x 4	6 x 4	6 x 4	6 x 4					
" do. Bulb Iron	9 x 9	9 x 9	9 x 9	9 x 9					
" do. Intercostal plates riveted to plating for 3/5 length	- - -	- - -	- - -	- - -					
BILGE STRINGER Angle Irons	6 x 4	6 x 4	6 x 4	6 x 4					
Intercostal plates riveted to plating for 3/5 length	- - -	- - -	- - -	- - -					
SIDE STRINGER Angle Irons	- - -	- - -	- - -	- - -					
Transoms, material. Knight-heads. Hawse Timbers.	Iron								
Windlass Napier's patent Pall Bitt	-								

The **FRAMES** extend in one length from Keel to Gunwale Riveted through plates with 3/4 in. Rivets, about 6 apart.

The **REVERSED ANGLE IRONS** on floors and frames extend from middle line to Lower Deck from thence to Spar Deck alternately forward and aft of 2 1/2 ft amidships Reverse frames run from middle line to hold beams and main deck 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 1/8 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 3/4 ins. from centre to centre.

Butts of three Strakes at Bilge for half length, treble riveted with Butt Straps 1/16 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 3/4 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 length amidships Butts of Upper or Spar Sheerstrake, treble riveted 1/2 length amidships.

Butts of Main Stringer Plate, double riveted for length amidships Butts of Upper or Spar Stringer Plate, treble riveted for 1/2 length.

Breadth of laps of plating in double riveting 6 times Breadth of laps of plating in single riveting 3 1/2 times

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

Waterway, how secured to Beams Nuts & Screws (Explain by Sketch, if necessary.)

Beams of the various Decks, how secured to the sides? By knees turned down No. of Breasthooks, 7 Crutches, 4

What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? B. Boiler

Manufacturer's name or trade mark, Glasgow Ordnance and Blochairn Coy

The above is a correct description.

Builder's Signature, London Glasgow Engg Iron Shipbuilding Coy Ltd

Surveyor's Signature, Saml. Lapthorn

1/7/72

IRON 454-0180

