

IRON SHIP.

23516
Dec 21/11

No. 4878 Survey held at Glasgow

Date, First Survey 25 March 7th Last Survey 21 May 11

On the S.S. "ARIZONA" (4 masted barque)

Master James Brown

TONNAGE under 2547.72

ONE OR TWO DECKED, THREE DECKED VESSEL.

Built at Glasgow

Tonnage Deck 2458.80

HALF BREADTH (moulded) 22.5

When built 1879 Launched 10 March 79

Ditto of Main Deck 5006.52

DEPTH from upper part of Keel to top of Upper Deck Beams 38.4

By whom built John Elder & Co.

Ditto of Ropes or Ropes (as per Rule) 117.33

GIRTH of Half Midship Frame (as per Rule) 54.0

Owners Stephen Barker Guyon

Ditto of Houses on Deck 22.70

1st NUMBER 114.9

Port belonging to Liverpool

Gross Tonnage 5146.53

1st NUMBER, if a THREE DECKED VESSEL 7

Destined Voyage Liverpool to New York

Less Free Space 242.27

LENGTH 448

Surveyed while Building, Afloat, or in Dry Dock.

Less Engine Room 2218.09

2nd NUMBER 482.9

under special survey

Register Tonnage 2928.46

PROPORTIONS—Breadth to Length 11.6

under special survey

Less Main Deck 2928.46

Depths to Length—Upper Deck to Keel 11.6

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Less Main Deck ditto 14.7

Depths to Length—Main Deck ditto 14.7

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LENGTH on deck as per Rule 448

BREADTH—Moulded 45

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DEPTH top of Floors to Upper Deck Beams 36

Do. do. Main Deck Beams 28

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Power of Engines 1700

No. of Decks with flat laid FOUR

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No. of Tiers of Beams FOUR

Dimensions of Ship per Register, length, 450.2 breadth, 45.4 depth, 35.7

under special survey

KEEL, depth and thickness 12 x 3

STEM, moulding and thickness 12 x 3-9/16

under special survey

STERN-POST for Rudder do. do. 12 x 8 1/2

for Propeller 13 x 9 1/2

under special survey

Distance of Frames from moulding edge to moulding edge, all fore and aft 21 1/2

FRAMES, Angle Iron, for 1/2 length amidships 6 x 3 1/2

under special survey

Do. for 1/4 at each end 6 x 3 1/2

REVERSED FRAMES, Angle Iron 11 1/2 x 3 1/2

under special survey

FLOORS, depth and thickness of Floor Plate at mid line for half length amidships 28 x 1 1/2

thickness at the ends of vessel 8 1/4

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depth at 1/2 the half-bath, as per Rule AS PER SECTION

height extended at the Bilges TWICE DEPTH

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BEAMS, Upper, Main Deck 9 x 5 1/2

Single or Double Angle Iron on Upper Edge 11 x 6 1/2

under special survey

Average space 4 feet

BEAMS, Main, Middle Deck 11 x 6 1/2

under special survey

Single or Double Angle Iron on Upper Edge 11 x 6 1/2

Average space 4 feet

under special survey

BEAMS, Lower Deck, Middle Deck 11 x 6 1/2

Single or Double Angle Iron on Upper Edge 11 x 6 1/2

under special survey

Average space 4 feet

KEELSONS Centre line, single or double plate, 27 x 1 1/2

under special survey

Intercostal Plates 27 x 1 1/2

Rider Plate 15 x 1 1/2

under special survey

Double Plate to Intercostal Keelson 15 x 1 1/2

Angle Irons 6 1/2 x 1 1/2

under special survey

Double Angle Iron Side Keelson 17 1/2 x 1 1/2

Side Intercostal Plates 17 1/2 x 1 1/2

under special survey

do. Angle Irons 6 1/2 x 1 1/2

Attached to outside plating with angle iron 3 1/2 x 3 1/2

under special survey

BILGE Angle Irons 6 1/2 x 1 1/2

do. Ball Iron 17 1/2 x 1 1/2

under special survey

do. Intercostal plates riveted to plating for length 3 1/2 x 3 1/2

BILGE STRINGER Angle Irons 6 1/2 x 1 1/2

under special survey

Intercostal plates riveted to plating for length 20 x 1 1/2

SIDE STRINGER Angle Irons 3 1/2 x 3 1/2

under special survey

Transoms, material. Knight-heads. Hawse Timbers. E. J. Scott

Windlass 5 m steam midline Pall Bitt

under special survey

The FRAMES extend in one length from Keel to Gunwale

Riveted through plates with 7/8-1 in. Rivets, about 62.8 apart.

under special survey

The REVERSED ANGLE IRONS on floors and frames extend from middle line to above main stringer and to Gunwale alternately

KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? Yes

And butts properly shifted? Yes

LATING. Garboard, double riveted to Keel, with rivets 1 1/8 in. diameter, averaging 6 in. from centre to centre.

Edges of Garboards and to upper part of Bilge, worked clench, double riveted; with rivets 7/8 in. diameter, averaging 3 1/4 ins. from centre to centre.

under special survey

Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 7/8 in. diameter averaging 3 1/4 ins. from centre to centre.

Butts of ALL Strakes and Bilge for No. 1 length, treble riveted with Butt Straps 7/16 in. thicker than the plates they connect.

under special survey

Edges from bilge to Main Sheerstrake, worked clench, double or single riveted; with rivets 7/8 in. diameter, averaging 3 1/4 ins. from cr. to cr.

Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 7/8 in. diameter, averaging 3 1/4 ins. from cr. to cr.

under special survey

Edges of Main Sheerstrake, double or single riveted. Upper Sheerstrake, double or single riveted.

Butts of Main Sheerstrake, treble riveted for Half length amidships. Butts of Upper or Spar Sheerstrake, treble riveted Half length amidships.

under special survey

Butts of Main Stringer Plate, treble riveted for Half length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for Half length.

Breadth of laps of plating in double riveting 5 1/2-8 Breadth of laps of plating in single riveting

under special survey

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

Waterway, how secured to Beams Gutter waterways (Explain by Sketch, if necessary.)

under special survey

Beams of the various Decks, how secured to the sides? Beam knees riveted to Beams No. of Breasthooks, 5 Crutches, 11

What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? Angle Iron, Mild Steel, Bessemer Rattled

under special survey

Manufacturer's name or trade mark, Plates, Corbett, Northend, Mossend, Clydebank

The above is a correct description.

under special survey

Builder's Signature, John Elder & Co.

Surveyor's Signature, James Brown

under special survey

Surveyor to Lloyd's Register of British and Foreign

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under special survey

Do any rivets break into or through the seams or butts of the plating? *Very few and in butts only.*

These angles $6 \times 3 \frac{1}{2} \times \frac{7}{16}$ and $5 \times 3 \times \frac{6}{16}$. Run as far as practicable -

Scuppers, &c.—What arrangements for clearing upper deck of water, in case of shipping a sea? *See Bilge-keels.*

Hatches, If strong and efficient? *Yes.*

General Remarks (State quality of workmanship, &c.) *Sigges Macs. 111. 2 x 24 in / 24 ft / 24 ft / 3 plates in 7000*

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