

MIDSHIP SECTION

NO 189

BARQUE "LADY PENRYN"

Iron Sailing Barque to class 100A at Lloyd's under New Rules - Glasgow Report No: 4123

2/3/76

Raised Quarter Deck 41 ft long

Quarter deck Beams... Bulb... 7 x 7/16
 do do Angles... 2 1/2 x 2 1/2 x 5/16
 do Stringer Plate... 29 x 5/16 to 20 x 7/16
 do do Angle... 4 x 3 x 5/16
 do Tie Plates... 8 x 5/16 to 7/16
 do Flat of Yellow Pine 5 x 3

3 1/2" pine

10 x 9/16 for 1/2 to 5/16

4 1/2 x 3 1/2 x 7/16
 3 x 3 x 5/16

3 x 2 1/2 x 7/16

4 x 3 x 5/16

Plate 5/16 - To be 6/16 in way of Quarter and Anchor decks.

Stringer plate 36 x 9/16 for 1/2 length tapering to 24 x 9/16 at ends Butt straps to be thicker and treble riveted for half vessels length

Sheerstrake about 47 x 10/16 for 1/2 tapering to 9/16 at ends - Butt straps to be thicker and treble riveted for Half vessels length -

Double riveted landing

9/16 for 1/2 to 7/16

Double riveted landing

Angles 3 1/2 x 3 1/2 x 7/16

Stringer plate 28 x 9/16 for 1/2 length thence to 22 x 7/16 at ends -

9/16 for 1/2 to 7/16

Double riveted landing

9/16 for 1/2 to 7/16

Double riveted landing

Tuckson Angles 4 1/2 x 3 1/2 x 7/16

9/16 for 1/2 to 7/16

Butt straps to be thicker and treble riveted for half length -

Double riveted landing

9/16 for 1/2 to 7/16 Butt straps to be thicker and treble riveted for half length -

Double riveted landing

9/16 for 1/2 to 7/16

Double riveted landing

9/16 for 1/2 to 7/16

Double riveted landing

9/16 for 1/2 to 7/16

Double riveted landing

Dimensions -

Length on per rules... 189.
 Half moulded Breadth... 15.66
 Depth from Top of Keel to Main Deck... 21.20
 Girth of Half midship frame section... 32.29

Numerals -

15.66 + 21.2 + 32.29 = 69.15 Tons weight ship
 " + " + " x 189 = 13069.35 Longitudinal

10 x 9/16 for 1/2 to 7/16

Bulb 7 1/2 x 7/16 Angles 3 x 3 x 5/16 on every alternate frame

Keel 8 x 2 3/8 Scarphs 21 3/8
 Stem 7 x 2 3/8 at load line to 5 1/2 x 2 3/8 at head -
 Stern Post 6 x 2 3/8 to 4 1/2 x 2 3/8 at Head -
 Rudder - Stock 4 3/4 Heel 2 3/4

Frames 4 1/2 x 3 x 7/16 for 3/5 length thence to ends 4 1/2 x 3 x 5/16
 Spaced 22 inches apart centre to centre -
 Reverse Frames 3 x 3 x 7/16 extending to Main or Quarter deck

and Lower decks on alternate frames -
 Floor Plates 21 x 9/16 for 1/2 length thence to 7/16 at ends -

Bulkhead - Plates lower 6/16 upper 5/16 - Angles 3 x 3 x 7/16 Spaced 30"

3 1/2 dia

Rider plate extending 3/4 length

9/16 for 1/2 to 7/16

Vertical plate 13 x 10/16 for 1/2 to 7/16

Angles 4 1/2 x 3 1/2 x 7/16

Angles 4 1/2 x 3 1/2 x 7/16

2 1/2 Ceiling

Angle 3 x 2 1/2 x 5/16

6/16 plate

Double riveted landing

9/16 for 1/2 to 7/16

Double riveted landing

9/16 for 1/2 to 7/16

Double riveted landing

4 1/2 x 10/16 to 7/16

9/16 for 1/2 to 7/16

Scale 1/2 Inch to one Foot

Alexr Stephen & Sons

SHIPBUILDERS & ENGINEERS

GLASGOW

DRAWING No 166

22/2/75