5.11.81

MIDSHIP SECTION
OF
No 310

DIMENSIONS

	Feet
LENGTH BETWEEN PERPENDICULARS	180
BREADTH EXTREME	26
DEPTH IN HOLD	14

Section of Bridge
42 feet long

Section of Quarter Deck
56 feet long

Class 100 A1.

Numerals for Scantlings

Depth from Top of Keel to Top of upper deck Beams	15·5
Half Moulded Breadth	12·95
Girth of Half Midship Section	25·75

1st Number 54·20 × 179 = 9701·8

6·9 Breadths to the Length
11·5 Depths " " "

Forecastle Head 20-6" Long

Deck 5"×3"
5×3×7/16
Stringer plate 24"×7/16"
7/16
6 7/16
Deck 5/16
5×3×5/16
Stringer plate 24"×7/16
angle iron 4×3×7/16
Height of Reverse Bars on alternate frames
4/16
4/16
Additional Strengthening at head of R.Q. Deck

angle iron 4×3×7/16
Stringer plate 36"×7/16 amidships & 22 at ends
Bull straps 1/16 thicker & trelle riveted
33"
Laps double riveted
Deck 5/16
Bulls double riveted for 1/2 length
3×3×7/16
1 1/2×7/16
5×3×7/16
Hatch Beam Bull 6×7/16 Angles 3×3×7/16
Height of Reverse bars on alternate frames
5/16 for 3/4 ths the length & 7/16 at ends
Bull straps 1/16 thicker & trelle riveted for 1/2 the length
Height of Reverse bars angles 3 1/2×3 1/2×5/16
22"×5/16
Bulb 6×5/16
5/16×7/16
Beams on 2nd deck 12" alternately if depth of hold under deck is over 18 feet
Raised Quarter
Single riveted lap
7/16 & 5/16
Single riveted lap
5/16 & 7/16
Double riveted lap
Bull straps 1/16 thicker & trelle riveted for 1/2 the length
44"
Angles 3 1/2×3 1/2×5/16
Height of Reverse bars on alternate frames
94"
Angle iron 4×3×5/16
Frames bulled at Bilge for 3 feet
Flange plate 6/16
Tank top 5/16
Ceiling 24
3×2 1/2×5/16
Su Letter 4/11/87
5/16
5/16
on alternate frames
3×2 1/2×5/16
4/16
Rider Plate 8 3/4×7/8×7/16 for 3/4 ths the length
Keelson plate 12"×7/16×8/16 & 7/16 at ends
Angles 4×3×7/16
Ceiling 4 1/2
Bull 6×7/16
Angles 4×3×7/16
Double riveted lap
Bull straps 1/16 thicker & trelle riveted for 1/2 the length
53"
Double Bull straps 3/4 & 7/16
Floor plates 15"×7/16×7/16
Reverse bars 9×2 1/2×7/16
7/16
35" 7/16 & 9/16 for 1/2 the length amidships
Frames 3 1/2×3 1/2×6/16 for 3/4 the length 3 1/2×3×7/16 at ends
47 1/2
37"
9/16 & 8/16 at fore end
7/16 & 7/16
47"
7/16×7/16
Butt straps trelle riveted

Number for Equipment 10671

2 Bower anchors	12 cwt each	
1 "	"	10 1/2 "
1 Stream	"	4 "
1st Kedge	"	2 "
2nd "	"	1
195 Fathoms	1 3/16	stud chain Cable
60 "	1 3/16	Stream chain

Also Hawsers & Warps according to Rule

Hold beams in fore hold as per Rule Sec 14

Fore Ballast Tank 42 feet 92 Tons
After " " 35 " 60 "

Frames spaced 22" from Centre to centre

Double Reverse bars in way of Engines & Boiler

Heel 7 1/2×2 1/16
Sternpost 6 3/4×4 1/4
Stem 6 3/4×2 1/16

SCALE 3/4 INCH TO A FOOT

J.M. 4/4/87

ALEXR HALL & CO. SHIP BUILDERS 21 NOV. 87 ABERDEEN.

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