Iron S.S. "Ashburne" Sunderland report No 12,189

MIDSHIP SECTION

OF No 92 — Rec 16/4/78 & 28/11/78

SCALE ½ = ONE FOOT

Bridge & Poop Deck 3" T. & B.

PRINCIPAL DIMENSIONS

LENGTH PR RULE 282·4
BREADTH ... Do ... 37·9
DEPTH TO TOP FLOORS 25·0
CLASSIFICATION 100 A 3 Decks.

½ Length 40·66
½ Breadth 18·875
Depth 27·0
88·535
79·535 × 282·33 = 22,455

over 10 & under 11 Depths No Upper Dk.
" 14 " 15 " Main "
" 7 " 7½ Breadths.

Poop Radius 8/16

Full Poop about 36 ft long Beams 6½ × 3 × 9/16 on alternate frames.

Bridge House amidships about 50 ft long beams 6½ × 3 × 9/16 on alternate frames

Height of Frames Top gallant Forecastle about 32 ft long with 5/16 iron deck & 5 × 3 × 9/16 beams spaced 24" apart and Doubled in way of Windlass

Side, Bridge & Poop sides 6/16

along poop sides

Bulwark 9/16

Stringer plate 40 × 9/16 for ½ Len^g reduced to 30 × 7/16 at ends. Butts Treble ½ Len^g Angles 4 × 4 × 9/16 to 8/16

7/16.

Iron Deck 9/16 all fore & aft.

10·0

4 × 3 × 8/16

no bulb fore & after

Sheer Strake 40 × 13/16 for ½ Len^g reduced to 10/16 at ends. Butts Treble ½ Len^g Straps 18¾ × 14/16.

Beams of Angle 6 × 3 × 9/16 to 8/16 spaced 24" apart Bulbs at Hatches 8 × 8/16 & 5 × 3 × 9/16 angles. and at Hatches spacing & spaces the bulbs to be same size as Main deck

2⅞ diam

11/16 to 9/16

Stringer plate 40 × 9/16 for ½ Len^g reduced to 30 × 7/16 at ends Butts Treble ½ Len^g Angles 4 × 4 × 9/16 to 8/16

Iron Dk 9/16 ½ Len^g 5/16 ends

3 × 3 × 9/16 angles

9 × 9/16 Bulb fore & after.

4 × 3 × 8/16

11/16 to 9/16

Beams of Angles 6 × 3 × 9/16 to 8/16 spaced 24" apart Bulbs at Hatches 9 × 9/16 & 7½ × 3 × 7/16 angles

3" diam

11/16 to 9/16

Frames 5 × 3 × 9/16 to 7/16 spaced 24" apart. Reverse Frames 3½ × 3 × 8/16 extending to Main Upper Deck alternately ~~11 × 11 × 11 in Engine & Boiler Spaces~~ Web frames 10 ft apart in Engine and Boiler Space

May 78.

Stringer plate 38 × 9/16 for ½ Len^g reduced to 29 × 7/16 at ends Angles 4 × 4 × 9/16 to 8/16 Face Angle 6 × 4 × 9/16 to 8/16

Gusset 9/16

Bulkheads 7/16 & 5/16

Top plate 8¾ × 9/16.

11/16 to 9/16.

7/16 Brackets on alternate frames.

Hold Beams of extra strength spaced on 10th frames Bulbs 10 × 10/16 with 4 × 4 × 9/16 angles

3⅜ & 3¾ when to Main deck

11/16 to 9/16 Butts Treble ½ Len^g Straps 16¾ × 12/16

Intercostal plate 9/16 for ½ Len^g Shell angle 3½ × 3 × 8/16 Kelson angles 6 × 4 × 9/16 to 8/16 extending all fore & aft.

Double bottom all fore & aft including Engine Room

11/16 to 9/16 Butts Treble ½ Len^g Straps 16¾ × 12/16.

Tank Top 6/16

7/16

Angles on Tank 3 × 3 × 6/16

6 × 4 × 9/16 to 8/16

9/16 all fore & aft.

6 × 4 × 9/16 to 8/16

Tanks in Engine Room to be divided up centre similar to ours Nos 87 & 88 S.S. also S.S. No 82 See Report No 11,760.

Mean Boss plates 12/16 in Butts treble Riveted

7/16 Bracket or Reverse Frame at Bilge

11/16 to 9/16 Butts Treble ½ Len^g Straps 16¾ × 12/16

Floors 24 × 10/16 ½ & 8/16 ends Moulded at 14/2 = 12 in

11/16 to 9/16

11/16 to 9/16.

11/16 to 9/16

Garb^s 36 × 12/16 to 11/16 ends

Plating reduced under Ballast Tank per Rule. Viz 11/16 in except Garboards

Keel 10 × 2¾
Stern post 10 × 5½
Stern 10 × 2¾
Rudder ½ & 3¾

Equipment
No 26,873
Bs 32 Cwt
" 32 "
" 27¼ "
Total 91¼
St^rm 13 Cwt
Kl^r 6½ "
" 3¼ "
Chains 270 fms 1 13/16 in
" 75 " 1 7/16 "
Ropes 90 fms 12 · 11 · 7 in each

SHORT BROTHERS,
Iron Shipbuilders,
SUNDERLAND.

18/5/78

Sdanrey 3/5/78

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