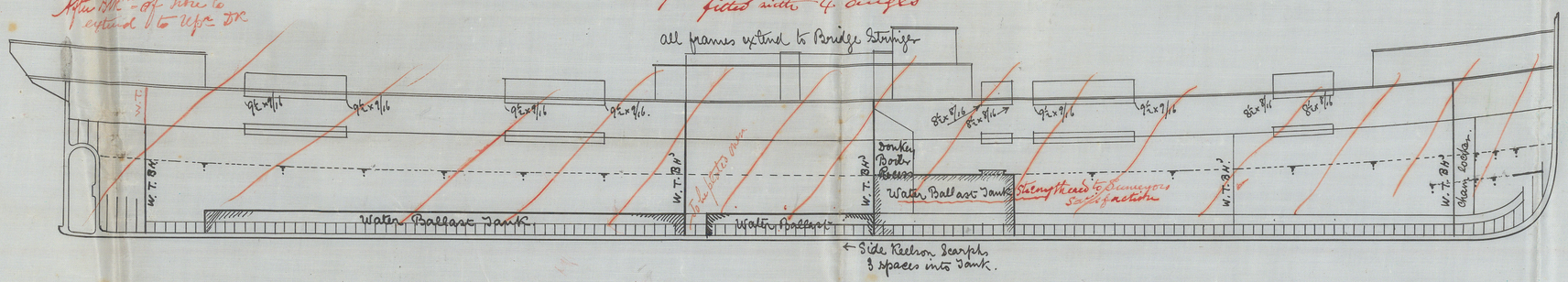

No. 156. S. Gloucester Eld, report No. 13524

No 156 & 160.

MIDSHIP SECTION FOR AN IRON S.S.

300' x 40' x 24'·6"

to class 100 A at Lloyds. 3 dk rule.

Scale ½" = 1ft.

Numerals ½ girth 42·75
Depth 26·54
Breadth 19·87
89·16
7·0 obb.
82·16
298 length
65728
73944
16432
2nd numeral. 24483·68

Equipment Number
$\sqrt{26569} + \frac{1}{10}^{K} = 29226.$

		cwt	
2 Bower anchors (ex Stock)		34	97 Total
1 " " "		29	
1 Stream "	10¾ cwt		
1 Kedge "	5½ "		
1 Kedge "	2½ "		

270 fath. 1⅞ Stud Chain Cable.
75 " 1⅛ Stream chain.
100 " 12" Hemp Towline.
90 " 9½ Hawser
90 " 8" Warp.

Proportions.
Breadths ..... 7·49
Depths. Upper dk ... 11·22
Depths. Middle dk. 15·85

Bridge half beams 6 x 3 x 8/16 on alternate frames
Stringer 27" x 6/16 Poop & 3 cle at ends. 42 x 7/16" Bridge.
3½ x 3 x 6/16.
3½ cle 12" x 8/16 Bridge
6 x 3½ yellow pine.
Carlin 9½ x 2½ x 8/16 } Poop & Bridge, on alternate frames.
Butts 6½ x 6/16.
Angles 3 x 3 x 6/16 } 7 cle on alternate frames.
Butts 7½ x 7/16
Reverse bars to Forecastle & Lower deck alternately.
Notch 1 in 6/16 at ends for Wood floor to be 3½ thick over same.
Stringer plate. 43 x 10/16 for ½ L. to 37 x 8/16 at ends.
Straps 1/16 thicker & treble riv'd for ½ length of.
Iron deck 7/16 to ½ length 5/16 at ends double riveted for ½ length.
6 x 3 yellow pine.
Bulwarks 5/16
Poop. Bridge & 3 cle sides 6/16.
Angles 4 x 4 x 9/16 for 3/5 L. to 8/16 at ends
4" x 3" x 6/16.
9" Camber
Beams at ends of hatches exceeding six spaces 9½ x 9/16
Angles 3½ x 3 x 7/16 } on alternate frames.
Butts 8½ x 8/16 }
one angle 4 x 3 x 8/16 at ends of hatches.
Sheerstrake 40 x 13/16 for ½ length. to 10/16 at ends. Butt Straps 1/16 thicker & treble riv'd for ½ L. Doubled with 30 x 4/16 to 10/16 for 3/4 L.
End of alternate Reverse bar
11/16 to 9/16.
2½" dia.
2 5/8
Stringer 43 x 9/16 for ½ length to 36 x 8/16 at ends.
Straps 1/16 thicker & treble riv'd for ½ length.
Angles 4 x 4 x 9/16 for 3/5 L. to 8/16 at ends
End of alternate Rev: bar.
11/16 to 9/16.
Straps 1/16 thicker & treble riv'd for ½ length
Excess Iron deck 7/16 to 6/16 double riv'd for ½ length.
Angles 3½ x 3½ x 7/16 } on alternate frames.
Butt 9½ x 9/16 to 3½ x 8/16 }
one angle 4 x 4 x 8/16 at ends of hatches.
Angle Bulb 7½ x 3 x 9/16 to 8/16 opposite hatches on every frame.
3" dia.
Stringer 40 x 9/16 for ½ L. to 31 x 8/16 at ends.
Angles 4 x 4 x 9/16 to 8/16.
Gusset plate 7/16
Inner Corners of plating exceeding 6 in breadth to be tested by R. for its quality
Covering plates 9¾" x 9/16 } on every eighth frame.
Bulb 10½ x 10/16 }
Angles 4½ x 3½ x 9/16 }
9" Camber.
Panting & peak beams 7 x 7/16 bulb 3 x 3 x 6/16 angles
6 x 4 x 9/16 for 3/5 L. to 8/16
Frames. 5 x 3½ x 8/16 for 3/5 L. to 5 x 3½ x 7/16 at ends. } Spaced 24".
Rev: frames 3½ x 3½ x 8/16 to Upper & above Middle deck Stringer alternately.
All reverse bars in Engine & Boiler space run up to Upper deck & double across floors from Upper bilge to upper bilge.
3½ diar.
3⅞ . 6 M dk.
Bulkheads 7/16 to 5/16
Rudder head 7¾ at head to 3¾" at keel.
Stem & Keel 10 x 2¾. Stern post 10" x 6"
Boss plates of Siemens' Steel.
Intercostal 9/16 for 3/5 L.
Rider 13 x 13/16 for ½ length to 11/16 at ¾ L.
Keelson 19 x 13/16 in Tank to 19 x 1" outside Tank (in lieu of increasing depth ½") for ½ length to 11/16 at ends.
Keelson Angles 6 x 4 x 9/16 for 3/5 length to 8/16 at ends.
Bulb 8½ x 8/16 for ½ length.
8½ x 8/16 for 3/5 L.
Intercostal 9/16 for ½ L. 3½ x 3½ x 8/16
11/16 to 9/16
Butt Straps of four strake of plating at the bilges 1/16 thicker & treble riveted for ½ length
also the butt straps of the remaining outer strake of plating 1/16 thicker & treble riveted for ½ length.
End of reverse frames in E & B space.
Angle 3½ x 3½ x 8/16.
11/16 to 9/16.
Web frames spaced from 8 to 10 fr. apart in Eng. & B. Space.
7/16 Web frame.
Web frames. 7/16
Not to exceed 10 ft apart
Tank Girders not to exceed 3 ft apart unless additionally strengthened.
Tank Top 6/16 single riv'd in seams & butts.
7/16 laps double riv'd
Single angle 3 x 3 x 6/16
3" x 3" x 6/16"
3 x 3 x 6/16
5 x 4 x 9/16
in Tank 3 x 3 x 6/16
3 Floors 24½ x 10/16 for ½ length to 8/16 at ends.
Intercostal 9/16 as far fore & aft as practicable
Bulb 12" x 3½ x 8/16
Outside plating in way of double bottom 1/16 thinner of 10/16 or above in thickness. entirely within boundary of Tank
36 x 12/16 for ½ L. to 11/16 at ends.
Bridge Fillings 1 ft apart & 1 ft long fitted riv'd ½ length.
Stringer 2½ x 9/16 for ½ length to 24 x 8/16 at ends.
Straps 1/16 thicker & treble riv'd for ½ length.
Angles 4 x 4 x 9/16 for 3/5 L. to 8/16 at ends
End of alternate Rev: bar.
11/16 to 9/16.
Straps 1/16 thicker & treble riv'd for ½ length.
Angles 3½ x 3½ x 8/16
Intercostal 9/16 for ½ L. 3½ x 3½ x 8/16
11/16 to 9/16