30.11.91.

# MIDSHIP SECTION

## Steel Ship

SCALE ½ INCH TO THE FOOT.

No 209. Ballachulish

Gas Rept No

299 × 300 · 29/11/97.

Reg.r Dimensions 265'-0" × 40'-0" × 23'-0"

Equipment

1 P.r Bower Anchor exclus.e Stock 36½ Cwts
1 " " " " 35 "
1 " " " " 32½ "
1 Stream " " " 11¼ "
1 Kedge " " " 3½ "
1 " " " " 2¾ "
90 Fathoms 4" Stud Wire
270 " 1¼" Lead Chain = 5/13¾ Cwts
90 " each 11" 10½ × 6½ Warps

Proportion
9.96 Depths } In Length
6.39 Baths }

Pipes
Side Plating 7/20
Tie plates 10½ × 6/20
Stringer 24" 6/20
Angle 4 × 3" × 7/20
Beams 7½ × 3½ × 7/20 4'-0 apart
Pillars 2¾" to Sunnyside Cattle Station

Decks
Side Plating 7/21
Beams 8½ × 4 × 10/20 4'-0 apart
Stringer 24" × 6/20
" Angle 4 × 3" × 7/20
Tie plates 10½ × 7/20
Pillars 2¾ to Sunnyside Cattle Station

2½ Coose
9/20, 27 ab. Deck
4 × 3½ × 7/20
14 × 7/20 for ½ of 9/20 at ends
Butts Lapped 5" × 2.R
5" × 2½
3" × 1½
9" × 3½ × 4/10
6 × 3 Breast
1¼" 6'-0" apart
8" Keel
3½ × 3 × 7/20
4½ × 10 × 9/20
5 × 4 Yellow pine
14 × 7/20 for ½ of 9/20 at ends
Butts Lapped 5" × 2.R
9½" Round of beam
½ Girth 40.8
½ Keith 19.92
Depths 23.5
86.02 = 18 Cwts
23.2
2167.04 = 24 Cwts
1443.13 = ½ "
23132.17 = Equiv.t to 7 × 2" 9" apart
3" × 1½ Cope
13/20 in Ballachulish
42" × 14/20 for ½ of 13/20 for ¼ of 11/20 at ends
Butts Lapped
¾" Land 7/8 rivets
39½ × 11/20 for ½ of 10/20 for 10/20 & 9/20 aft
Butts Lapped 9 × 3.R
¾ Land 7/8 rivets
¾" × 11/20 for ½ of 10/20 for 8/8 9/20 at ends
Butts Lapped 9 × 3.R
39½ × 11/20 for ½ of 10/20 for 9/20 & 9/20 aft.
Butts Lapped 9 × 3.R
¾" × 11/20 for ½ of 10/20 for 8/8 9/20 at ends.
Butts Lapped 9 × 3.R
16 × 12/20 for ½ of 10/20 for 10/20 & 9/20 aft
Butts Lapped 9 × 3.R
3" × 1½
4 × 4 × 9/8 20
3½ × ⅜ for ½ of 9/20
28 × 7/20 at ends
Butts Lapped 5" × 2.R
16 × 7/20 for ½ of 9/20 at ends
Butts Lapped 5" × 2.R
10" Round of beam
Keel Stem × Sternpost 10 × 2½" Scarphs 26" Rudder head 6¾ heel × pintles 3½"
Frames 5½" × 3½ × 8/20 for 3/4 of 7/20 at ends spaced 24"
Reverse frames 4 × 3½ × 8/20 to main D.k on every frame × forcls alternately
Floors 25 × 10/20 for 3/4 of 9/8 20 at ends Lapped 9 × 3 R
Vertical
½" H.d upper half 6/20 lower 7/20 Angles 5½ × 3½ × 8/20 30 apart
Main D.k Beams 9½ × 9/20 Bulb Angles 3½ × 3½ × 7/20 4'-0" apart
Lower " " 8½ × 9/20 " " " " " with quarter stanchions
or 1" deeper without quarter stanchion
Horizontal Stiffeners 7½ × 3 × 20 lb bulb angles
5½ × 4 × 9/8 20
9½ × 9/20 Bulb
Butts Lapped
½ × 7/20 Keel
Riveting
Rivets in Keel, Stem × Sternpost 1⅛ spaced 5⅛ from centre to centre
" " Frames reverse frames ¾ 10 5¼ " "
" " Shell 7/8 × 1"
Treble riveted laps butts to have three complete rows of rivets
4"
5½ × 4 × 9/8 20
2½ Ceiling
3½ × 3½ × 7/20
8/20
5½ × 4 × 9/8 20
5½ × 4 × 9/8 20
Butts Lapped
9½ × 9/20 Bulb
Keel
Tuck
5½ × 6 × 7/20 for 5/8 of 9/20 at ends
16 × 12/20 for ½ of 10/20 for 10/20 & 9/20 aft
Butts Lapped 9 × 3.R
5½ × 4 × 9/8 20
3½ × 3½ × 7/20
Kel 10 × 2½
11¾ × 13/20 for ½ of 12/20 for ½ of 11/20
Butts Lapped 9 × 3.R
19 × 13/20 for ½ of 12/20 for ½ of 11/20 at ends
Butts Lapped 9 × 3.R
5½ × 4 × 9/8 20
5½ Keel 7/8 rivets
40 × 11/20 for ½ of 10/20 at ends
Straps 5/20 thicker × 3 R for ½ of 12.R at ends
40 × 11/20 for ½ of 10/20 for ½ of 10/20 aft
Butts Lapped 9 × 3.R
5½ × 11/20 for ½ of 10/20 for ½ of 9/20 at ends
Butts Lapped 9 × 3.R
40 × 11/20 for ½ of 10/20 for ½ of 10/20 aft
Butts Lapped 9 × 3.R
16 × 12/20 for ½ of 10/20 for ½ of 11/10 at ends
Butts Lapped 9 × 3.R
5½ × 11/20 for ½ of 10/20 for ½ of 10/20 aft
Butts Lapped 9 × 3.R
16 × 12/20 for ½ of 10/20 for ½ of 11/20 aft
Butts Lapped 9 × 3.R
5½ × 11/20 for ½ of 10/20 for ½ of 11/20 at ends
Butts Lapped 9 × 3.R
1
2
3
4
5
6
7
8

R.M. 29/11/91

C.R.B. 29.11.91

GRK 321-0121

"Ballachulish"
Greenock Report No. 1606.

GRK 321-0121

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