

Builders: North of Ireland Shipbuilding Co. Ltd.
Londonderry.

Nº 59. MIDSHIP SCANTLING SECTION

ARCH PATENT PRINCIPLE OF CONSTRUCTION.
PROPRIETORS: SWAN, HUNTER & WIGHAM RICHARDSON LTD AND MAXWELL BALLARD

DIMENSIONS: 279' 0" x 40' 1 1/2" x 18' 9" MOULDED WITH 6' 0" ARCH

CLASS LOYD'S 100A.1.

Scale 1/2" = 1 ft.

28.8.13.
20.9.13.
7.10.13. Scantlings

Side plating 32
Stringer 3 x 3 x 30
Stringer and side plating 30
Beams every frame 5 x 3 x 30 angle
or alternate 6 1/2 x 3 x 40 B.A.

Side Scantlings.
Side plating 34
String angle 3 x 1 x 30
String & deck plate 30
Beams every frame 6 1/2 x 3 x 40 B.A. (two rows.)

Hatch End Arch Web Beams.

Coaming 3 x 3 x 40
3 x 3 x 30
3 1/2 x 3 1/2 x 38
3 x 3 x 30
3 x 3 x 30

Butts line brackets as profile 40. Flange 3 1/2 on face bar 3 x 3 x 36.

Hatch Side Coaming 44 x 40
Hatch End Coaming Combined with Arch Web brackets 40.

3 x 3 x 30
3 x 3 x 30

Half round iron to prevent chipping of repl. kept up to edge of coaming.

Through beams 6 1/2 x 3 x 38 B.A. every frame.

Half beams at hatches and Carings 6 x 3 x 36 B.A. every frame.

Beams on intermediate bracket frames 8 1/2 x 3 x 44 B.A.

Deck plating 30.
Hatch side strake increases to double.

4 x 4 x 40
4 x 4 x 40
4 x 4 x 40

8 x 8 x 80 supported by legs at alternate beams.

Intermediate bracket frames spaced as per profile 34. Face bar 3 1/2 x 3 1/2 x 38. Two rows of strake.

Arch bracket plate bracketed one frame space on each side. Brackets 30. Legs 2 1/2 x 2 1/2 x 30.

Arch bracket plate bracketed one frame space on each side. Brackets 30. Legs 2 1/2 x 2 1/2 x 30.

Stringer 4 1/2 x 50 for 1/2 length to 25 x 36 at ends. Butts double rivetted to double.

String angle 4 1/2 x 4 1/2 x 48 for 1/2 length to 3 1/2 x 3 1/2 x 38 at ends. Single seam.

Beams head 34.

3 x 3 x 30

3 x 3 x 30

3 x 3 x 30

Buttmark plating 24.
Stays spaced 6' 0" apart.

5 x 5 x 50

5 x 5 x 50

5 x 5 x 50

5 x 5 x 50

5 x 5 x 50

Normal moulded depth line.

— Numerals —

B. 40.125
D. 18.75
len 58.875
2.708
Transverse 56.166
279

a = 18.75
2.833 = 36' margin
15.91
D = 279 / 24.75 = 11.27

Longitudinal 15670.3

Prop. 53 x 8.00
Arch 279 x 12.5 x 1/2
Comings 72 x 7 x 1/2

Stm 8 x 2 1/2
P.P. 8 x 5 1/2
R.P. 7 x 5 1/2

Supplement 17311

These dimensions are the mean heights of the sections.

Centre girder 35 x 44 for 1/2 len. to 36 at ends. 54 in Boiler space. Butts double rivetted to double at ends. where 38 under.

Midship Bulkhead. Plating 34 and 30. Stringer 9 x 3 x 30 B.A. rivetted. Top and bottom. Butts double rivetted. 5 x 5 x 46. At end bulkheads see profile.

Tank floors on alternate frames. Floor 32 fore and aft. 1/2 in Boiler space. Brackets on alternate frames 30 fore and aft. 40 in Boiler space. Side plates 30 fore and aft. 1/2 in Boiler space. Frames and floors on solid floor 3 x 3 x 32. Skeleton floors as shown below.

Tank top plating 32 for 1/2 len. to 36 at ends. Increases + 0.2 in Boiler space for frame spacing = 34 to 32 and 32 to 30 as shown. Cited in way of hatches. Space and 1/2 in B. space. Butts double for 1/2 len. angle at ends.

Heavy plate 36 fore and aft. 46 in B. space. Butts double rivetted. String angle 3 1/2 x 3 1/2 x 36.

12 rivets @ 3/4" each frame.

Reinforce frame lap to take 3 rivets.

Single 4 x 4 x 50 to 48. 32 in B.S.

Single 6 x 6 x 66 to 60.

See 2 1/2

34 x 32

34 x 32

34 x 32

34 x 32

34 x 32

34 x 32

Keel plate 4 3/4 x 76 for 1/2 len. to 56 at ends. Butts quadruple rivetted for 1/2 len. to double at ends.

8 rivets. Rivetted rest.

3 1/2 x 3 x 36 B.A.

32. 32 fore and aft. 36 in B.S.

32. 32 fore and aft. 36 in B.S.

32. 32 fore and aft. 36 in B.S.

32. 32 fore and aft. 36 in B.S.

3 x 3 x 32

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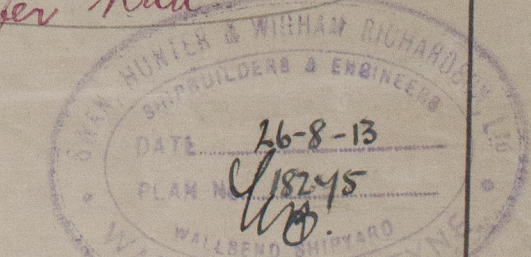
3 x 3 x 32

3 x 3 x 32

Bracket floors.



C.F. 28/8/13.



S/S. "Bedale"
Bel 7428
North of Ireland S.B. Co.

Nº 59

Midship Section

N. I. S. Co. L^d.
RECEIVED
30 AUG. 1913
Ans.

LLOYDS REGISTER OF SHIPPING
RECEIVED
19 SEP. 1913
LONDON

LLOYDS REGISTER OF SHIPPING
RECEIVED
27 JUN. 1914
OCT 20 1913
LONDON

LLOYDS REGISTER OF SHIPPING
RECEIVED
1902
LONDON

LLOYDS REGISTER OF SHIPPING
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20 AUG. 1914
LONDON

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Lloyd's Register
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