

# MIDSHIP SECTION as built.

STEEL SCREW STEAMER

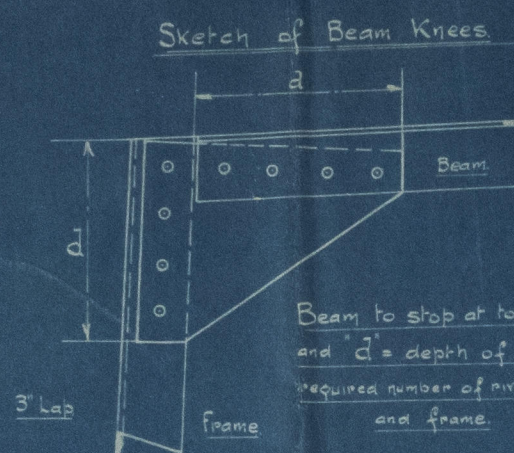
135'-0" x 23'-6" x 11'-0" MOD.

CLASS 100 ALL LLOYDS.

SCALE 1/2" = 1 FT.

EQUIPMENT No 5051-75.

2 Stockless Anchors	8 1/2 Cuts and 8 Cuts	✓
1 Stream Anchor	2 3/4 Cuts (Ex Stock)	✓
1 Kedge Anchor	1 Cut	✓
165 Fathoms	15/16" Stud Link Cable	✓
45 "	2 1/2" Steel Wire Hawser	✓
75 "	7" Hemp Tow Line	✓
90 "	5" Manila Hawser	✓



Beam to stop at toe of frame and "d" = depth of knee with required number of rivets in beam and frame.

3' Lap

Frame

Casing Sides - 24" and Bulkheads.

Casing Top - 24"

3" x 2 1/2" x 24"

Stiffeners 3" x 2 1/2" x 24"

Bulwark Rail 5" x 3" x 34" Bulb Angle. Bulwark Stays 6" x 3" x 34" Bulb Plate Spaced 6'-0" apart. Single Lug 3" x 3" x 30"

Quarter Deck Bulwarks - 24"

After Rail - 28"

Casing Coaming - 30"

Stringer Angle 3" x 3" x 34"

Double Lugs 3" x 3" x 30"

Lug 2 1/2" x 2 1/2" x 30"

Beam Knees 14" x 30"

See sketch above.

Side Plating - 36" for 1/2 L to 28" at ends

LLOYDS Nos

23.5 x 11-0 = 34.5

34.5 x 135 = 4657.5

d = 9.75

Depths in Length = 12.27 (Main Deck)

" " = 9.47 (Quarter Deck)

d = 13 at Q.D.

Transom Beam and Beams taking Deep flanged brackets 3" x 3" x 30"

Hatch End Beams 6" x 3" x 40" Bulb Angles

2 1/2" Seam 3/4" Rivets

Reverse frames punched for Hold Ceiling

Centre Keelson Double Angles

Intercostal Plate - 32" for 1/2 L to 28" at ends

2 1/2" x 2 1/2" x 32" Double

Drain Holes 4" x 3/4"

2 1/2" Seam 3/4" Rivets

3" dia Drain Holes

2 1/2" Seam 3/4" Rivets

5" x 3" x 30" 3'-0" long

5 1/2" Seam 7/8" Rivets

5" Lap 7" Rivets

2 1/2" x 2 1/2" x 28" A. out - 32" to 34" from mid - 34" aft.

B. out and in 32" to 34" from mid - 34" aft.

Keel 35" x 50" for 1/2 L to 42" at ends

Butts overlapped and treble riveted

A, B, C and D Strakes - 32" for 1/2 L to 28" at ends. Butts overlapped and Double Riveted. Boss Plate - 32". Midship thickness maintained forward to Rile position. Collision Bulkhead in A, B and C Strakes.

Bridge Deck Stringer Plating - 24" see Deck Plan. Butts overlapped and Forecastle "Shump" Bulkhead - 24" see Deck Plan. Bridge and Forecastle Decks - 5" x 2 1/2" Pitch Pine right across. Bridge Deck Stringer Angle 3" x 3" x 30" see sketch. Bridge and Forecastle Decks 5" x 2 1/2" Pitch Pine right across. Bridge Deck Stringer Angle 3" x 3" x 30" see sketch. Bridge and Forecastle Decks 5" x 2 1/2" Pitch Pine right across.

Bridge and Forecastle Decks 5" x 2 1/2" Pitch Pine right across

Butts right across. The Plate 6" x 12"

4'-0" Wheelhouse

Bridge Deck Beams 4 1/2" x 3" x 30" on alternate frames 11' Knees - 30"

Forecastle " " 5 1/2" x 3" x 40" " " 14" " 40" as sketch.

6" Casing

Hatches 22" Whitewood

22" x 1 1/2" Solid Moulding

Web plate 34"

3" x 3" x 40" double angles

Angle 3 1/2" x 3" x 50"

Hatch Brackets as Deck Plan

Hatch Side Flanged 6"

Deep Flanged Bracket 30" fixed as Profile.

Frames: In Peaks 5" x 3" x 32" In way of Main Deck 5" x 3" x 34" in view of large hatchway. In way of Quarter Deck 5" x 3" x 34" Spaced 19" apart see profile. 11' from 11' to 11'.

Rev Frames: 2 1/2" x 2 1/2" x 26" on top of floors only. Double in E Space. Single 3 1/2" x 3" x 38" in B Space.

Floors: 15" x 28" for 3/4 L to 26" at ends increased .04" in Engine Space.

and .10" in Boiler Space. Boiler Seats and floors in one plate .60" thick.

Beams: 4 1/2" x 3" x 30" on every frame under Main Deck and Quarter Deck. 14" x 30" Knees.

Decks: 30" for 1/2 L to 28" at ends. Bridge and Forecastle Decks 5" x 2 1/2" Pitch Pine.

Ceiling: 2" Whitewood. Span Ceiling 6" x 2" Whitewood.

Steel Plating: 6" x 34" Propeller Post 5 1/2" x 34" Rudder Post.

Strakes: 6" x 1 1/2" Rudder Head 4" dia.

Side Keelson Single Angle 5" x 3" x 44"

Intercostal Plate - 30" for 1/2 L to 28" at ends.

Bridge and Forecastle Side plating - 24"

as sketch.

Main Deck Bulwarks - 24"

Rail and Stays as Quarter Deck.

Main Deck Stringer Angle 3" x 3" x 38" for 1/2 L to 30" at ends.

F. out - 34" to 36" Sheerstrake 35" x 44" for 1/2 L to 28" at ends. Butts overlapped and Treble Riveted. for 1/2 L Double Riveted at ends. Sheerstrake doubled at Break - 38".

E. in - 38" to 34" for 1/2 L to 28" at ends. 32" increased by .04" in lieu of Side Stringer - 38" to 32".

Butts overlapped and Double Riveted.

D. out - 32" Every Fourth frame punched for Span Ceiling.

Bilge Keel 6" x 30" Bulb Plate and 5" x 3" x 30" Tee bar for about 57 feet.

No 68 Ship

J and D MORRIS LTD

Pelaw Main Slipways

near Newcastle-on-Tyne



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No 68 Ship

Midship Section

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