

MIDSHIP SECTION, STEEL, S, S, No 4. 49

THU 17 FEB 83

To. Class. 100 A.1 Spar Deck. Steel at Lloyd's.

Dimensions.

Half Moulded Breadth	18.66
Depth Top of Keel to Main Deck	18.25
Half Moulded Breadth to ...	33.12
Length as per Rule	258.58
Depth Top of Keel to Spar Deck	25.5
Half Moulded Breadth to ...	40.37

Minerals.

18.66 + 18.25 + 33.12	= 70.03	Stewartship
100 + 100 + 100 x 258.58	= 18108.35	Longitudinal
18.66 + 25.5 + 40.37 x 100	= 21857.76	Equipment

Proportions

258.58 ÷ 37.32	= 6.92	Moulded Breadth
100 ÷ 18.25	= 14.16	Depth to Main Deck
100 ÷ 25.50	= 10.14	Depth to Spar Deck

Equipment.

2 Brown anchors. Stockless 37 1/2 cwt	Set 2000 lbs
1 Brown spare. 25 1/2 cwt	Set 2000 lbs
1 Stream anchor 9 1/2	Set 1100 lbs
1 Tiedge - 100	Set 700 lbs
1 100	Set 500 lbs
270 fathoms of 1 1/2" Steel Chain Cable	Breaking 77 1/2 tons
100 " 1 1/2" Stream	
90 " 3 1/2" Steel Wire	Set 26 tons
90 " 9" Hemp	120 fathoms of 3" Steel Wire
90 " 7 1/2" 100	120 " 2 3/4" 100

Spar Deck Hat 5 x 3 1/2 Pitch Pine.

See Plates 13 x 7/20 for 1/2 length ends 7/20 Butts overlapped 5 and double riveted.

Beams of Bulk 7 1/2 x 7/20 Angles 3 x 3 x 7/20. These 19 deep. On alternate frames. 100 at ends of Hatchways, 9 x 7/20 Bulk & 3 x 7/20 angle single - 1 beam 22 1/2 deep.

Beam Pillars 2 1/2 dia. Reel for Grain Boards.

Main Deck of Steel 7/20 thick. Butts overlapped 5 and double riveted for 1/2 length. See plates at ends of main deck. On bulk plating measured on thickness.

Beams of Angle 7 x 3 x 10/20 to 7/20 on every frame. Plate Rees. 1 1/2 x 1 1/2. 100 at ends of Hatchways. Bulk 9 x 7/20 & 5 x 4 x 3/20 single angle. Beams 22 1/2 deep.

Beam Pillars 2 1/2 dia. Reel for Grain Boards.

Keel. Side Plates 9 x 1.

Stem 8 1/2 x 2 1/2 at L.H.L. to 6 1/2 x 2 1/2 at head.

Stem Frame 8 1/2 x 5 to Gunter. 6 1/2 x 5 at head.

Rudder Stock 6 1/2 dia. Heel and Puntles 3 1/2. Plating 7/20 iron - or 7/20 steel.

Frames 5 x 3 x 7/20 for 3/5 length ends 7/20. Spaced 24"

100 3 x 3 x 7/20 " " 7/20 in way of Double Bottom.

Reverse Frames 5 x 3 x 7/20 " " 7/20 to Main Spar Deck alternately.

Hull Plates 7/20 thick on every frame. In way of S.P.B. space 7/20 iron.

100 at ends of keel 7/20.

Keelheads. Plate 7/20. Angles 4 1/2 x 3 x 7/20 spaced about 30"

Frames and Reverse Frames made extra deep in M.D. and arranged so as to give a depth of border of 16 1/2 ins as shown on sketch.

Centre Vertical Plate 4 1/2 x 7/20 Butts double riveted. Strips 14 1/2 x 7/20 double.

Top Plate 5 1 x 7/20 for 1/2 length ends 7/20. Butts overlapped 5 and double riveted.

Angles 4 x 4 x 7/20 for 1/2 length ends 7/20.

Top Plating 7/20 in S.P.B. space. Butts overlapped 5 and double riveted in S.P.B. space.

100 7/20. Holders 2 1/2. Single.

100 Centre Landing 4 1/2 wide other 2 1/2 wide.

Vertical Angles 3 x 3 x 7/20 single except under engines and on boiler plates where they are double.

Stewartship 3 x 3 x 7/20 single double in S.P.B. space as per Rule.

Longitudinal angles on intercostal plates top of bottom 3 x 3 x 7/20.

2 1/2 Red Pine Ceiling on battens.

Long Plate 7/20 Butts overlapped 5 and double riveted.

angle 3 1/2 x 3 1/2 x 7/20.

Double riveted Landing 5 1/2 wide.

10/20 for 1/2 length to 7/20 at ends.

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Lean Rail 7 x 2 1/2

Iron Stanchions & Rails

4/16 Iron Bulwarks at ends. Strips 5 x 7/16

Stranger Plate 4 1/2 x 7/20 for 1/2 length to 30 x 7/20 at ends.

100 Butts Strips 14 1/2 x 7/20 double riveted for 1/2 length to 9 1/4 x 7/20 Double Riveted.

Gutter angle 2 1/2 x 2 1/2 x 5/16

Stranger angle 4 x 4 x 7/20 to 6 7/20

3 x 1 1/2 Hollow Cape.

Spar Deck Sheer Strake about 40 x 12/20 for 1/2 length to 7/20 at ends.

100 Butts Strips 16 3/4 x 14/20 and double riveted for 1/2 length. Reeds 11 1/4 x 7/20 to 9 1/4 x 7/20

Double riveted Landing 5 1/2 wide.

10/20 for 1/2 length to 7/20 at ends.

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Plating. The plates covering the bow to be 30 thicker than the other plating and to be of same thickness as the other plating, and all the Butt Strips in the longitudinal line of the stem to be 30 thicker and double riveted.

Butt Strips of B.C.D.E.F.G.H.I. To be double riveted as far forward and aft as required till the other Strips are 40 wide, and the inner Strips 48 wide. The Butt Strips within this range to be 30 thicker than the plates on the other Strips, and 30 thicker on the inner Strips. The Strips long 16 1/4 wide. Before and after the Butt to be double riveted. Strips 9 3/4 wide and 30 thicker than the plate.

Material. The Red Pine Plate. Stem. Stern Post. Rudder. Hole Pillars. Shaft Lined. Core Pillars. S.P.B. Siding. Hatch Corners. Bulwark Corners. S.P.B. Corners. Deck House. Slip Iron. and other Plating to be of iron or steel. The section under where the above specified is of steel.

McKie & Thompson
Shipbuilders
Glasgow

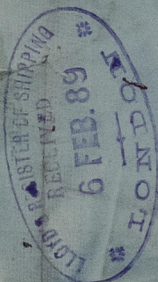
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