

N: 45/844

16 JAN. 84

J. S. N. 99

Scale 1/2" = 1' angle

J. B. K. Mercator

Report No 710.

Lt. L. Ham

1/1/84

Length as per rule 177' 0"

Breadth moulded 31' 7"

Breadth extreme 31' 9"

Depth to top of keel 20' 2"

Depth of hold 18' 6"

Depth moulded 19' 4"

1/2 Girth of D 30.66'

15.79 + 29.17 + 30.66 (66.62 x 177 = 11792 7/10 8.9 1/2 5.6)

Class wanted Loyds 100 A No extra proportions

Stringer plate 18 x 7/16
Top plate 6 x 7/16
Deck 3" pine

Angle beams 4 x 2 1/2 x 7/16

Stringer plate 18 x 7/16
Top plate 6 x 7/16
Stringer angle 3 x 3 x 7/16
Deck 3" pine

Solid

7/16 in way of raised deck

Second deck 3 1/2" for 7/16
7/16 at aft end
7/16 at fore end

double

Stringer plate 3 x 7/16 x 1 1/2 L 23 x 7/16 at ends
Top plate and Diagonals at mast 10 x 7/16 of 7/16 at ends
Stringer angle 4 1/2 x 3 x 7/16
Gusset angle 2 1/2 x 2 1/2 x 7/16
Deck 3 x 3 1/2" pine

H. E. Johns. J. S. N. 99

Butt 7 1/2 x 7/16 where less than 7/16 of beam amid ship 7/16

Transverse angle 3 x 3 x 7/16 throughout

Hatch coamings 7/16 thick 18" above beam, single angle on beam at ends of hatchways 4 1/2 x 3 x 7/16.

Keel 7 1/2 x 2 1/4 Stem x Stem post 7 x 2 1/4 reduced above load line to 7 x 1 1/2 Sharps 20' 2" Redden head 4 1/2" keel and pintles 2 1/4"

Transverse 22" Frames 4 x 3 x 7/16 for 7/16 L 7/16 at ends. Reverse frames 3 x 3 x 7/16 all fore and aft extending to upper deck 18" above lower deck

alternately, Bulkheads 7/16 7/16 for upper half. Vertical stiffeners 4 x 3 x 7/16 horizontal stiffeners 4 x 3 x 7/16 spaced as per rules.

Lower deck stringer plate 25 x 7/16 L 19 x 7/16 at ends. Stringer angle 3 1/2 x 3 1/2 x 7/16

Diagonal 2 1/2 x 7/16 on every beam for 7/16 L amidship on alternate beam at ends.

See plates or angle iron as per section 17.

Lower deck beams to every alternate frame, Butt 7 1/2 x 7/16 Double angle 2 x 2 x 7/16

Keel 2 1/2"

single

Floor plate 20 x 7/16 L 7/16 at ends.

Centered on plate 12 x 7/16 for 7/16 L 7/16 at ends. Top plate on keel 9 3/4 x 7/16 extending for 7/16 L amidship

All keel and hold stringer angles 4 1/2 x 3 x 7/16 all fore and aft

Butt in upper bilge stringer 7 1/2 x 7/16 for 7/16 L amidship

Ward plates 7/16 Lugs 2 1/2 x 2 1/2 x 7/16. Ceiling 7/12" large battens 6 x 2"

Number for equipment = 12578

3 Shovels a 2 1/2 lbs each incl. stock (collective weight 67 lbs)

1 Spade a 8 " " "

1 Kedge a 4 " " "

1 Kedge a 2 " " "

270 fathoms 1 1/2" Lead chain cable

60 " 1 1/2" Chain

90 " 10" Torsion

90 " 8" Hawser

90 " 5" Warp.

Diagonal 2 1/2 x 7/16 on every beam for 7/16 L amidship at ends, long plates 3 1/2 x 7/16

7/16 x 1/2 L 7/16 at ends.

7/16 x 1/2 L 7/16 at ends.

Keel 2 1/2" in length

2 1/2 x 7/16 for 7/16 L ends 7/16

Stringer plate to take 6 frames, trans for double riveting 4 1/2" for single riveting 8 1/2" 7/16 riveting throughout. Spacing of rivets in keel 3" in trans 3" Rivets in keel stem & stern 1" spaced 5" apart from centre to centre and double riveted. Rivets of upper and lower stringer plates staggered and from shanks of plating round the bilge are 1/2" wider than the plates they connect and rivets are riveted for 1/2 L.

Lt.

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