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Emma Sauber

Hamburg No. 615

Midshipsection of a Screw Steamer No.: 344.

Ht: L / Hamburg
16/10/82.

Length between Perpendiculars	254 ft. 0 in.
Breadth moulded	32, 50 ft.
Depth as pr. rule from upper part of Keel to top of upper deckbeam	22, 35 ft.

Two Decked Rule
Double Bottom Bracket System.

1067A

Length of Bridgehouse 48 ft. 0 in.
Height " " 7 ft. 0 in.

Length of forecastle 20 ft. 0 in.
Height above deck 3 ft. 6 in.

Iron deck for whole length { for ½ L 3/8 in. ends 5/16 in.

butts double riveted for ½ L

single riveted

Angles 5½ in. × 3 in. × ½ in. spaced 24 in.

3½ in. × 3 in. × 7/16 in.

bulb 7½ in. × 7/16 in. at ends of hatches

3½ × 3½ × 6/16 in.

7/16 in. in way of hatches

angle 3 - 3 - 7/16

2 web beams 7/16 in. thick

5 in. × 4 in. × 9/16 in. for ⅗ L ends 7/16 in.

½ girth . . . 34, 25
Depth . . . 22, 35
½ Breadth . . . 16, 25
72, 85 = First Number

254 × 72, 85 = 18504 = Second Number
1/15 = 1233
19737 = Number for anchors & chains

L/D = 254/22, 35 = over 11 Depths
L/B = 254/32, 5 = over 7½ Breadths

4 bulkheads of plates 6/16 in., upper half 7/16 in.
3 " " " 5/16 in. " 1/4 in.

30 in. × 7/16 in. ends 30 in. × 9/16 in. butts for ½ L treble riveted and 1/16 in. thicker

3½ in. - 3 in. - 3/8 in.

42 in. × 13/16 in. for ½ L, at ends 9/16 in. butts for ½ L treble riveted and 1/16 in. thicker

double riveted to keel

10/16 in., at ends 8/16 in.

10/16 in. . . 8/16 in.

10/16 in. " " 8/16 in.

10/16 in. . . 8/16 in. butts for ½ L 1/16 in. thicker

Butt straps of four strakes at the bilge to be 1/16 in. thicker and treble riveted for half length amidships.

10/16 in. . . 8/16 in. butts for ½ L treble riveted and 1/16 in. thicker.

8/16 in. " " 7/16 in. butts for ½ L 1/16 in. thicker

All reversed frames to extend to upper deck in Engine & Boiler space

Height of reversed frames 3 in. × 3 in. × 7/16 in. alternately

gusset plate 7/16 in.

4 in. × 4 in. × 7/16 in.; ends ½ in.

33 in. × 9/16 in. ends 26 in. × 8/16 in. butts treble riveted for ½ L and 1/16 in. thicker

feather plate

riderplate 8½ in. × 9/16 in.

4 in. × 3½ in. × 8/16 in.

bulb 9 in. × 9/16 in. spaced to suit hatchways.

8½ in. × 9/16 in.

4 in. × 3½ in. × 8/16 in.

Breadth moulded 32 ft. 6 in.

3¼ in. or 3⅞ in. if in one length from tank to upper deckbeams.

vertical plate 9 × 9/16 and upper angle 3½ × 3½ × 9/16 in way of hatches

lower angle 3½ × 3½ × 9/16 continuous

2 Bowers	25½ Cwt.	excl. stock
1 "	21¾ "	" "
1 stream	8½ "	" "
1 kedge	4¼ "	" "
1 "	2¼ "	" "
270 fathoms	1 10/16 in.	
75 "	1 in.	
90 "	hawser	10 in.
90 "	warp	8½ in.
90 "	"	6 in.

Top angles of longitudinal side girders 3 - 3 - 6/16 continuous for 50 ft. length amidships, two angles at ends only one.

22 1/2 in.

Floor plates: Solid floorplates 6/16 in. thick at every 8th frame and bracket floors 6/16 in. at every 2d " .

Below Engine seat every frame to have floorplates 7/16 in. thick. and longitudinal girders to be 7/16 in. thick

Waterballast tank continuous for a length of 210 ft.

7/16 in. under Engine & Boilers.

Reversed frames 3 in. × 3 in. × 7/16 in. to be 24 in. apart

under Engine seat 8/16 in.

Solid ~~Bracket~~ floors 7/16 at every frame under Engine seat and alternate frames under the Boilers

lightening and hole as shown

Frames for ⅗ L 4½ in. × 3 in. × 8/16 in. at ends 7/16 in. spaced 24 in.

butts double riveted for ½ L

butts single riveted

3/8 in.

3/16 in.

5 in. × 4 in. × 9/16 in. for ⅗ L ends 8/16 in.

Bracket at inclining Bulkheads.

butts for ½ L 7/16 in. thicker

36 × 23/32 for ⅗ L ends 11/16 in. all butts treble riveted and 1/16 in. thicker

11/16 in. " " 9/16 in. " " 8/16 in. " " 10/16 in. " " 8/16 in.

Sternpost	8½ in. × 5 in.
Stem	8½ in. × 2½ in.
Rudder	6½ in., at heel 3½ in.

Scale: ½ in. = One foot.

Hamburg October 11th 1882.

16/10/82

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