

Victoria 8/8

Bulkheads

5 water tight bulkheads, of which the after most bulkhead will be carried to hold beam and forming the fore end of ballast tank. The remaining bulkheads to extend to main deck, the after and the boiler bulkhead to be of 5" plates and stiffened with bars as shown on the sketch of tanks; the remaining bulkheads to be of 1/2" plates stiffened with angles 2 1/2 x 5/8 30" apart. In aftermost 7' 9" from sternpost will be fixed a stiffening bulkhead, for propeller box of 1/2" plates.

1/2 breadth = 12.00'
1/2 girth = 22.875'
depth = 14.875'

length = 168.75'

8311 = number

Midship - Section

of
Iron - Screw - Steamer No 116

Dimensions

Length overall . . . 176'-6"
D_g as per rule . . . 168'-9"
Breadth . . . 24'-0"
Depth as per rule . . . 14'-4 1/2"
D_g moulded . . . 13'-10 1/2"

Displacement 90 A.

Bergen. March 9th 1887.
for Bergens mekaniske Værksted

B Coucheron

5.4.87

Top of alternate reversed frame
Sheers strake 33 x 1/2 for 1/2 length amidship
red. to 33 x 5/16 at ends
Butt straps 1/2 for 1/2 length

1/2 for 1/2 length amidship
red. to 5/16 at ends

7/8 for 3/4 length from fore
1/2 at end

These two strakes to be doubled for abt 29' from stern in way of lead waterline, within the same length will be fitted short angles between the frames (of same size as main frame) extending from below light line to above lead water line.

1/2 for 3/4 length from fore
1/2 at end

Shaft Tunnel

Top plating 5/16" - Side plating 1/2"
Bottom plating 1/2" - Top plating in way of hatch 1/2" - The tunnel to be strengthened with transverse angle irons 2 1/2 x 2 1/2 x 5/8 abt 8' apart.

The plating to be caulked and made watertight.

A watertight sluiceway to be fitted on the engine room bulkhead capable of being closed from main deck.

1/2 for 1/2 length amidship
red. to 5/16 at ends
Butt straps 1/2 for 1/2 length

1/2 for 1/2 length amidship
red. to 5/16 at ends

1/2 for 1/2 length amidship
red. to 5/16 at ends

1/2 for 1/2 length amidship
red. to 5/16 at ends

1/2 for 1/2 length amidship
red. to 5/16 at ends

1/2 for 1/2 length amidship
red. to 5/16 at ends

1/2 for 1/2 length amidship
red. to 5/16 at ends

1/2 for 1/2 length amidship
red. to 5/16 at ends

1/2 for 1/2 length amidship
red. to 5/16 at ends

1/2 for 1/2 length amidship
red. to 5/16 at ends

1/2 for 1/2 length amidship
red. to 5/16 at ends

Anchor & Chains etc

Number 9142

2 Bowers a 12 Cwt each of stock
1 St. 10 1/2 " " " "
1 Stream " 4 " " " "
1 Hedge " 2 " " " "
1 St. 1 " " " " "
195 fathoms 1 3/4" steel chain cable
60 " - 1 3/8" stream chain
75 " - 3/4" Towline
90 " - 5/8" warp.

Single riveted 5/8" rivets

Butts of side plating in bridge, forecastle and bulwark to be single riv.

Double riv. 3/4" rivets

Top of alternate rev. frame
Sheers strake to be doubled for 30 ft in way of the break of poop.

Double riv. 7/8" rivets for 3/4 length amidship
3/4" - at ends

Single riv. 3/4" rivets for 3/4 length from fore
5/8" - at end

Top of alternate rev. frame

Double riv. 3/4" rivets for 3/4 length from fore
5/8" - at end

Water Ballast Tanks

One Tank in main hold, in front of Boiler bulkhead 12-3' in length, carried to 16" above hold beam. One abt in after plat 16' in length carried to hold beam. A fore & aft partition of 5/16" plates, to be fitted in the center of main tank, stiffened by angles. Top plating a bulkheads to each tank to be of 5/16" plates. For beams & stiffening bars, see the sketch showing details of water ballast tanks etc.

Beams on alternate frame of single angle iron 5 x 3 x 1/2

Full poop 92'-3" in length from fore part of sternpost

Top-gallant-forecastle 31' 0" in length from after part of stem

each 7'-0" above main beam

Front bulkhead of poop to be of 1/2" plates

Beams on alternate frame

Beams in Engine & Boiler space: plate 7 x 1/2 with double angle irons on upper and lower edges 3 x 3/4

1 1/2" diam. under every beam for 3/4 length amidship (with exception of engine & boiler space) under alternate beam forward & abaft this length

This strake plate to have double angle irons on inner and outer ends in engine & boiler space where no hold beams be fitted.

Build 6 x 1/2 with double angle irons 2 x 2 x 5/8

Beams under 18' to be: Build 5 1/2 x 5/8 with double angle irons 2 x 2 x 5/8

3 1/2" diam.

11" x 9" for 1/2 length amidship red. to 8 1/2 x 7 1/2 at ends

Double reversed frames 3 1/2 x 2 1/2 x 5/8 from 21/2 to 21/2 in engine & boiler space

11" x 9" for 1/2 length amidship red. to 8 1/2 x 7 1/2 at ends

Double reversed frames 3 1/2 x 2 1/2 x 5/8 from 21/2 to 21/2 in engine & boiler space

11" x 9" for 1/2 length amidship red. to 8 1/2 x 7 1/2 at ends

Double reversed frames 3 1/2 x 2 1/2 x 5/8 from 21/2 to 21/2 in engine & boiler space

11" x 9" for 1/2 length amidship red. to 8 1/2 x 7 1/2 at ends

Scale: 1/2 inch to one foot

J. C. Sturgeson