

19390 Iron

Port Hull, October 11th 1877
"Albert"

Rec 11/10/77 287 tons

Details of Main Boilers of the Steam Ship

Diameter $11^{\circ} 6^{\circ}$ Length $10^{\circ} 0^{\circ}$

Thickness of shell plates $\frac{7}{16}$

Description of riveting of longitudinal joints *Lap joint, double riv.* of circumferential joints *Lap joint, single riv.*

Pitch of rivets ditto $2\frac{1}{2}$ ditto $1\frac{3}{4}$

Diameter of rivets ditto $\frac{7}{8}$ ditto $\frac{7}{8}$

Lap of plating ditto $4\frac{1}{4}$ ditto $2\frac{1}{2}$

No. Size of manholes in circular shell $15\frac{3}{4} \times 13$

How compensated for *by ring $6^{\circ} \times 5\frac{1}{8}$*

Number of furnaces in boiler 2

Diameter of furnaces $3^{\circ} 3^{\circ}$ Length of furnaces $7^{\circ} 0^{\circ}$

Thickness of furnace plates $\frac{7}{16}$

Description of joint of furnaces *Riveted, single.*

Port Whether strengthened with rings *No* Greatest length between rings ---

Report (if any) on Hull of Vessel. Thickness of combustion chamber plating $\frac{7}{16}$

Diameter of screw stays to ditto $1\frac{1}{16}$ pitch of stays $12^{\circ} \times 12^{\circ}$

End plates, thickness $\frac{7}{16}$, top $\frac{5}{16}$ doubling plate.

Diameter of longitudinal stays to end plates $1\frac{1}{2}$ pitch of ditto $14\frac{1}{2} \times 14^{\circ}$

How stays are secured *By double nuts and washers.*

Diameter of tubes $3\frac{1}{2}$ pitch of tubes $4\frac{3}{4} \times 4\frac{3}{4}$

Thickness of tube plates *front $\frac{7}{16}$, back $\frac{5}{8}$*

Stayed by *Screwed tabs* pitch of stays $14\frac{1}{4} \times 14\frac{1}{4}$

Description of steam receiver *Horizontal circular chest.*

Diameter of ditto $4^{\circ} 0^{\circ}$ length of ditto $9^{\circ} 10^{\circ}$

Thickness of plating of ditto $\frac{7}{16}$ ends $\frac{8}{16}$

Ends, how stayed *By three gusset stays*

Horizontal steamchest connected with the boilers by copper pipes.

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