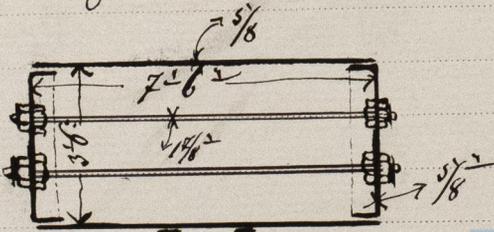


17485, Iron. *Rev 7/2/76*
 Port Hull. November 14th 1876
 "Vine" 460 tons

Details of Main Boilers of the Steam Ship

Diameter $13^{\circ} 0^{\circ}$ Length $9^{\circ} 4^{\circ}$
 Thickness of shell plates $\frac{3}{8}^{\circ}$
 Description of riveting of longitudinal joints *Double butt straps* of circumferential joints *Lap*
 Pitch of rivets ditto $3\frac{1}{4}^{\circ}$ ditto 3°
 Diameter of rivets ditto 1° ditto 1°
 Lap of plating ditto ditto 5°
 No. Size of manholes in circular shell $13^{\circ} \times 18^{\circ}$
 How compensated for *By ring $3\frac{1}{4} \times 7^{\circ}$*
 Number of furnaces in boiler 3
 Diameter of furnaces $2^{\circ} 6^{\circ}$ Length of furnaces $8^{\circ} 9^{\circ}$
 Thickness of furnace plates $\frac{7}{16}^{\circ}$
 Description of joint of furnaces *Welded*
 Whether strengthened with rings *Yes* Greatest length between rings $5^{\circ} 10^{\circ}$
 Thickness of combustion chamber plating $\frac{7}{16}^{\circ}$
 Diameter of screw stays to ditto $5\frac{1}{8}^{\circ}$ pitch of stays $9^{\circ} \times 9^{\circ}$
 End plates, thickness $\frac{1}{8}^{\circ}$
 Diameter of longitudinal stays to end plates 2° pitch of ditto $15\frac{1}{2}^{\circ} \times 15^{\circ}$
 How stays are secured *By double nuts and washers*
 Diameter of tubes 3° pitch of tubes $4\frac{1}{2}^{\circ} \times 4\frac{1}{2}^{\circ}$
 Thickness of tube plates $\frac{5}{8}^{\circ}$
 Stayed by *Screw tubes* pitch of stays $4\frac{1}{2}^{\circ} \times 17^{\circ}$
 Description of steam receiver *Horizontal, cylindrical*
 Diameter of ditto $3^{\circ} 6^{\circ}$ length of ditto $7^{\circ} 6^{\circ}$
 Thickness of plating of ditto $\frac{5}{8}^{\circ}$ ends $\frac{5}{8}^{\circ}$
 Ends, how stayed *By four solid stays; $1\frac{1}{8}$ diam. $14^{\circ} \times 14^{\circ}$ pitch.*



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