

19826 *Lu*

Port *West Hart Pool*

16 Nov. 1874
Recd 17/12/77
861.68 tons

Details of Main Boilers of the Steam Ship *Cordmon*

Diameter *10' 8"* Length *9' 4"*

Thickness of shell plates *$\frac{7}{8}$*

Description of riveting of longitudinal joints *Welded* of circumferential joints *Double*

Pitch of rivets ditto *"* ditto *$2\frac{1}{8}$*

Diameter of rivets ditto *"* ditto *1*

Lap of plating ditto *"* ditto *$4\frac{1}{8}$*

Size of manholes in circular shell *$15 \times 11\frac{1}{2}$*

How compensated for *Rectangular plate $24 \times 28 \times 1\frac{1}{16}$*

Number of furnaces in boiler *3*

Diameter of furnaces *$2' - 8$* Length of furnaces *$4' - 0'$*

Thickness of furnace plates *Crown $\frac{1}{2}$ Bottom $\frac{9}{16}$*

Description of joint of furnaces *Double butt. Single riveted*

Whether strengthened with rings *No* Greatest length between rings *"*

Thickness of combustion chamber plating *$\frac{1}{2}$*

Diameter of screw stays to ditto *$1\frac{1}{2}$ dia outside* pitch of stays *$\frac{1}{4} \times \frac{1}{4}$*

End plates, thickness *$\frac{13}{16}$*

Diameter of longitudinal stays to end plates *$2\frac{5}{8}$* pitch of ditto *$18 \times 13\frac{1}{2}$*

How stays are secured *Nuts and washers $8"$ dia*

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

Thickness of tube plates *$\frac{13}{16}$*

Stayed by *Stay tubes* pitch of stays *$14\frac{1}{4} \times 9\frac{1}{2}$*

Description of steam receiver *Steam dome contracted at neck*

Diameter of ditto *$3' - 0$* length of ditto *$5' - 0"$*

Thickness of plating of ditto *$\frac{7}{16}$* ends *$\frac{5}{8}$*

Ends, how stayed *Four stays in dome $2\frac{1}{4}$ dia outside*

All longitudinal seams in shell welded except of one plate in inner course of shell plating

Shell *$57520 \times 1\frac{3}{4} \times \frac{1}{16}$* *$45.8$ lbs working pressure*
 128×6.5

Flat plates between screwed stays *$\frac{100 \times 8^2}{4^3} = 106$*
in Combustion Chamber

James Blair
Engineer Surveyor to Lloyd's Register of Shipping.