

Particulars referred to,

Description. *Circular Vertical Cochran Patent*
Made at *Brookland* by whom made *Cochran & Co*
Ltd
when made *17.4.89* where fixed.....
Working pressure *80.4* tested by hydraulic pressure to *160.4*
No. of Certificate *184* fire-grate area.....
description of safety valves *Spring* No. of safety valves *2*
area of each *7.07* if fitted with easing gear *Yes*
if steam from main boilers can enter the donkey boiler *no*
diameter of donkey boiler *4' 0"* length *14' 0"*
description of rivetting *Lap Joint*
longl. seam *Double Riv* cir. seam *Single Riv*
Thickness of shell plates *5/32"* diameter of rivet holes *7/8"*
whether punched or drilled *drilled* pitch of rivets *3"*
lap of plating *12"* per centage of strength of joint *90.2%*
thickness of crown plates *3/32"* stayed by *Hemispherical*
Diameter of furnace: top *3' 1" rad* bottom *6' 2" dia*
length of furnace *4* thickness of plates *1 1/4 32"*
description of joint *Single riveted Lap*
Thickness of furnace crown plates *1 1/4 32"*
stayed by *Hemispherical* shape
working pressure of shell by rules *84.4*
Working pressure of furnace by rules *80.4*
diameter of uptake *2' 4"* thickness of plates *1*
thickness of water tubes *1*
Rating and remarks of Steam
Lulus. *None*

Lloyd's Register of British & Foreign Shipping.

Telegraphic Address:
"REGISTER, LIVERPOOL"

12, Grief Chambers.

Liverpool, 3rd Feb 1890

The Surveys.

Sunderland

Dear Sir

On the other side please find
particulars of *Donkey* Boiler
manufactured by *Messrs Cochran & Co*
of *Brookland* and intended
for the *St. Mary's* building
by *W. Dwyer & Sons* No 193

I am, dear Sir

Your obedient Servant,



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