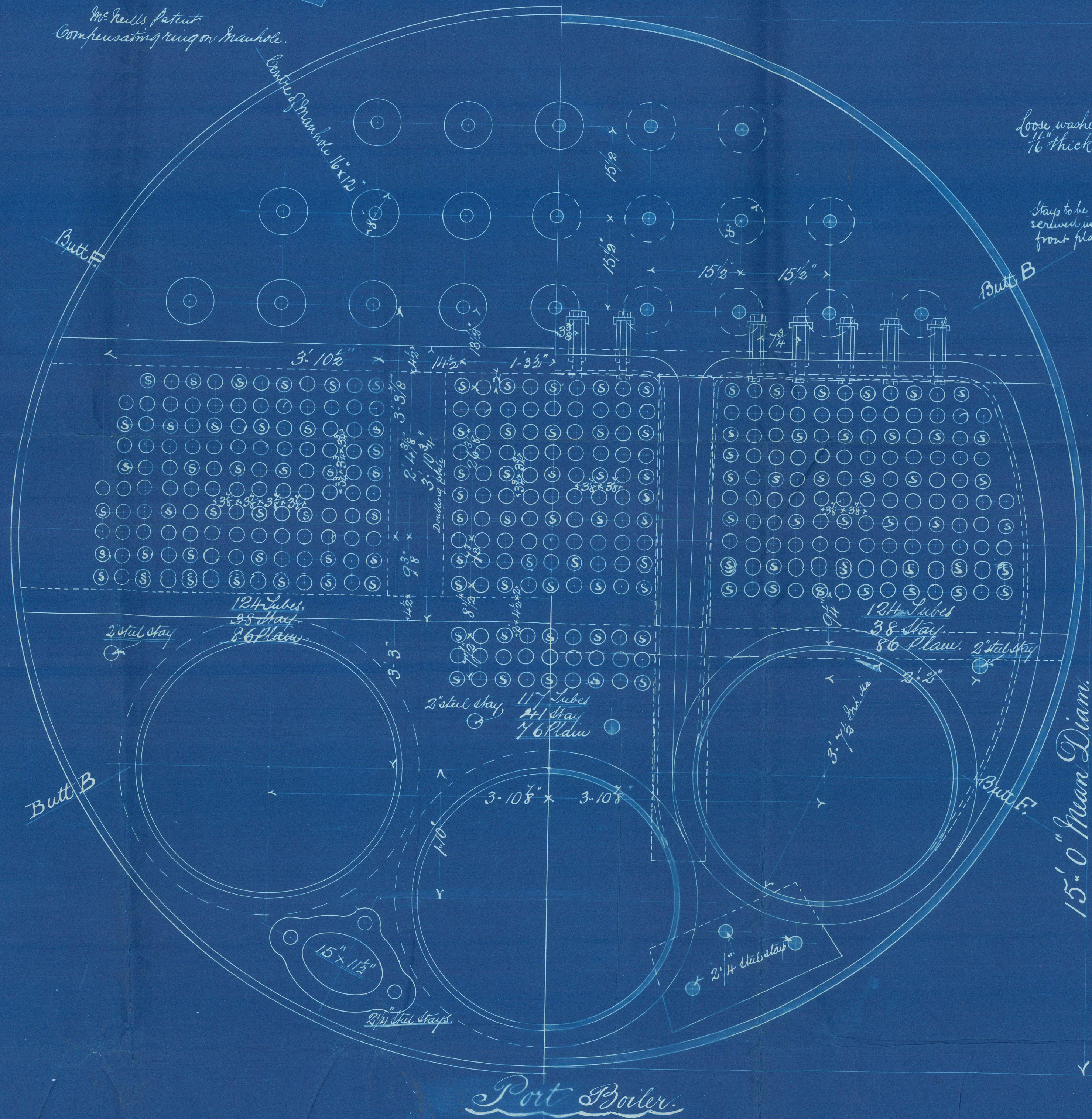


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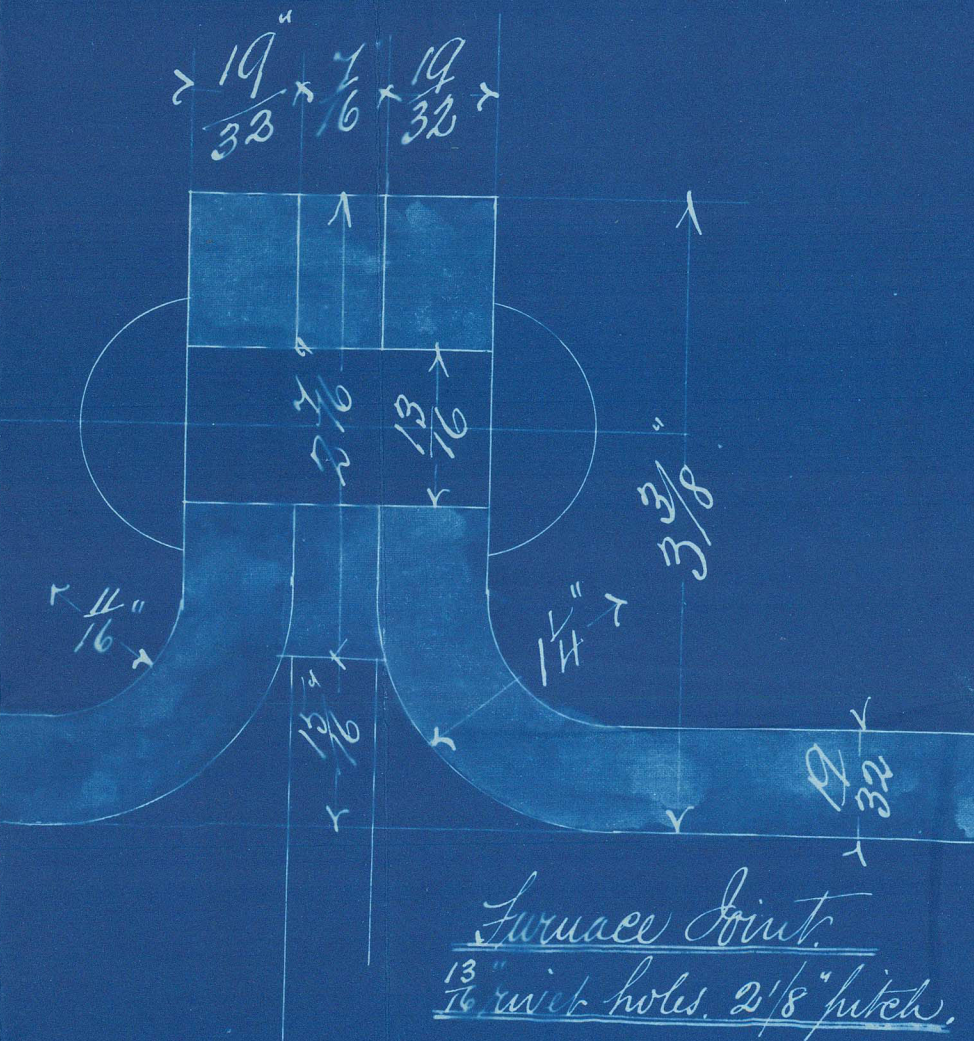
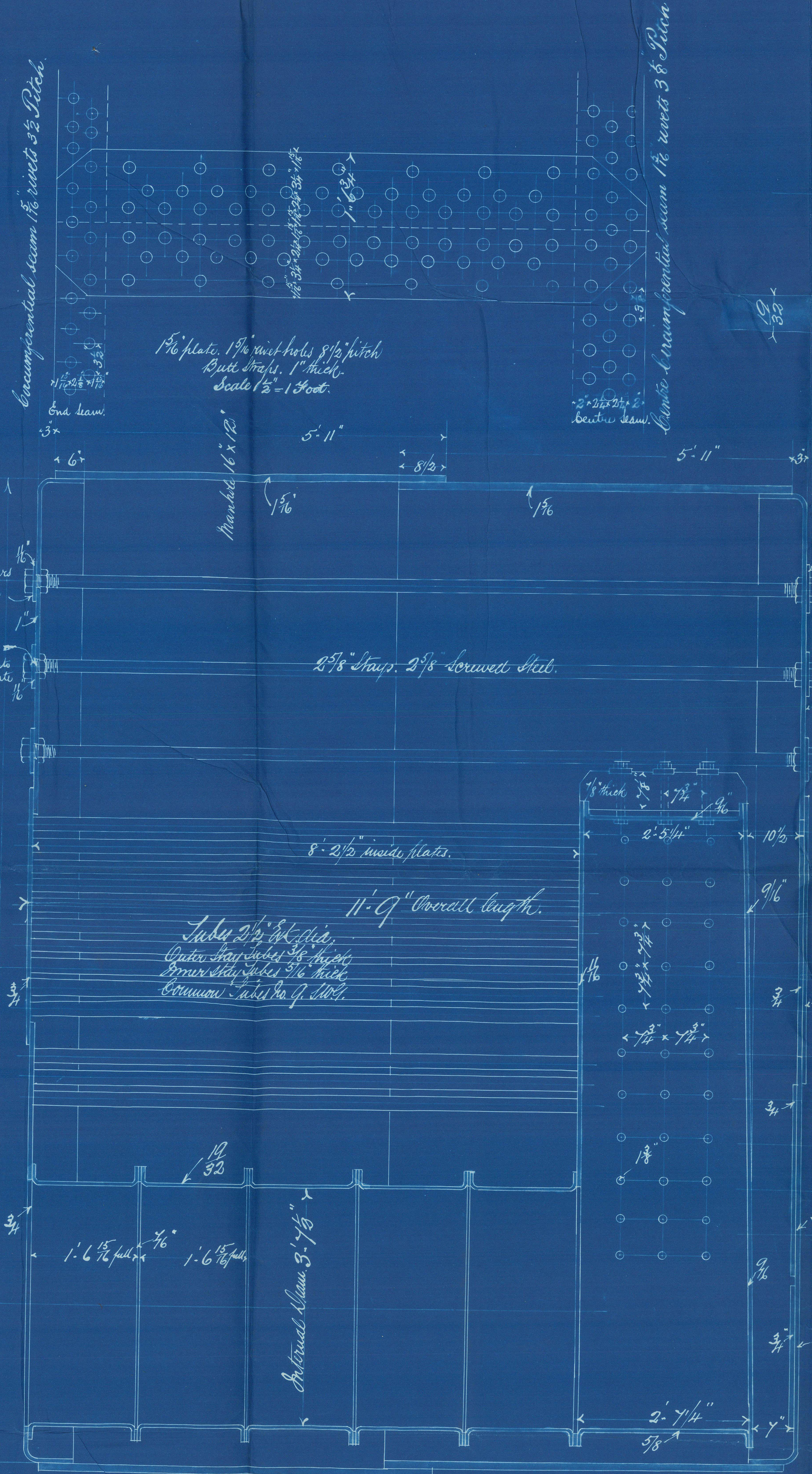
No. 100 Patent
Compensating Ring or Headplate.



Port Boiler.

11th April 1890

Engines No. 176.
Boilers No. 4478
S.S. Duke of Sutherland.
Scale 1" = 1' - Dwg. No. 4061 - 11th April 1890



Heating Surface.	1 Boiler.
Tubes	1760
Furnaces	150
Back Tube ft.	38
Comb. Cham. Rk.	66
Comb. Cham. ft.	124
Hot. 1 Rk.	2338
Gate Area	50 sq. ft.

2 Boilers
46' 6" sq. ft.

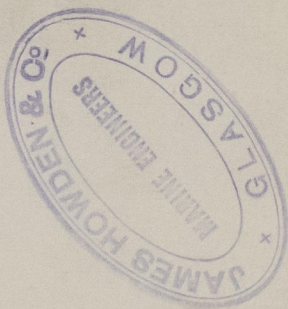


Shell plates calculated to 27 tons.
Stays, space stays, 2 1/2" diam. 2 1/2" screwed steel.
Comb. Cham. stays, 1 1/2" diam. 1 1/2" diam.
and where coloured red 1 1/2" diam. screwed.
steel 10 threads per in. nutted on both ends.
All holes drilled, shell drilled in place.

Working Pres. 160 lbs.

11th April 1890

Bailer
S.S. "Duke of Argyll"
Glasgow Report
No 10574 y.—
? or 10457.



GLS222-0109



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