

Rev. 11:94

This tracing taken from a photo print  
approved by the Owners -

# BOILERS - 2 off -

Scale 1 inch = 1 ft.

## Surfaces

Heating Surface in 1 Boiler =  $3341.294 \text{ sq. ft.} \times 2 = 6682.588 \text{ sq. ft.}$

Grate " " =  $75.0 \text{ sq. ft.} \times 2 = 150.0 \text{ sq. ft.}$

Steam Space " " =  $671.6112 \text{ cu. ft.} \times 2 = 1343.222 \text{ cu. ft.}$

Boiler Shell Steel Working pressure 160 lbs

Longitudinal joints Double butt straps treble riveted holes drilled

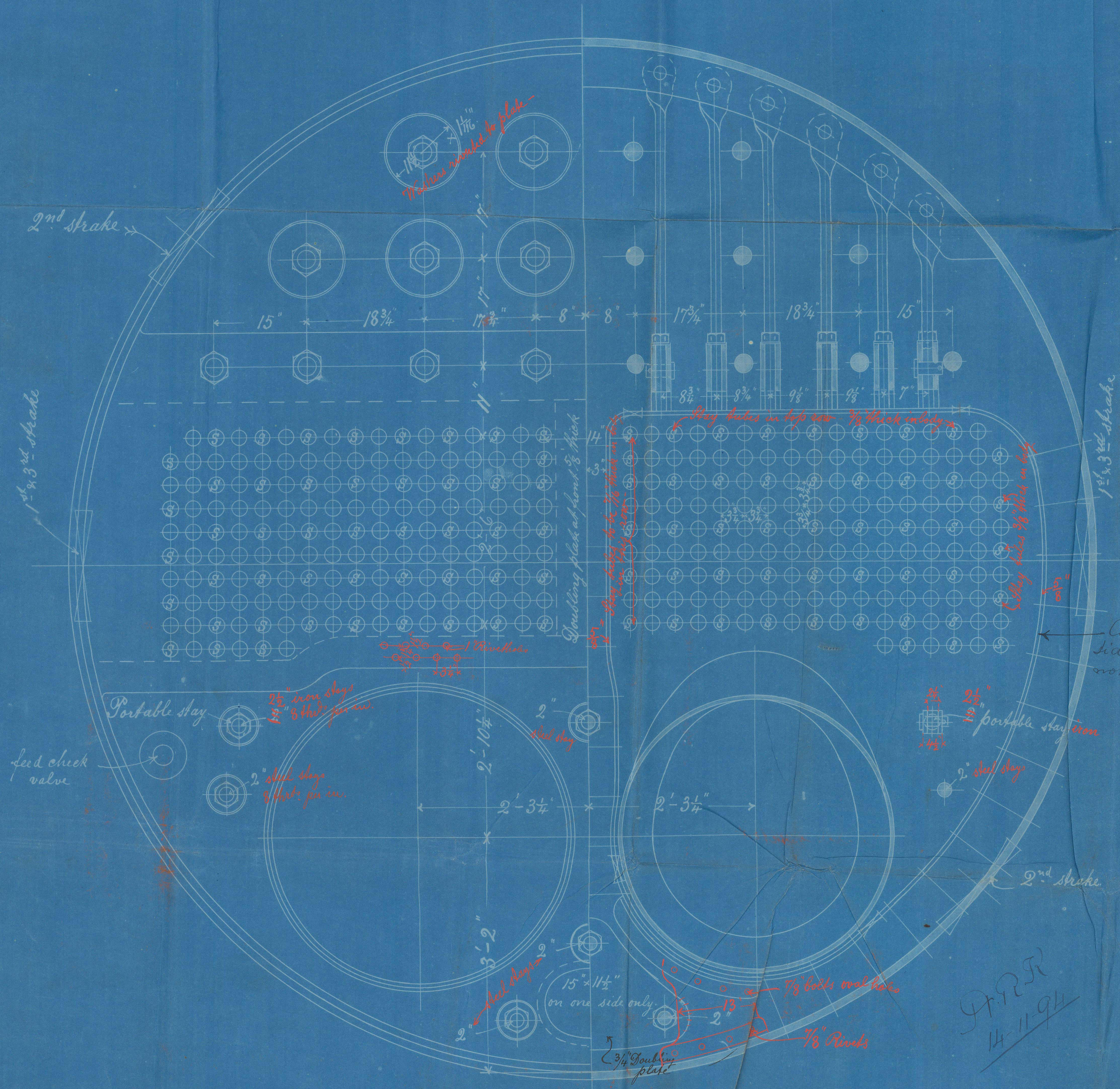
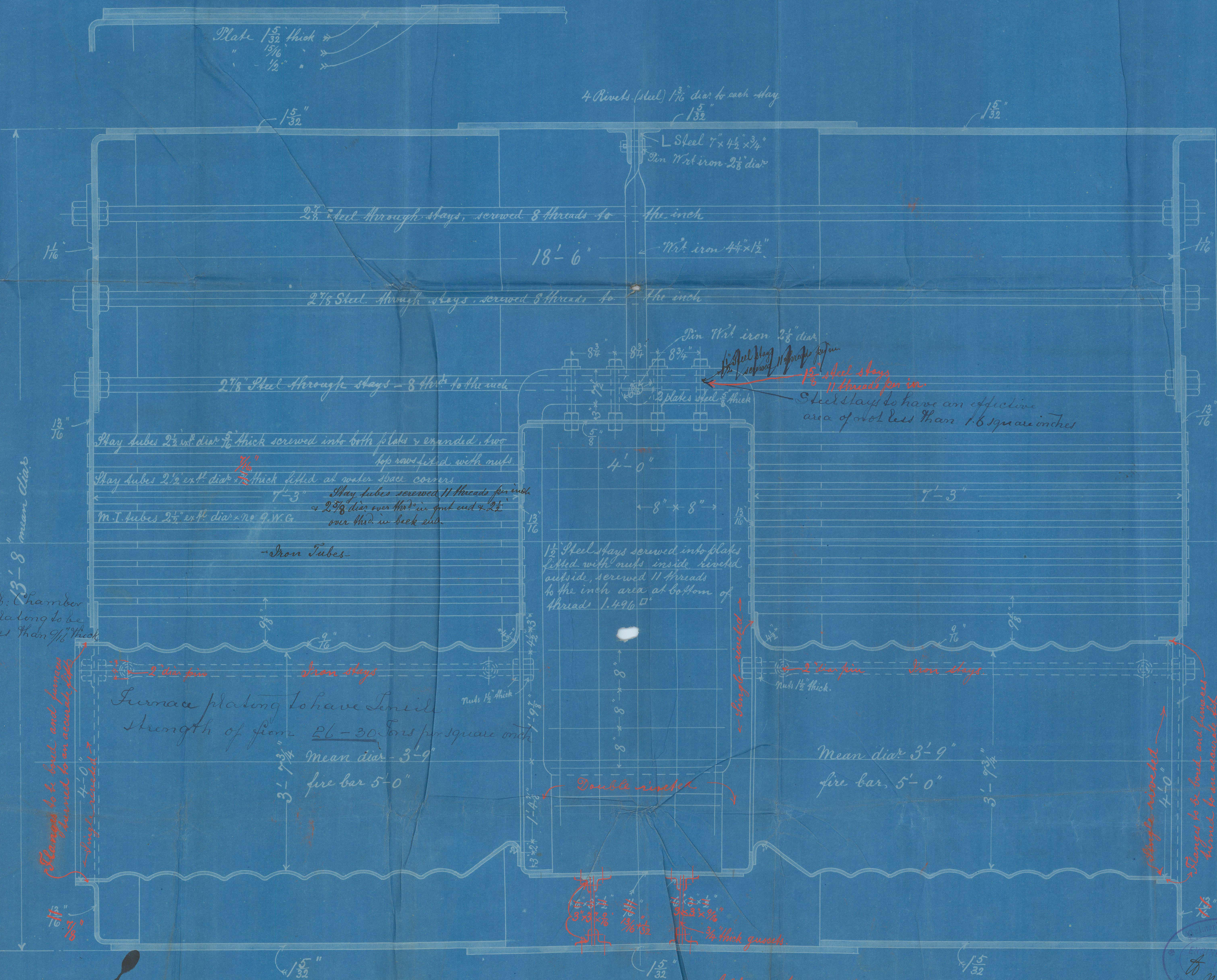
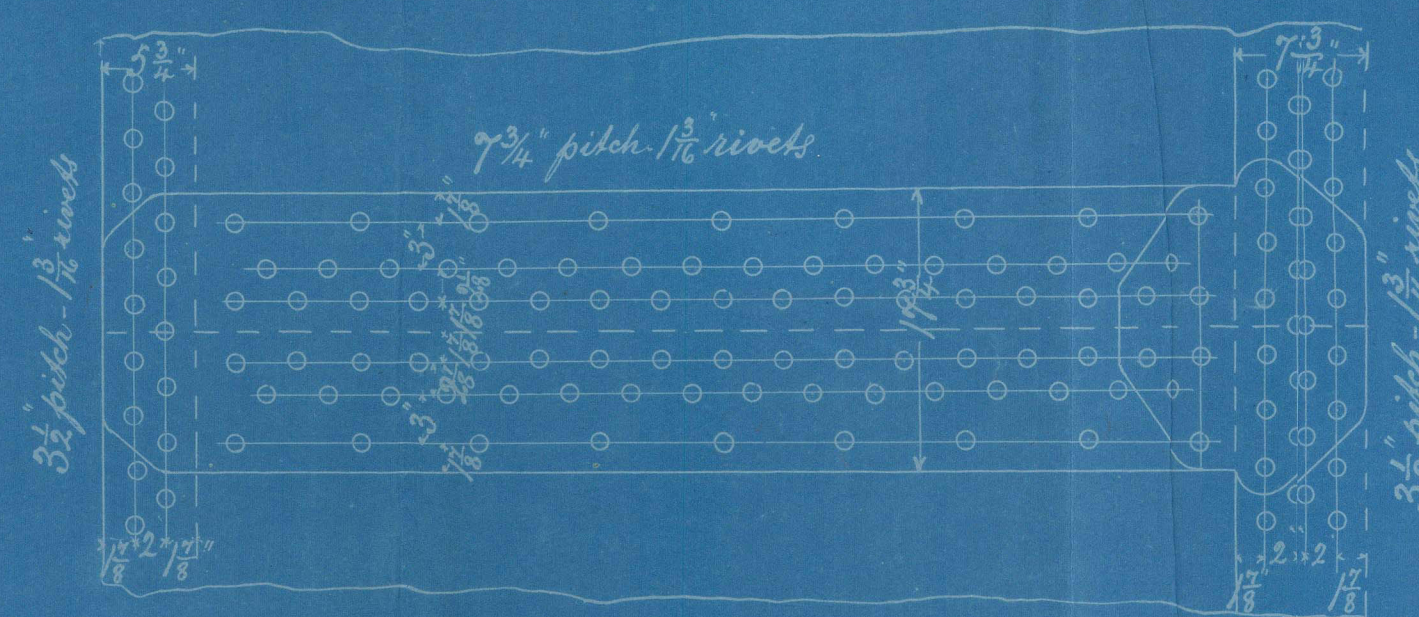
Circumferential joints Lap double & treble riveted in place

Tensile strength of steel 27 tons Factor 4.5

Percentage strength of joint plate section 84.67 % Rivet section 88.8 % B. of T.

Rules Board of Trade & Lloyds -

90.95 % Lloyds



ENGINE NO 599

NO 1145

11 Nov 94

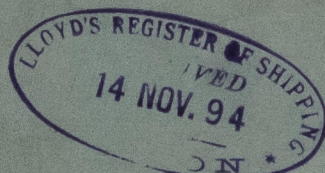


Palmer

8/8 697

599

8/5 "Dorneo" <sup>stop</sup>



N<sup>o</sup> \_\_\_\_\_  
LLOYD'S TEST  
320 lbs.  
17-5-95  
G.L.H.

Dwc Report N<sup>o</sup> 32137

NWC 842-062



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Lloyd's Register  
Foundation