

16168. Irons.

Boiler shell plates $\left\{ \frac{51,520 \times 2T \times C}{2 \times 6.5} = 48 \text{ lbs. working pressure} \right.$

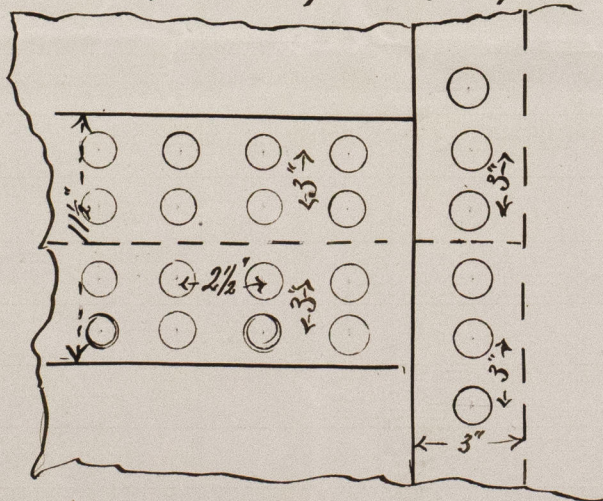
Furnace plates. $\left\{ \frac{89,600 \times T^2}{L \times D} = 16 \text{ lbs. working pressure} \right.$

Perct^g of strength of plates in joints $\left\{ \frac{(P-d)}{P} \times 100 = 70 \text{ per cent.} \right.$
compared with solid plates.

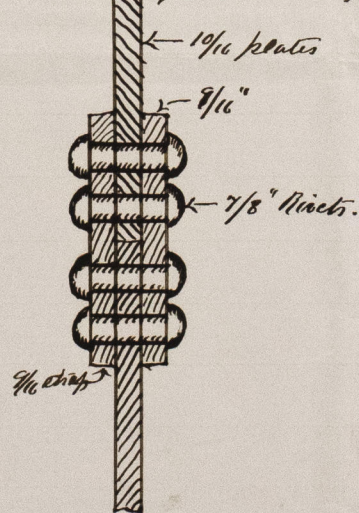
Perct^g of strength of rivets compared $\left\{ \frac{(a \times N) \times 100}{P \times T} = 32 \text{ per cent.} \right.$
with solid plates.

Flat plates between screwed $\left\{ \frac{100 \times T^2}{P^2} = 40 \text{ lbs. working pressure} \right.$
stays.

Sketch of Built Strap.



Sketch of Section of Strap.



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IRON 466-0027