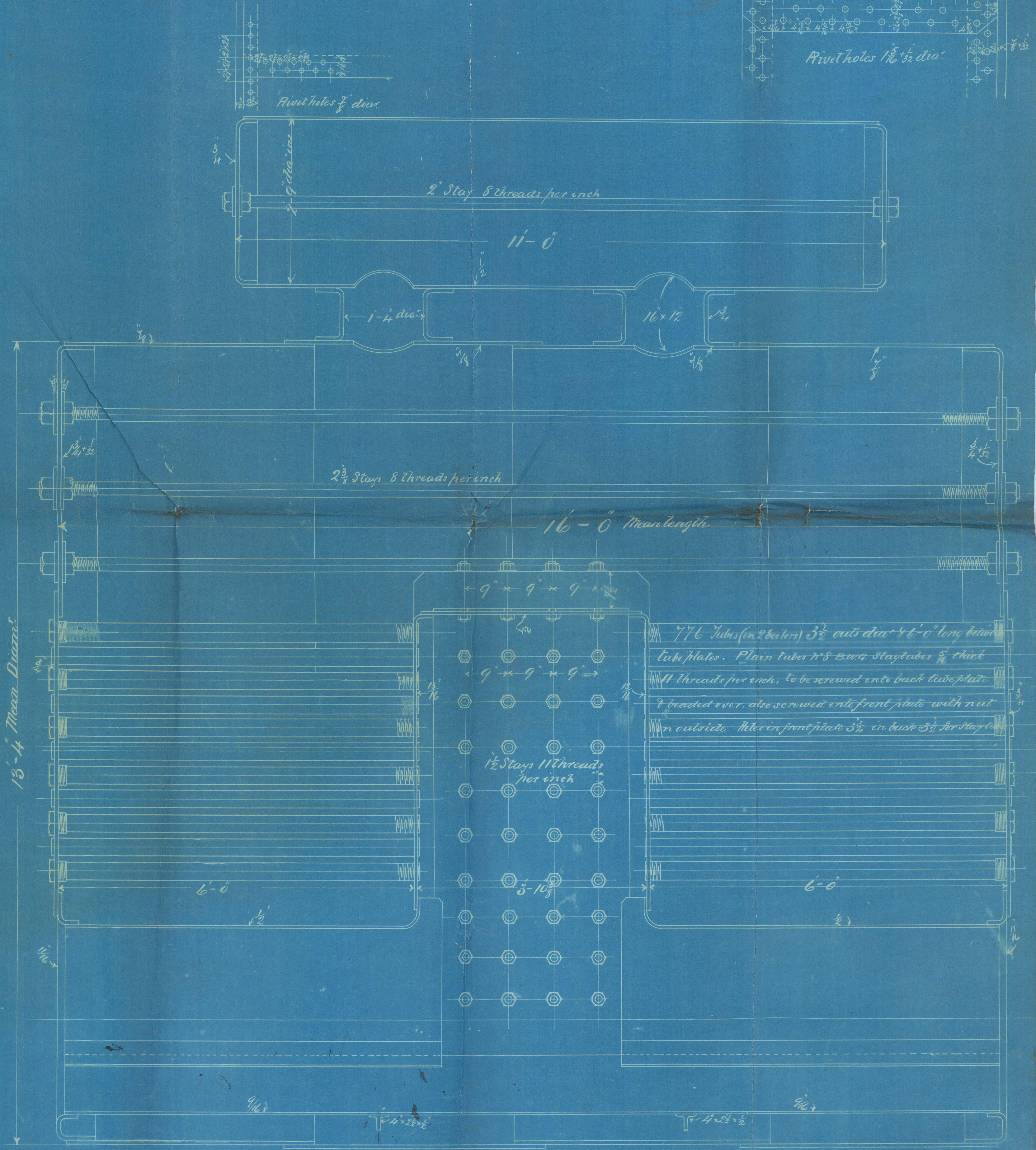
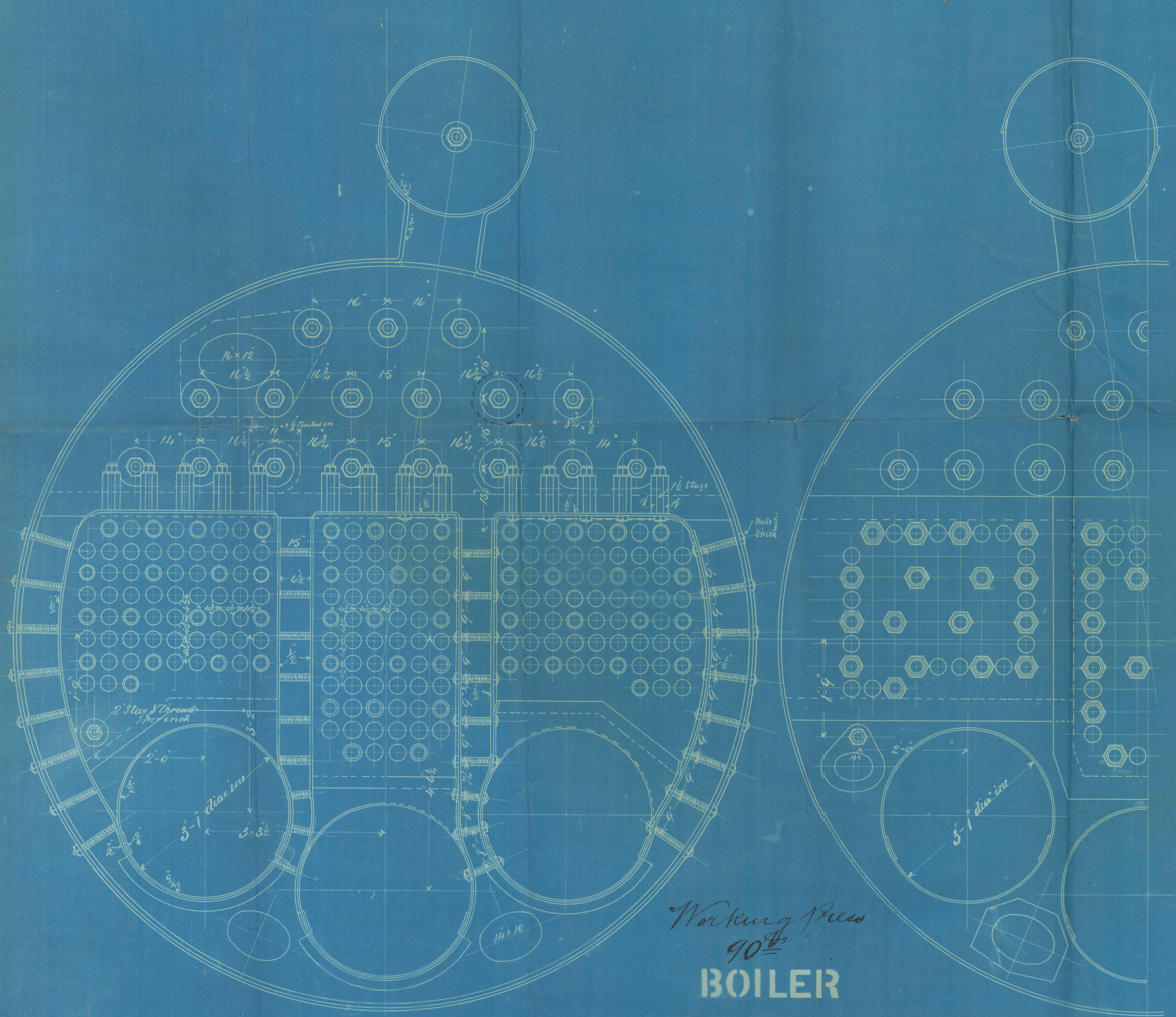
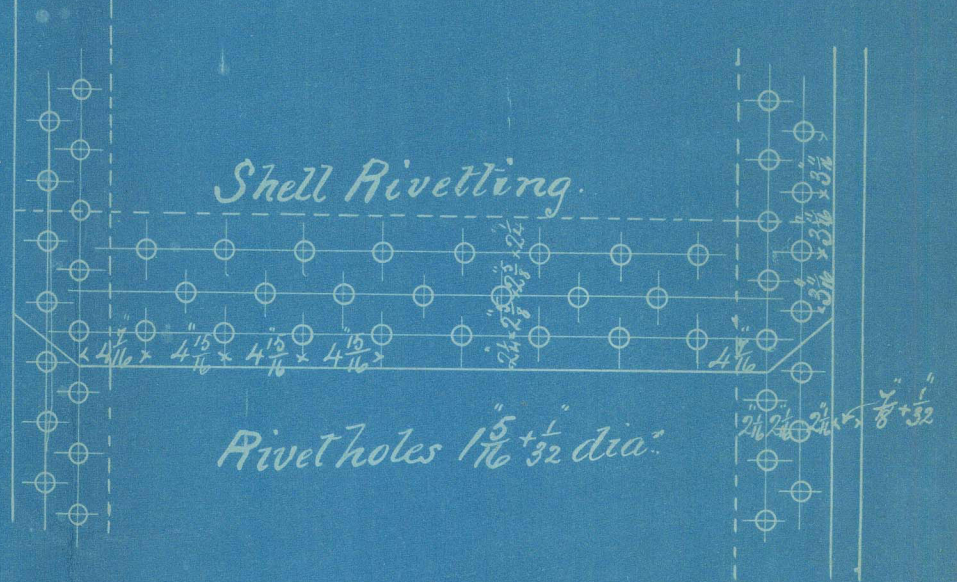


W. H. R. 1/2 1/2 1/2

*Conditions of Construction*

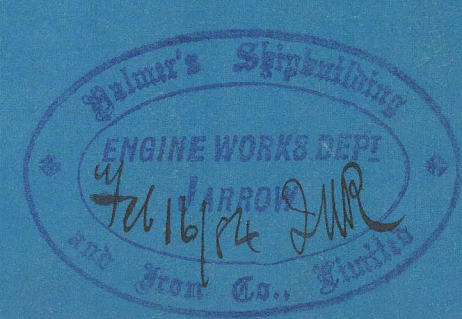
Longitudinal seams double riveted lap joints holes to be drilled in place after bending the plates then taken apart the burr taken off & the holes slightly countersunk from the inside. Circumferential seams double riveted lap joints holes drilled in outer course (all 1/2" less in dia. than finished size) before bending holes in inner course drilled in place after bending plates then taken apart the burr taken off the holes.

Board of Trade		Lloyds	
Tensile strength of steel plate	28 tons	Constant used for shell	240
Factor of safety	5.5	" " " long stays	150
Constant used for long stays	125	" " " short	120
" " " short	100	" " " staybolts	120
" " " Furnaces	99000	Percentage of strength at joint - plates	72.5%
Percentage of strength at joint - plate	72.5%	" " " rivet (1/2" dia)	83.8%
" " " rivet	81.1%	" " " plate	69.5
		" " " rivet	61.8



**ENGINES N° 453**

All parts of Boiler & Receiver of Steel  
except Stays & Tubes



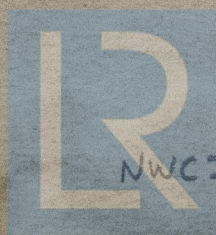
**N° 6316**



Palmer S. S. 538-

S.S. "Elderslie"

hwc. Report No. 17675-



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