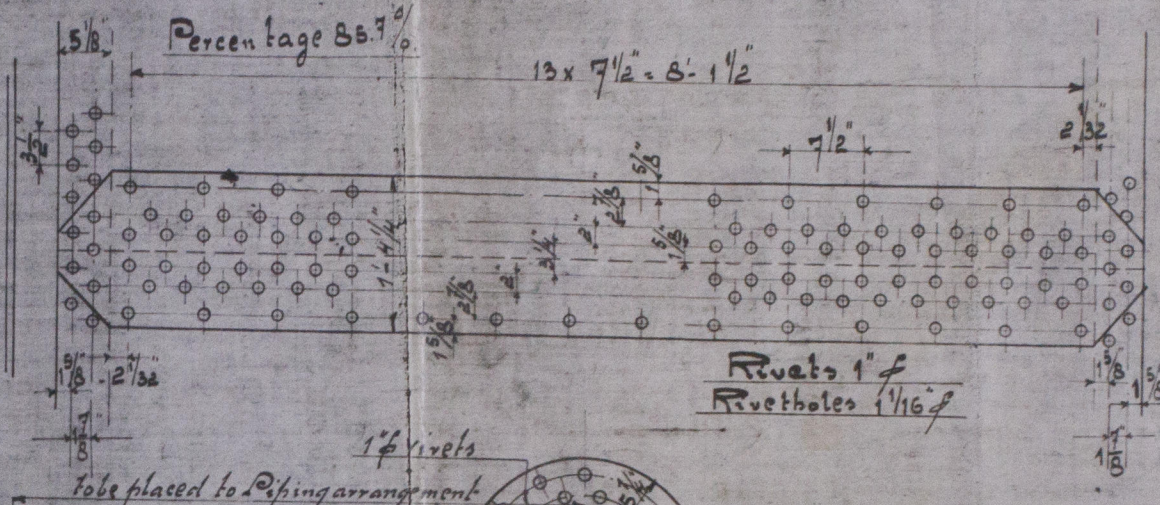


BOILERS 226-227 W.P 180 LBS. " WITH LLOYDS TEST
228-229 " " " " " " " "

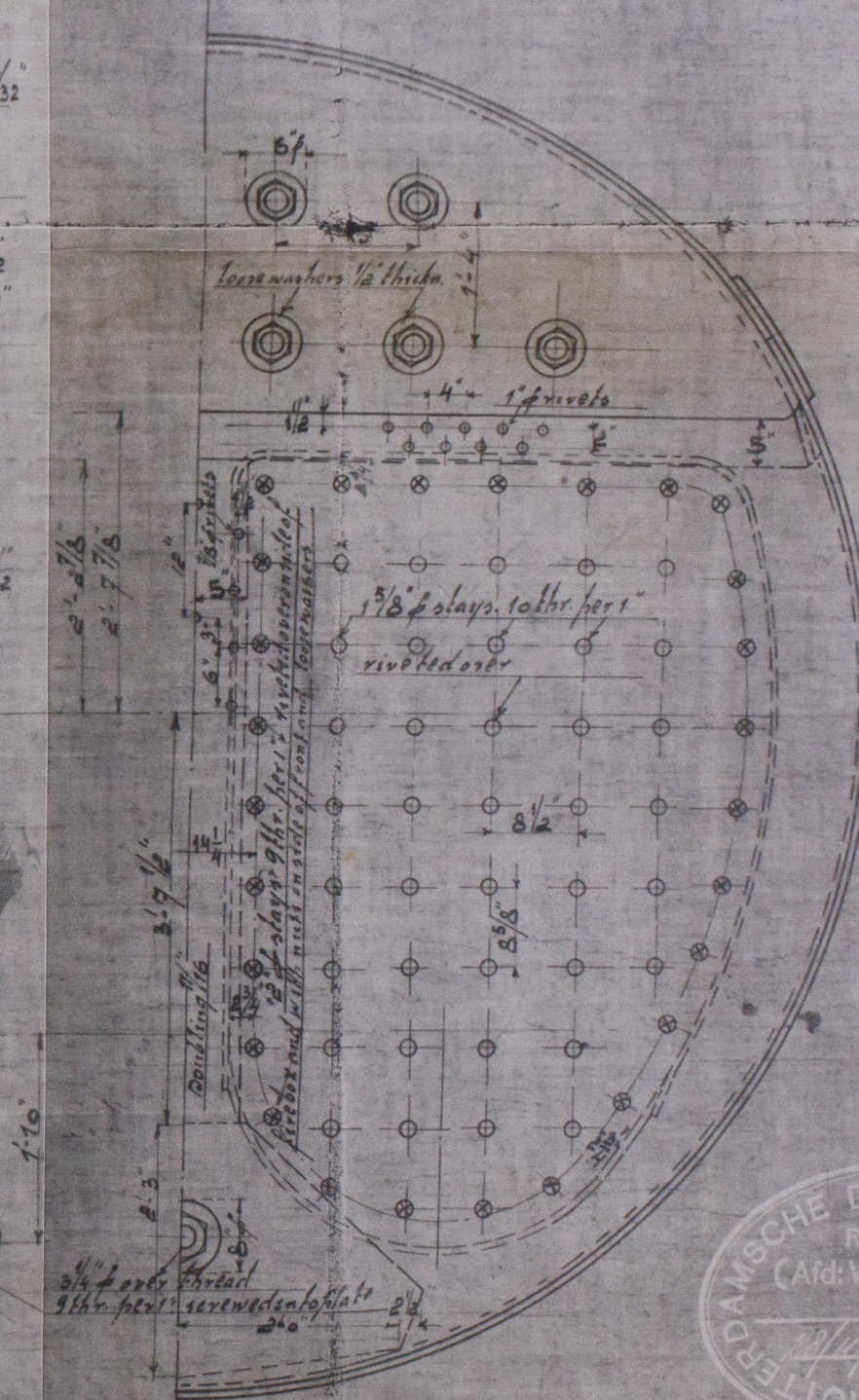
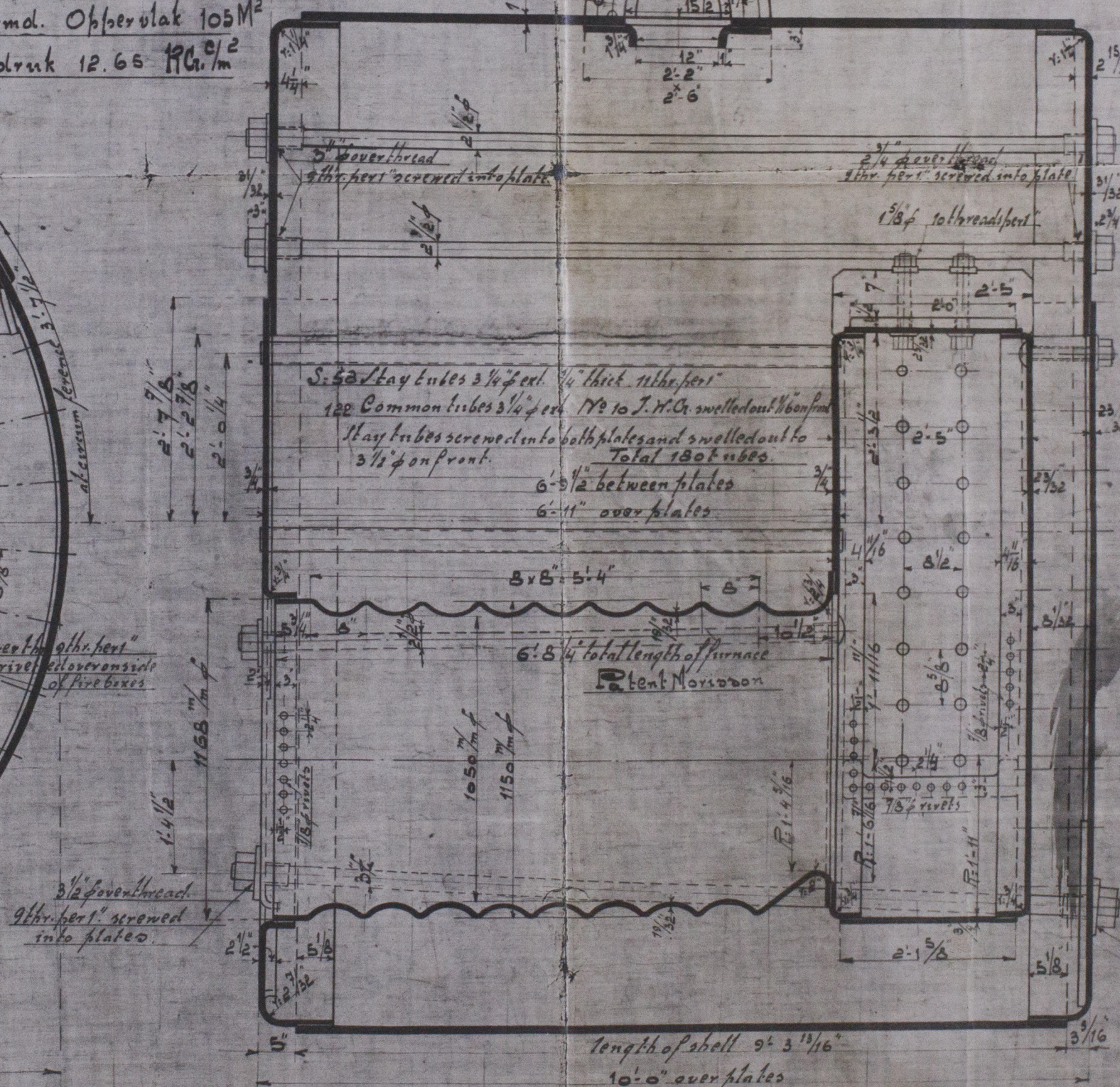
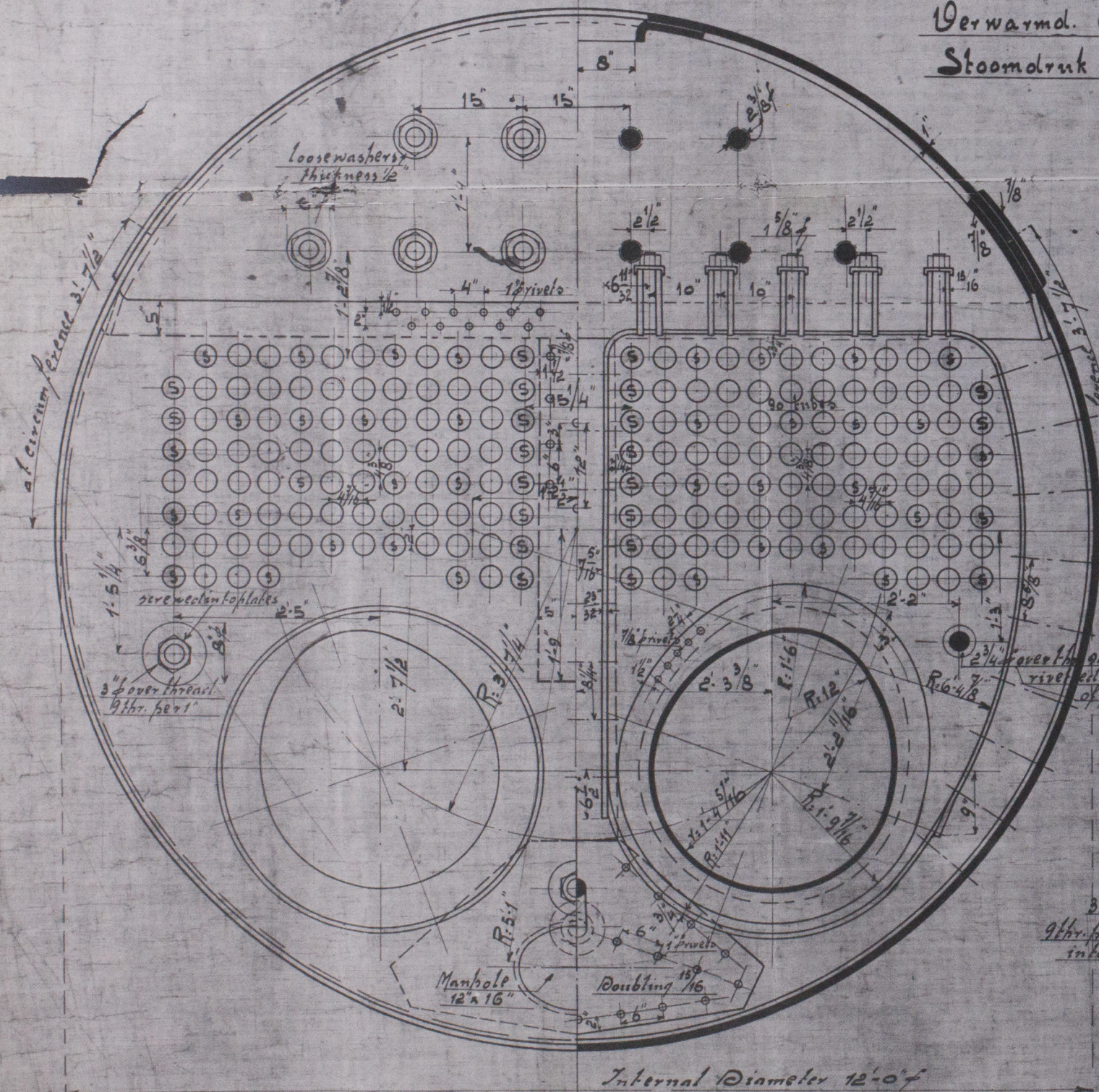
SCALE : 1" = 1'-0"

Thickness of Plates	
Shell Plate	1"
Butt straps	$\frac{7}{8}$
Top Front	$\frac{3}{16}$
Top Back	$\frac{3}{16}$
Front Tube plate	$\frac{3}{4}$ "
Back Tube plate	$\frac{3}{4}$ "
Bottom Back plate	$\frac{23}{32}$
Top of fire boxes	$\frac{23}{32}$
Back of fire boxes	$\frac{23}{32}$
Bottom of "	$\frac{3}{4}$ "
Doubling plates	$\frac{1}{16}$ & $\frac{15}{16}$
Girdlers	$\frac{15}{16}$
Furnaces	$\frac{19}{32}$

Ratio's and Dimensions	
180 Tubes $3\frac{1}{4}$ " ϕ nts. 6" rivet plates	1058 sq.
2 Furnaces	88 sq.
2 Fire boxes	118 sq.
Total heating surface in sq. feet.	1264 sq.
Grate $2 \times 3 \times 3\frac{1}{2} \times 5 \times 6$	37.5 sq.
Water surface by 8" ϕ nts of firebox	99 sq.
Steam space	198 cu. ft.
Area thro' tubes	8,414 sq. ft.
Ratio grate to heating surface	1 : 33.3
" " " firebox "	1 : 27.9
" " " water "	1 : 2.6
" " " area thro' tubes	1 : 0.222
Ratio heating surf. to tube surf.	1 : 0.835
Weight of Boiler (Bare)	
" " water in Boiler in 180° 2 15 Ton	



Verwarmend. Oppervlak 117.5 M^2
 Verwarmd. Oppervlak 105 M^2
 Stoomdruk 12.65 kg./cm^2



Tensile Strength			
Shell man hole	28-32	Ton's " "	with 20% elongation on 8" length
Butt. plates	28-32	" "	" 20% " 8"
End plates	26-30	" "	" 23% " 8"
Combustion Chamber plates	26-30	" "	" 23% " 8"
Furnaces	22.8-26.6	" "	" 25% " 8"
Grinders plates	28-32	" "	" 20% " 8"
Longitudinal stays	28-32	" "	" 20% " 8"
Combust Chamber stays	26-30	" "	" 23% " 8"
Rivets	26-30	" "	" 25% " 8"

Foundation

W1032-0261

Boiles

"GRANNY SUZANNE" ★

RECOR. S. I. T.
LO. DON

7

Buy 25743.



© 2020

Lloyd's Register
Foundation