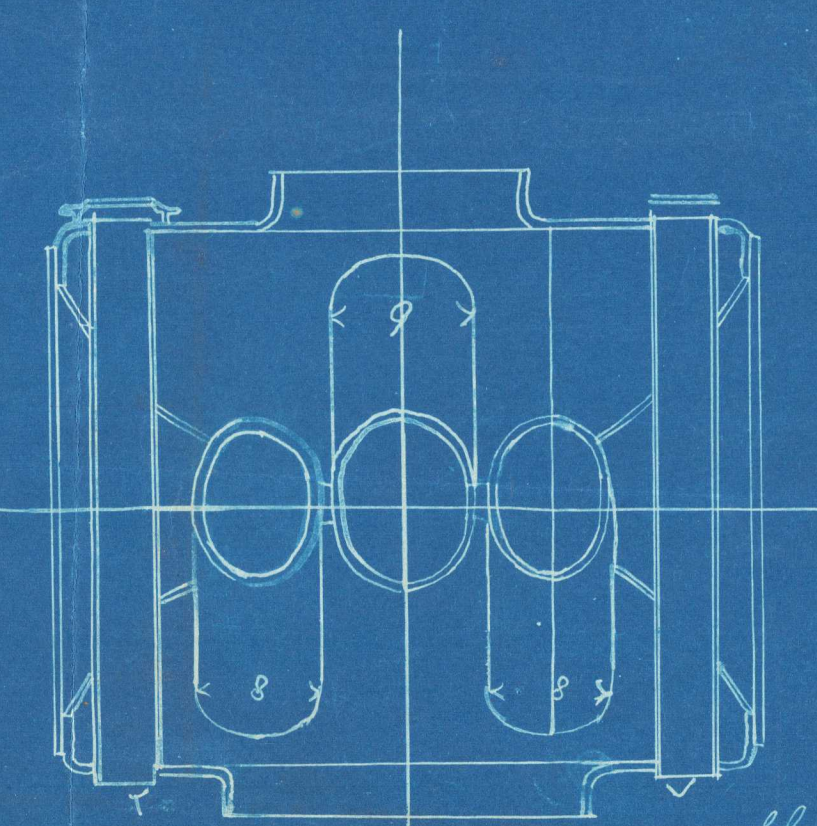
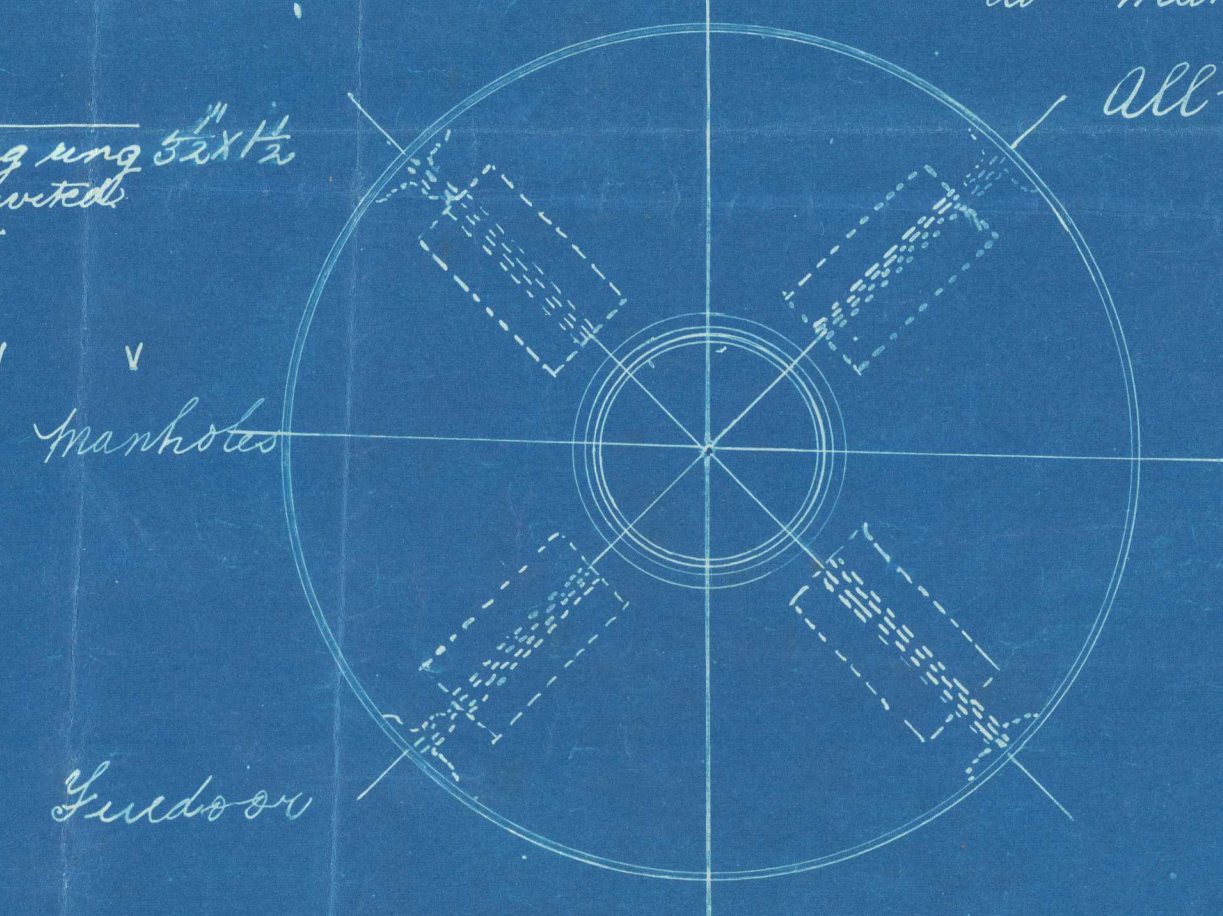


10-0 shell height

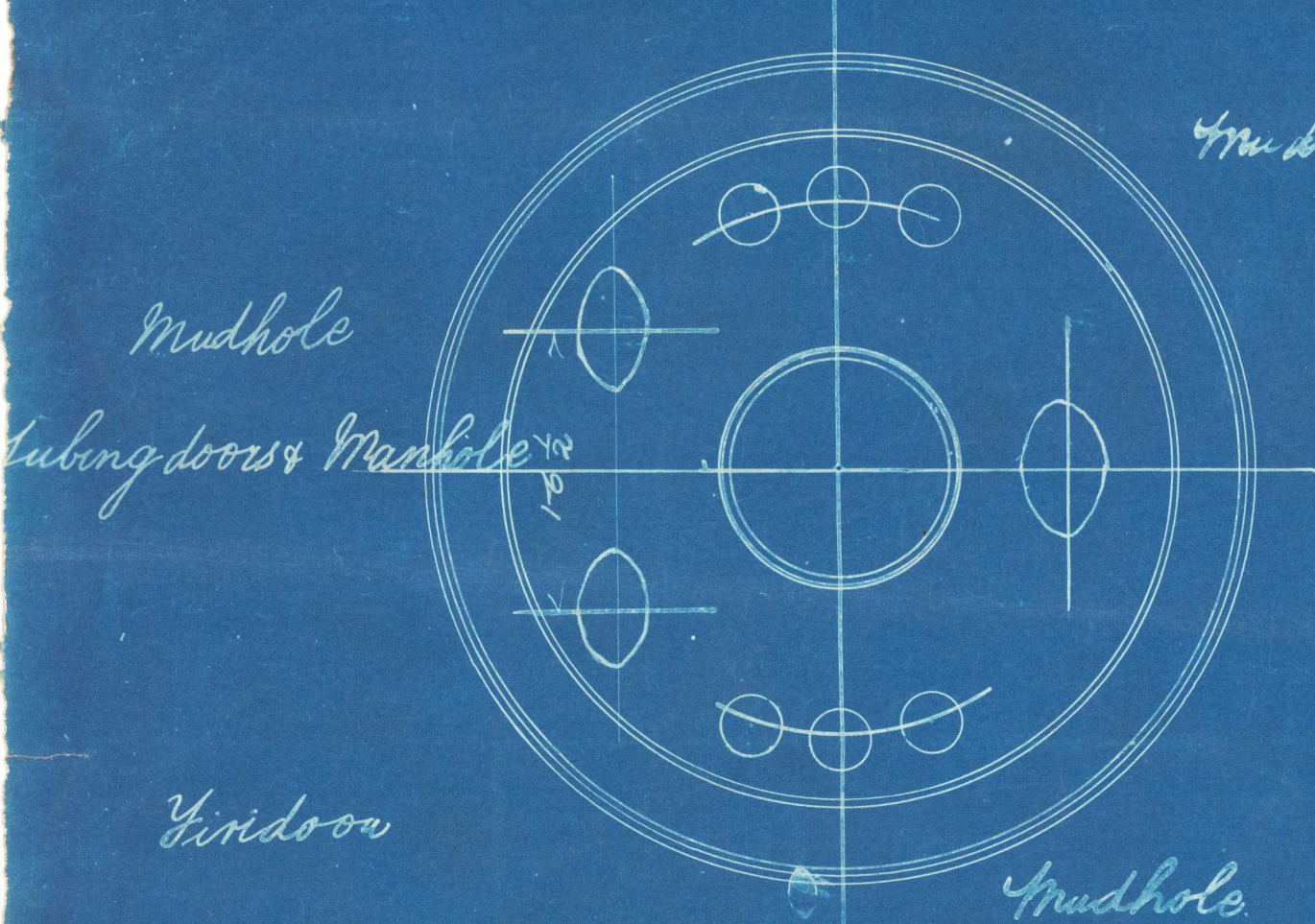


6 Tubes 4" outside dia x $1\frac{1}{2}$ " thick
swelled $\frac{1}{4}$ " at top ends

Shell + Firebox John Spencer + Sons Sumner
Cross tubes + Uptake Shropshire B. B. B Iron
Rivets The Steel Coy of Scotland's Mild Steel
-do- Maker James Miller + Coy Glasgow
All holes drilled in position



10/3/93



Boiler No 24312
Type Patent Vertical Tubular Boiler 10-0 x $4\frac{1}{2}$ -6" diam.
For The Type S. & Coy's Warkworth
Working Pressure 90 lbs per sqr inch
Testing Pressure 105 lbs per sqr inch
Scale 1" = 1 Foot

Long seams of shell double riveted $\frac{3}{4}$ " holes $2\frac{1}{2}$ " pitch $3\frac{9}{16}$ " lap $1\frac{3}{4}$ " dia
Circumf. seams of shell single riveted $\frac{3}{8}$ " holes $1\frac{3}{4}$ " pitch 2" lap
Firebox seams single riveted $\frac{1}{16}$ " holes $1\frac{1}{16}$ " pitch $2\frac{1}{16}$ " lap
Diagonal Tube ends single riveted $\frac{1}{16}$ " holes $1\frac{3}{4}$ " pitch 2 lap boned heads flush riveted