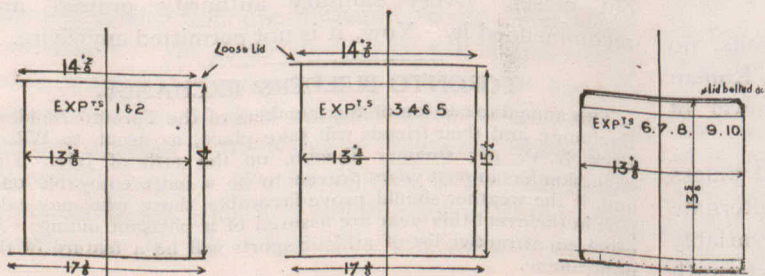
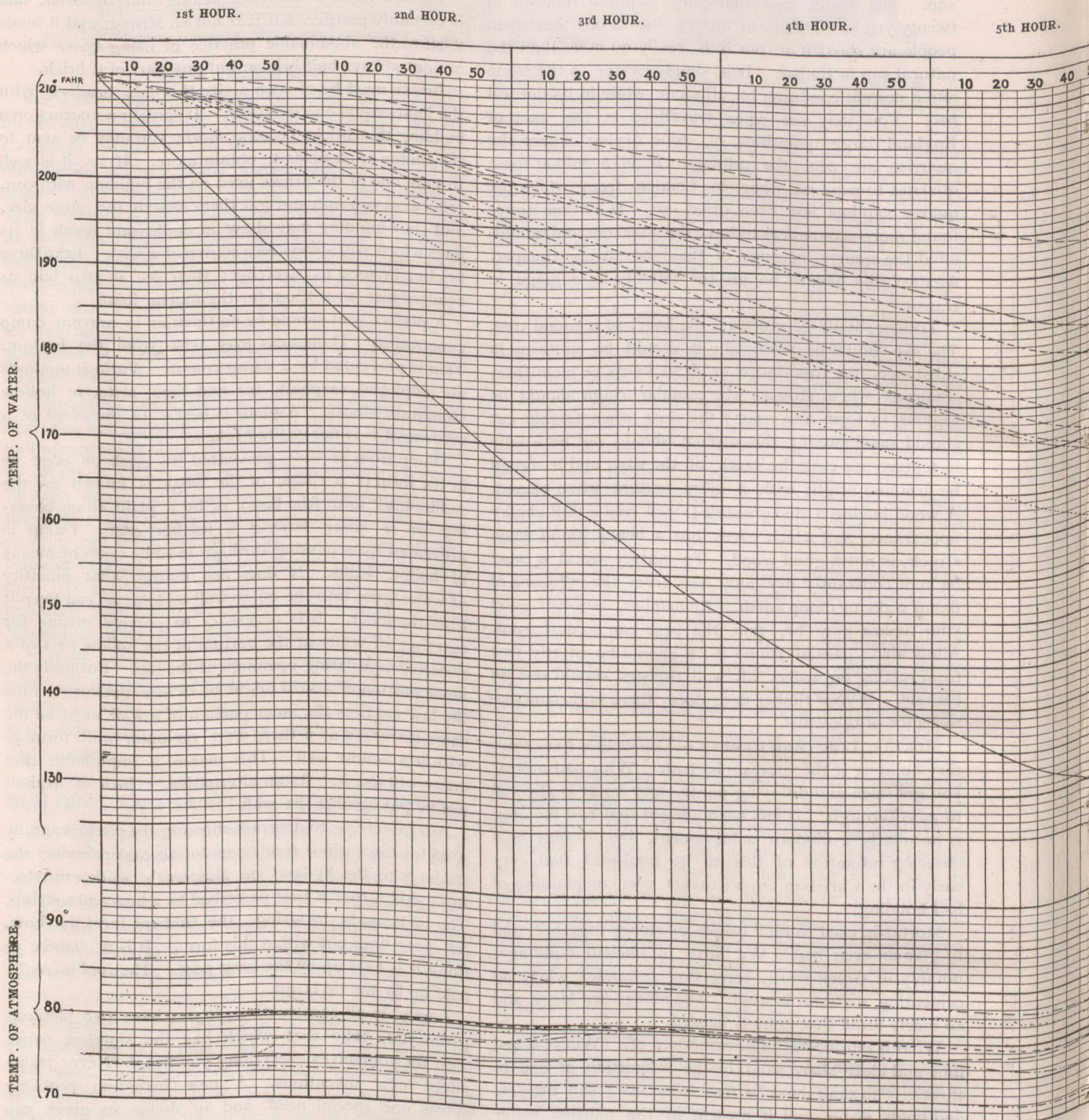


CANADIAN PACIFIC RAILWAY

MECHANICAL DEPARTMENT

DIAGRAM OF EXPERIMENTS WITH BOILER COVERINGS.

(Reproduced from Canadian Pacific Railway Company's Chart.)



The order in which the experiments were made, and the materials tested were as follows:—

- 1st Expt. Tank uncovered.....
- 2nd " " with air-s, acs of $\frac{7}{8}$ in. next tank, wood lagging $\frac{7}{8}$ in. thick, and outer coat of Russian iron.....
- 3rd " " same as in 2nd Expt., but with Asbestos woven cloth $\frac{3}{4}$ in. thick, inserted in the $\frac{7}{8}$ in. space, and placed next tank.....
- 4th " " covered with Plastic Asbestos Compound, and outer coat Russian iron Comp. $1\frac{1}{2}$ in. thick.....
- 5th " " covered with Sectional Magnesia Blocks, and outer coat Russian iron Comp. $1\frac{1}{2}$ in. thick.....