

L. R. COMSTOCK.

Car Heater.

No. 89,027.

Patented April 20, 1869.

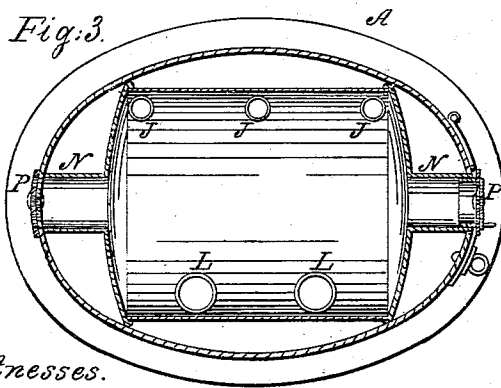
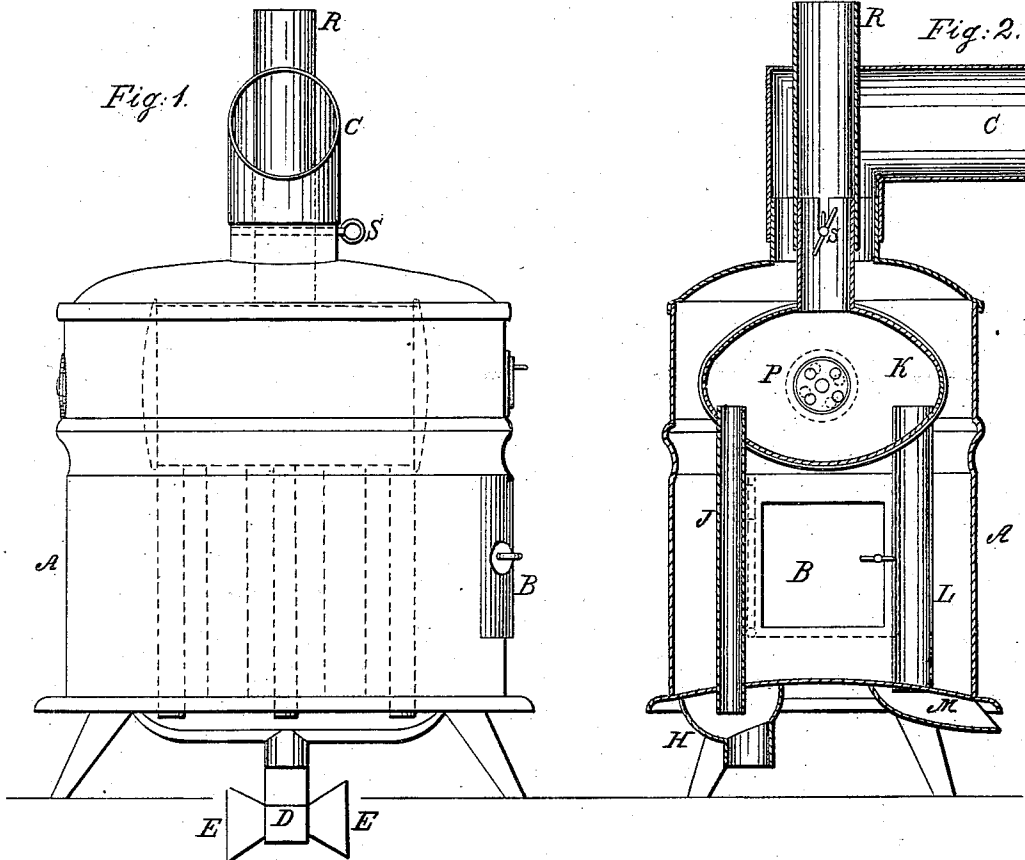


Fig. 4.

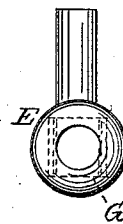
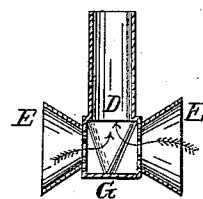


Fig. 5.



Witnesses.

Ed. Mayhew
Thomas Cummings

Inventor.

Levi R. Comstock
By his Atty J. H. Peigard



LEVI R. COMSTOCK, OF KEOKUK, IOWA.

Letters Patent No. 89,027, dated April 20, 1869.

RAILROAD-CAR STOVE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, LEVI R. COMSTOCK, of Keokuk, county of Lee, and State of Iowa, have invented an Improved Stove; and I hereby declare the following to be an exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 represents a side elevation of the stove.

Figure 2 represents a vertical section of the same.

Figure 3 represents the reservoir and heater near the top and inside of the stove.

Figure 4 is a front view of the funnel-shaped draught-box, as attached to the under side of the stove.

Figure 5 is a side view of the same.

The nature of my invention consists in the construction of the square box, with funnel draught ends at the bottom of the stove, and hingeless damper, or valve, in the centre of the box, and connected with the cold-air chamber, that has three upright pipes attached, that pass up into a hot-air chamber above, from which hot-air chamber two or more pipes, on the opposite side of the stove, convey the air down again to the bottom of the stove, and discharge the purified air into the room. Also, pipes leading out from each end of the reservoir into the room. Also, a pipe from the top of the reservoir, leading to a chamber above, and thus purified air is discharged at either end of the stove, or at the bottom, or conducted to a chamber above, directly from the reservoir or hot-air chamber.

A represents the sides of the stove, of an oval-shape, with fire-door B in front, and smoke-pipe C at top.

D is the square draught-box, at the bottom of the stove, with funnel-shaped ends E E, and having in the centre of the box a square hingeless-valve, G, to increase the draught at either end as it is conducted up into the cold-air chamber H.

Three or more upright pipes, J, lead from the chamber H, and conduct the air to the hot-air chamber K above. The air, then heated, passes down at the opposite side (and inside) of the stove, through two or more vertical pipes, L, and is discharged at the bottom of the stove at aperture M.

The hot-air chamber K is of an oblong shape, and has pipes, N, at each end, and attached to each end of the stove A, with revolving dampers P, to allow the heated air to pass into the room.

R is the top pipe, with a damper, S, that conducts the hot air from the chamber K to an upper room.

What I claim as my invention, and desire to secure by Letters Patent, is—

The construction of the oval-shaped stove A, with the draught-box D, cold-air chamber H, cold-air pipes J, hot-air chamber K, heated-air pipes L, N, and R, when arranged and combined as herein described, and for the purpose set forth.

LEVI R. COMSTOCK.

Witnesses:

OREN BALDWIN,
R. M. CHENY.