G. PERKINS.

Cooking Stove.

No. 68,898. Patented Sept. 17, 1867.

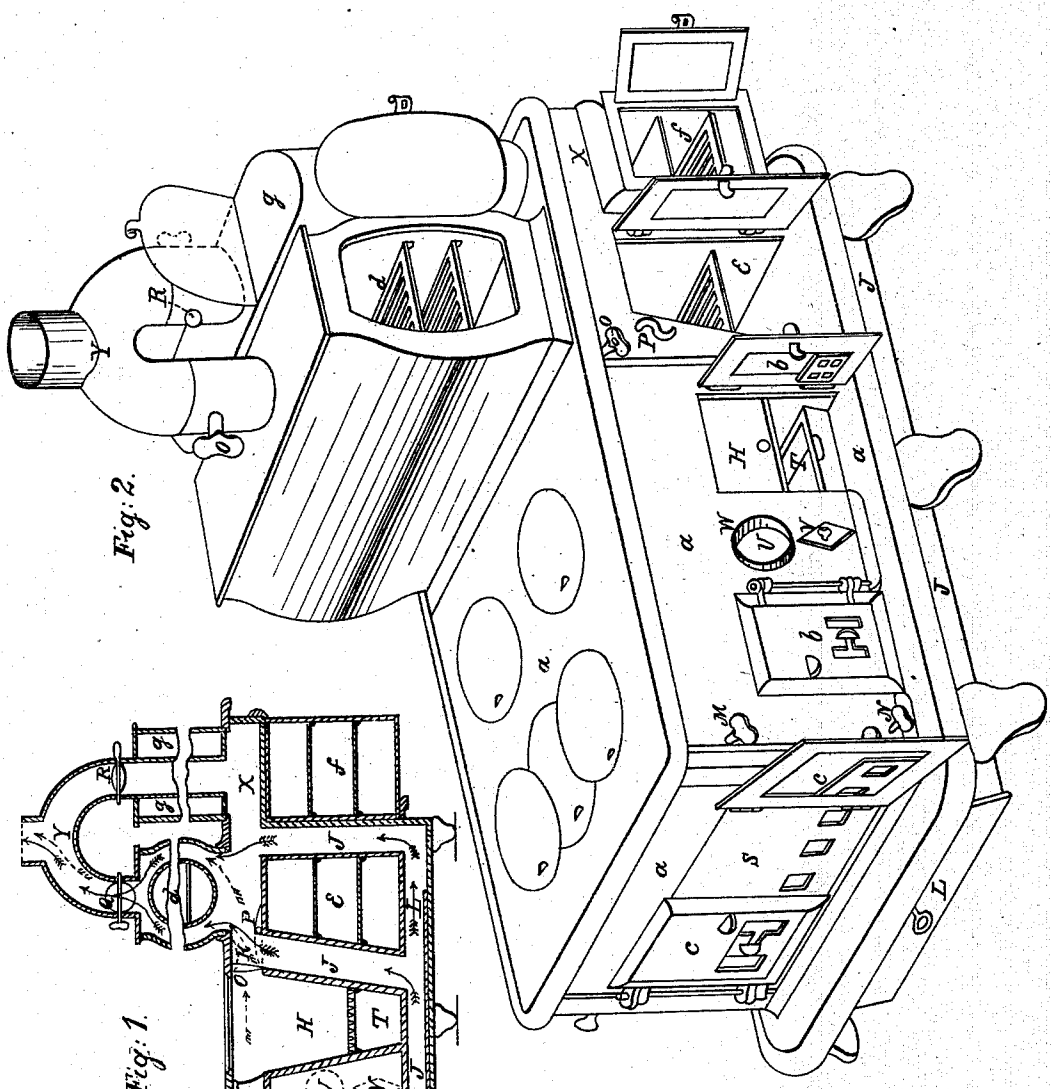

Fig. 2.

Fig. 1.

Witnesses;
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Inventor;
Gustavus Perkins.

United States Patent Office.

GUSTAVUS PERKINS, OF BURLINGTON, VERMONT.

Letters Patent No. 68,898, *dated September* 17, 1867.

IMPROVEMENT IN COOKING-STOVES.

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, GUSTAVUS PERKINS, of the city of Burlington, in the county of Chittenden, and State of Vermont, have invented a new and improved Heating and Cooking-Stove; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in constructing a stove with two fire-pots, two cooking and one warming-oven, one of which cooking-ovens is elevated, an elevated boiler, a hot-air chamber, a diving-flue, in connection with the elevated oven and boiler; also a portable soot-pan or flue-cleaner.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct my outside case *a* of cast or other metal, (in any of the known modes,) and attach or hang thereto the side-draught and cleaning-doors *b b*, and front-draught and cleaning-doors *c c;* the ovens *d*, E, and *f*, also boiler *g*, all secured and fastened in the usual manner. The inside I construct with two fire-pots H H, hot-air chamber I, diving-flue J, direct flue K, portable soot-pan or flue-cleaner L, and the dampers M, N, O, P, Q, and R; also the damper-plate S, ash-pits T T, hot-air aperture U, and register V; the fire-pots to be used together or separately, as likewise the ovens and boiler. The hot-air chamber I is to be formed by the bevel of the two fire-pots H H, or otherwise, and for the purpose of heating a separate apartment by means of a pipe attached to the rim W, (perspective,) or to heat the apartment the stove is in by means of the diamond register V. I also construct my stove without the extension X, boiler *g*, and warming-oven *f*, making the stove much smaller and less expensive.

Figure 1 is a vertical longitudinal section in which the direct-draught dampers are shown as being closed, causing the draught to pass down the diving-flue J, back and around the low oven E, up and around the elevated oven *d*, and out through the yoke pipe Y. The direction of this draught is shown by the red arrows. The direct draught is shown by the dotted dampers and arrows in black. I also construct my stove or range with only one fire-pot in connection with the elevated oven, boiler, and diving-flue, all as substantially described in the foregoing specification and for the purposes as set forth.

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

1. The elevated oven *d* and boiler *g*, when arranged as described, in combination with yoke Y, substantially as set forth.

2. The hot-air chamber I, formed by the bevel of the two fire-pots H H, register V, and aperture W, substantially as and for the purpose set forth.

3. The supplementary pan L for cleaning the flues of a cooking-stove, substantially as shown and described.

4. A cooking-stove consisting of fire-pots H H, ovens E, *f*, and *d*, boiler *g* connected with *d* by yoke Y, flue J, dampers M, N, O, P, Q, R, all arranged and combined as herein set forth and described.

GUSTAVUS PERKINS.

Witnesses:

E. C. RYER,

E. B. LEAVITT.