

T. H. SALMON.
Heating-Stoves.

No. 139,618.

Patented June 3, 1873.

Fig. 1.

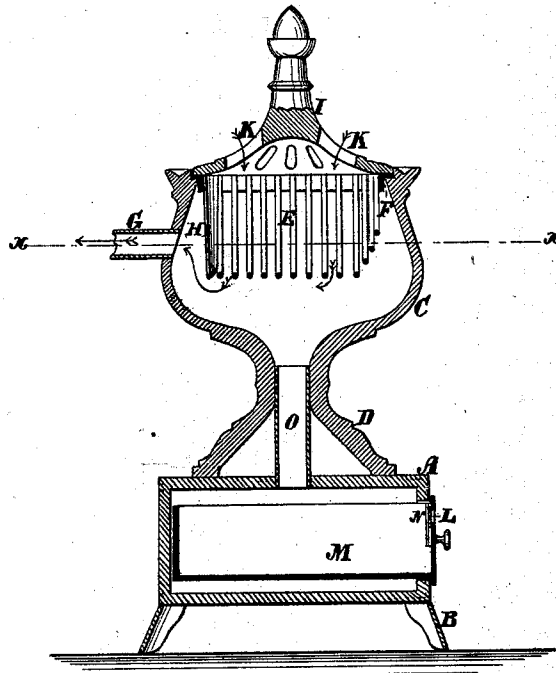


Fig. 2.

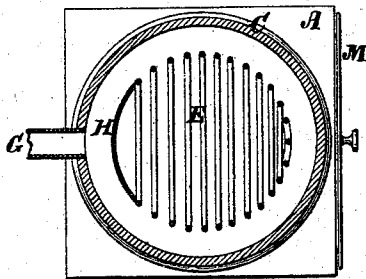
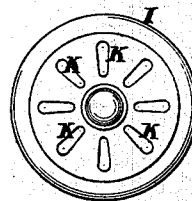


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

THOMAS H. SALMON, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN HEATING-STOVES.

Specification forming part of Letters Patent No. **139,618**, dated June 3, 1873; application filed January 6, 1873.

To all whom it may concern:

Be it known that I, THOMAS H. SALMON, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Stoves; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming a part of this specification.

The invention relates to stoves which have a down-draft through the fuel, and consists in the arrangement of a plate to form that side of the hanging grate, which is opposite the smoke-pipe, as hereinafter described, and pointed out in the claim.

Figure 1 is a sectional elevation of a stove with my improvement. Fig. 2, a horizontal section through the line *xx* of Fig. 1. Fig. 3 is a plan view of the stove.

In the drawing, A is the hollow base having the legs B and ash-pan M. The latter in front has the apertures L, which may be covered to a greater or less extent by the slides, N, to regulate the draft. D is a hollow standard through which passes upwardly the pipe O into the combustion-chamber C. In the latter is hung the basket-grate E, that is provided with a removable cover, I, through whose holes K the air is drawn to produce the

down-draft. One side, H, of the basket-grate E, is a broad plate, which comes directly between the smoke-pipe G and the other part of the grate E. By this construction, when there is sufficient heat to create a vacuum in the chimney a current of air rushes through holes K, through the fuel in grate E, under the plate H, and into the chimney. In order to moderate the strong draft which is thus produced, I move the slides N so as to admit air through holes L. A quantity of air will thus be allowed to follow the current through smoke-pipe G, and thus diminish the quantity drawn through the fuel by the holes K. By the admission of a greater or less quantity through holes L, I can decrease the draft through the fuel more or less.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination, with an apertured cover, I K, and a combustion-chamber, C, having outlet G, of the hanging grate E having the plate H, arranged as and for the purpose described.

THOMAS H. SALMON.

Witnesses:

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