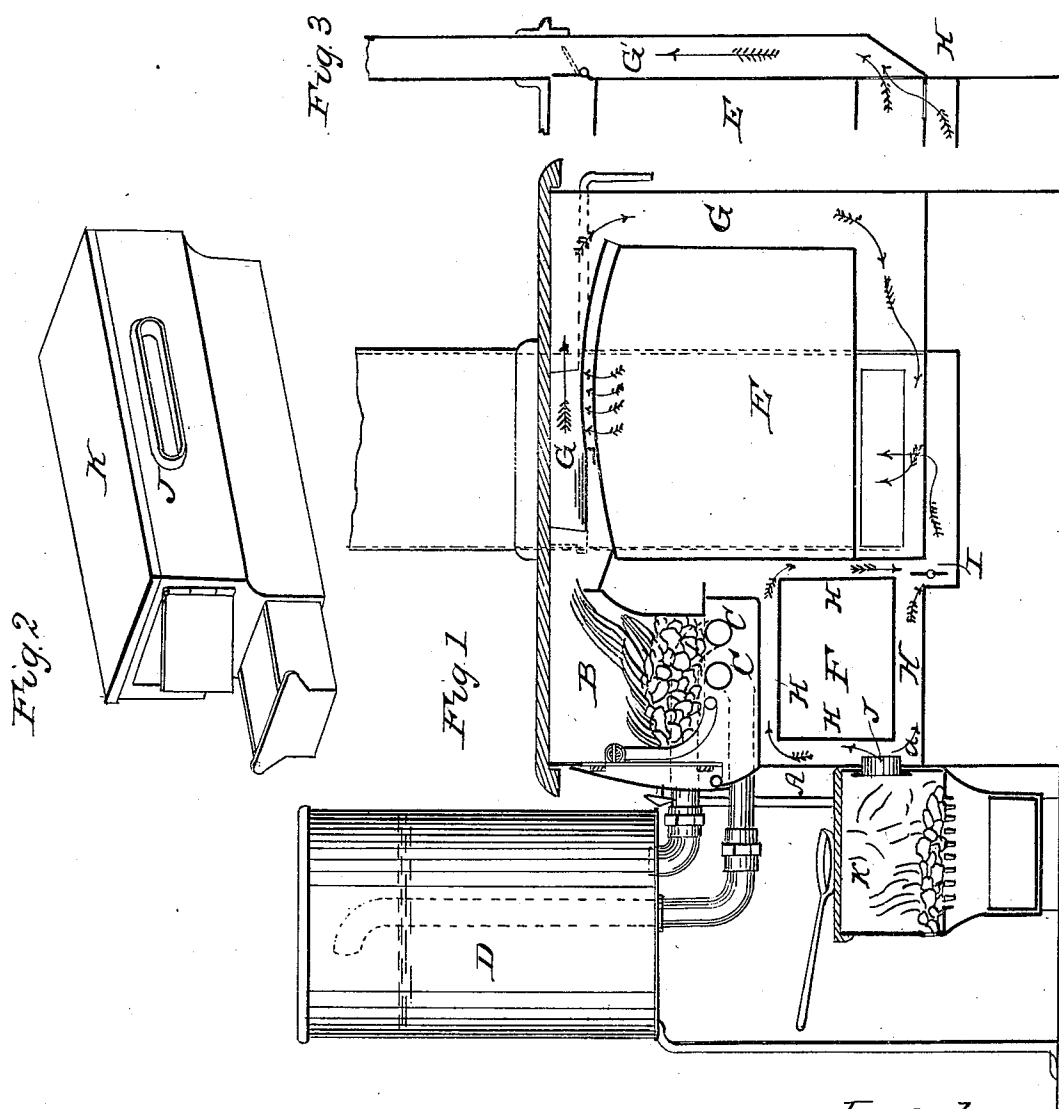


E. G. NILES.
Cooking Range.

No. 29,711.

Patented Aug. 21, 1860.



Witnesses
W. York, Attest
John W. Clute.

Inventor
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per
Huyt Brother Atty

UNITED STATES PATENT OFFICE.

ELON G. NILES, OF CINCINNATI, OHIO.

IMPROVED COOKING-RANGE.

Specification forming part of Letters Patent No. 29,711, dated August 21, 1860.

To all whom it may concern:

Be it known that I, ELON G. NILES, of Cincinnati, Ohio, have invented a certain new and useful Improvement in Cooking-Ranges; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making part of this specification.

The point of useful novelty in this invention consists in a peculiar arrangement of fire-place, oven, and flues in connection with a small supplementary oven in the main stove or range and a small detachable supplementary furnace employed for the exclusive heating of the said supplementary oven, as hereinafter particularly explained.

In the accompanying drawings, Figure 1 is a longitudinal section of my range and its attachment. Fig. 2 is a perspective rear view of my small supplementary stove attachment. Fig. 3 is a transverse section of that portion of the flues immediately connected with the discharge-stack.

A is the external shell of my range.

B is the fire-place, a portion of its grate-bars C being part of a coil of pipes which communicate with a boiler D.

E is the principal oven, and F is a supplementary oven.

G are the principal, and H supplementary, flues, discharging into the former, which in turn discharges into the common smoke-stack G'.

I is a damper, which may be partially or wholly closed for checking or disconnecting the draft of the supplementary stove.

The shell A, near the bottom of its front plate, has an aperture *a* to receive the discharging-nozzle J of a small supplementary stove attachment K.

When the supplementary stove is not in use, it may be set aside and the aperture closed by a cover.

I do not claim, broadly, the use of two ovens in a stove or range or the application or use of a supplementary furnace for summer use; but

What I do claim as new and of my invention herein, is—

The arrangement of the small supplementary oven F, flues H, and damper I, in the described connection, with and relation to the detachable supplementary furnace K and flues G of the main furnace B and oven E, the said parts being constructed and combined and operating in the manner and for the purposes set forth.

In testimony of which invention I hereunto set my hand.

ELON G. NILES.

Witnesses:

GEO. H. KNIGHT,
C. STEEMER, Jr.