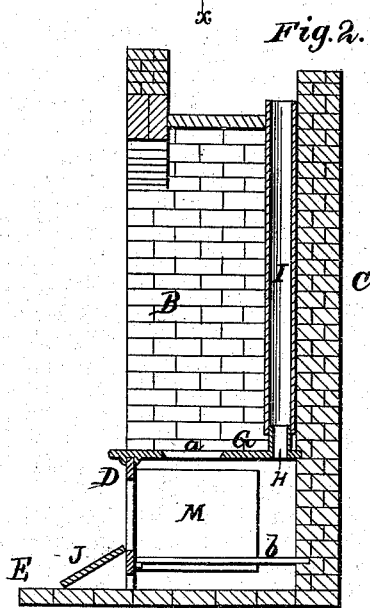
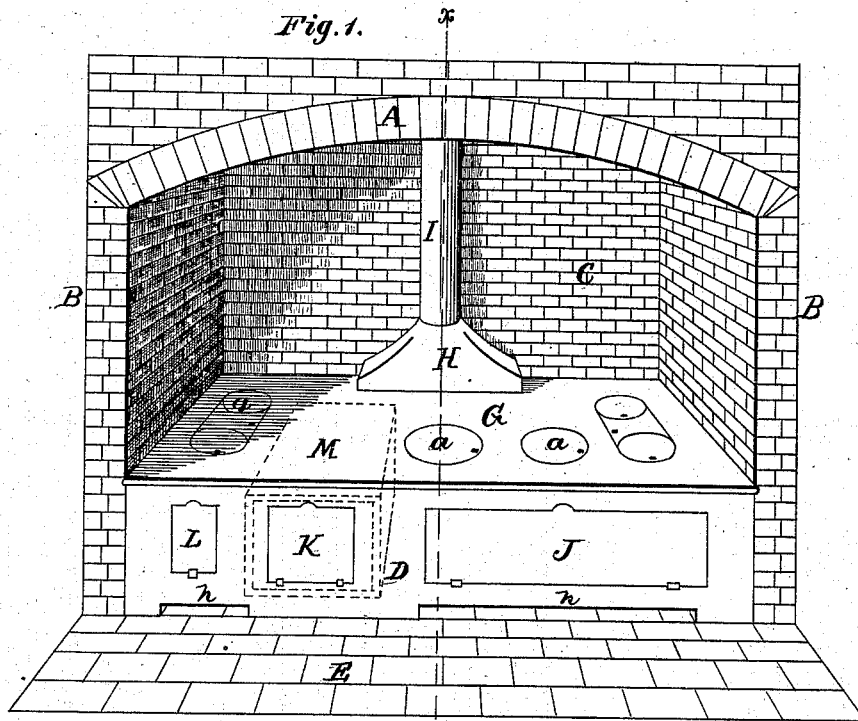


H. F. WATSON.

FIRE-PLACE.

No. 186,390.

Patented Jan. 16, 1877.



WITNESSES

Henry N. Miller
Frank L. Curand

INVENTOR

H. F. Watson

By

Handerthson
Attorneys

UNITED STATES PATENT OFFICE.

HENRY F. WATSON, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN FIRE-PLACES.

Specification forming part of Letters Patent No. **186,390**, dated January 16, 1877; application filed June 27, 1876.

To all whom it may concern:

Be it known that I, HENRY F. WATSON, of Philadelphia, in the county of Philadelphia, and in the State of Pennsylvania, have invented certain new and useful Improvements in Fire-Places; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to fire-places; and it consists in the construction and arrangement of certain attachments to a fire-place, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a front perspective view of my invention. Fig. 2 is a transverse vertical section of the same through the line *x x*, Fig. 1.

A represents the front, B B the sides, and C the back, of an ordinary fire-place. D represents a front plate inserted in the sides B B of the fire-place, and resting on the hearth E. G is a top plate inserted in the sides and back of the fire-place, and having near its front edge, on the under side, a groove to fit on the upper edge of the front plate D. In the center, at the back edge of the top plate G, is a collar or connection, H, for the attachment of the smoke-pipe I, that extends up into the chimney. The top plate G is further provided with any suitable number of stove-holes, with

covers *a a*, as shown. The front plate D is provided at the bottom with draft-openings *h h*, and has also three hinged doors, J, K, and L. The door J is a long one, and is used for the admittance of fuel. The door K opens into an oven, M, formed on or attached to the inner side of the front plate D, and the door L opens into an additional fire-space to increase the heat on the oven, and cause the heat to circulate around the entire oven. *b b* are grate-bars, arranged between the front plate D and the back wall C of the fire-place.

This invention is especially designed for use in the country, where wood is mainly used as fuel, and where fire-places are common. By the addition of the plates D and G as constructed to the ordinary fire-place, a range is formed which will not only save fuel, but also give out more heat.

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

In combination with a fire-place, A B C, the top plate G, provided with pipe-collar H and stove-holes *a*, and the front plate D, provided with the doors J K L and oven M, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 19th day of June, 1876.

HENRY F. WATSON.

Witnesses:

FRANK McBRIDE,
THOS. M. DEVINE.