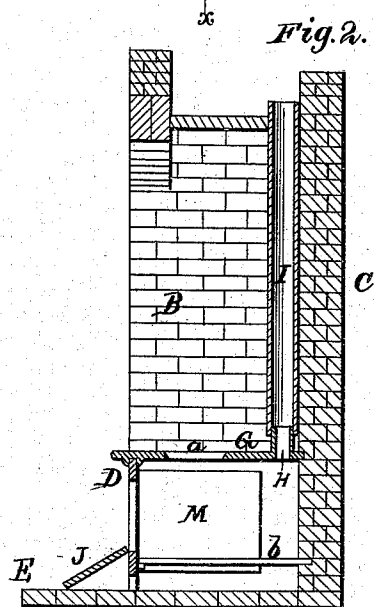
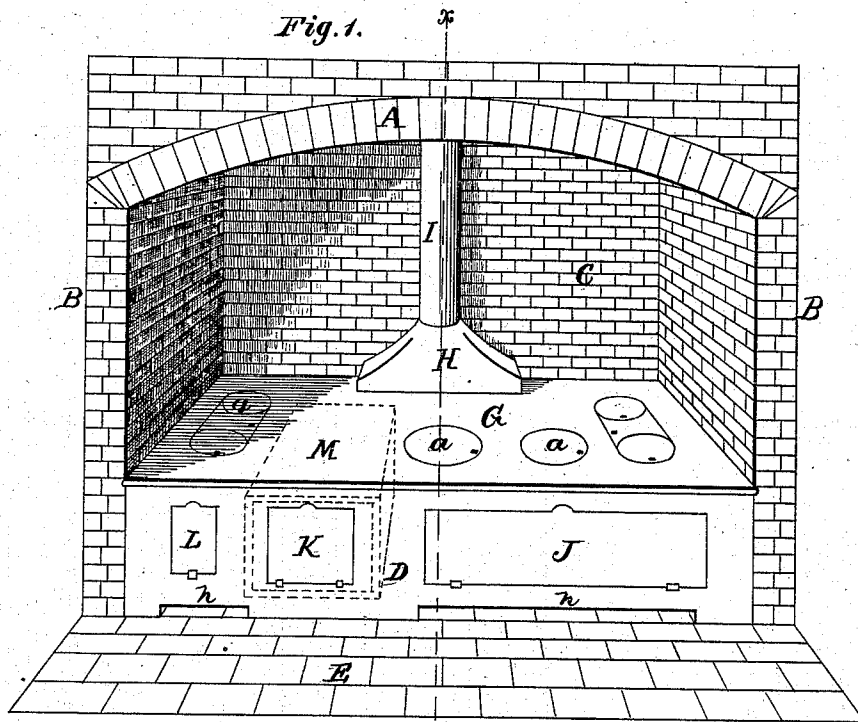


H. F. WATSON.

FIRE-PLACE.

No. 186,390.

Patented Jan. 16, 1877.



WITNESSES

Henry N. Miller
Frank L. Comand

INVENTOR

H. F. Watson
By *Handwritten Signature*
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.