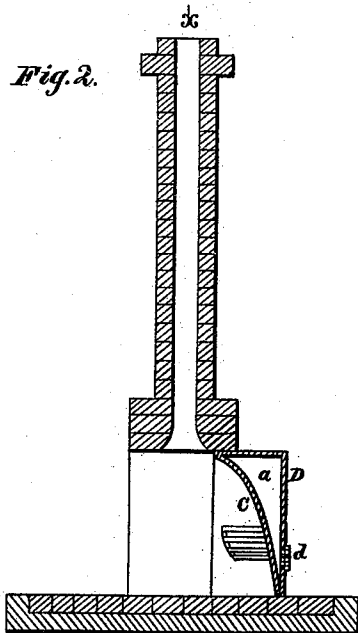
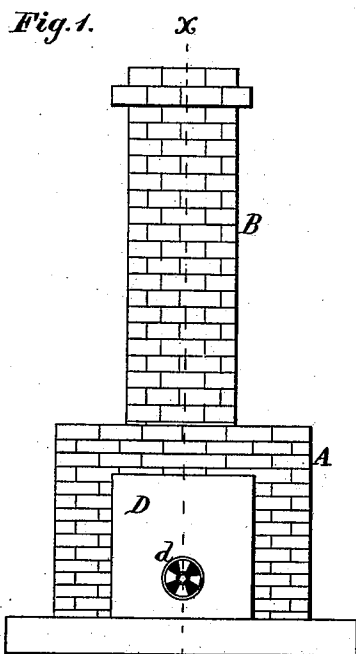


A. M. FERGUSON.
REVERSIBLE FIRE-PLACE.

No. 178,752.

Patented June 13, 1876.



WITNESSES

Henry N. Miller By
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UNITED STATES PATENT OFFICE.

ALLEN M. FERGUSON, OF MOSCOW, KENTUCKY.

IMPROVEMENT IN REVERSIBLE FIRE-PLACES.

Specification forming part of Letters Patent No. **178,752**, dated June 13, 1876; application filed December 23, 1875.

To all whom it may concern:

Be it known that I, A. M. FERGUSON, of Moscow, in the county of Hickman, and in the State of Kentucky, have invented certain new and useful Improvements in Reversible Duplex Radiating Fire-Backs; 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.

The nature of my invention consists in a reversible fire-back and heating or warming furnace, for heating or warming two rooms with one fire, 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 elevation of my invention. Fig. 2 is a transverse vertical section of the same.

A represents an ordinary brick fire-place, made the same on both sides, and having the chimney B extending upward from the center. This fire-place is supposed to be located in the wall or partition between two rooms, and to open into both.

One side of the fire-place is to be provided with a grate, or otherwise constructed to have a fire built therein. The other side of the fire-place is provided with a double fire-back, C D, forming a hot-air chamber, *a*, within the two walls thereof, as shown. A register, *d*, may be applied in the outer shell D of the fire-back, to allow cold air to enter in case the fire-back gets too hot. The fire-back C D may be changed from one side of the fire-place to the other, or, in other words, from one room to the other, and thus have the real fire in either room desired.

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 situated between two adjoining rooms and open on both sides, the metallic fire-back C D, having its front C curved, and provided with a register-opening, *d*, on its vertical back D, as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 4th day of December, 1875.

ALLEN M. FERGUSON.

Witnesses:

SAMUEL SHULTZ,
WILLIAM COLBY.