

D. H. Young.

Furnace Door Frame.

N^o 95,550.

Patented Oct. 5, 1869.

Fig 1.

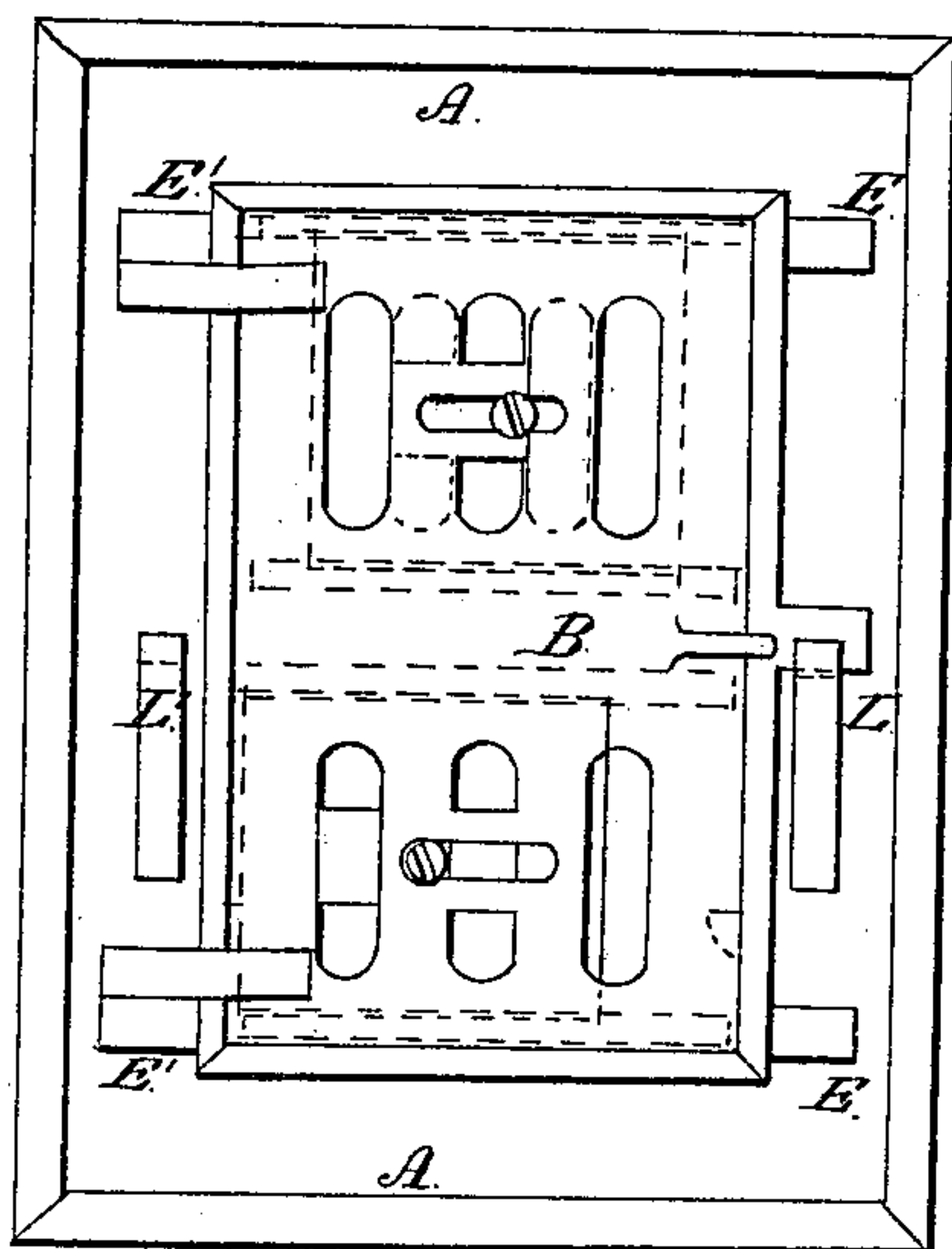


Fig 2.

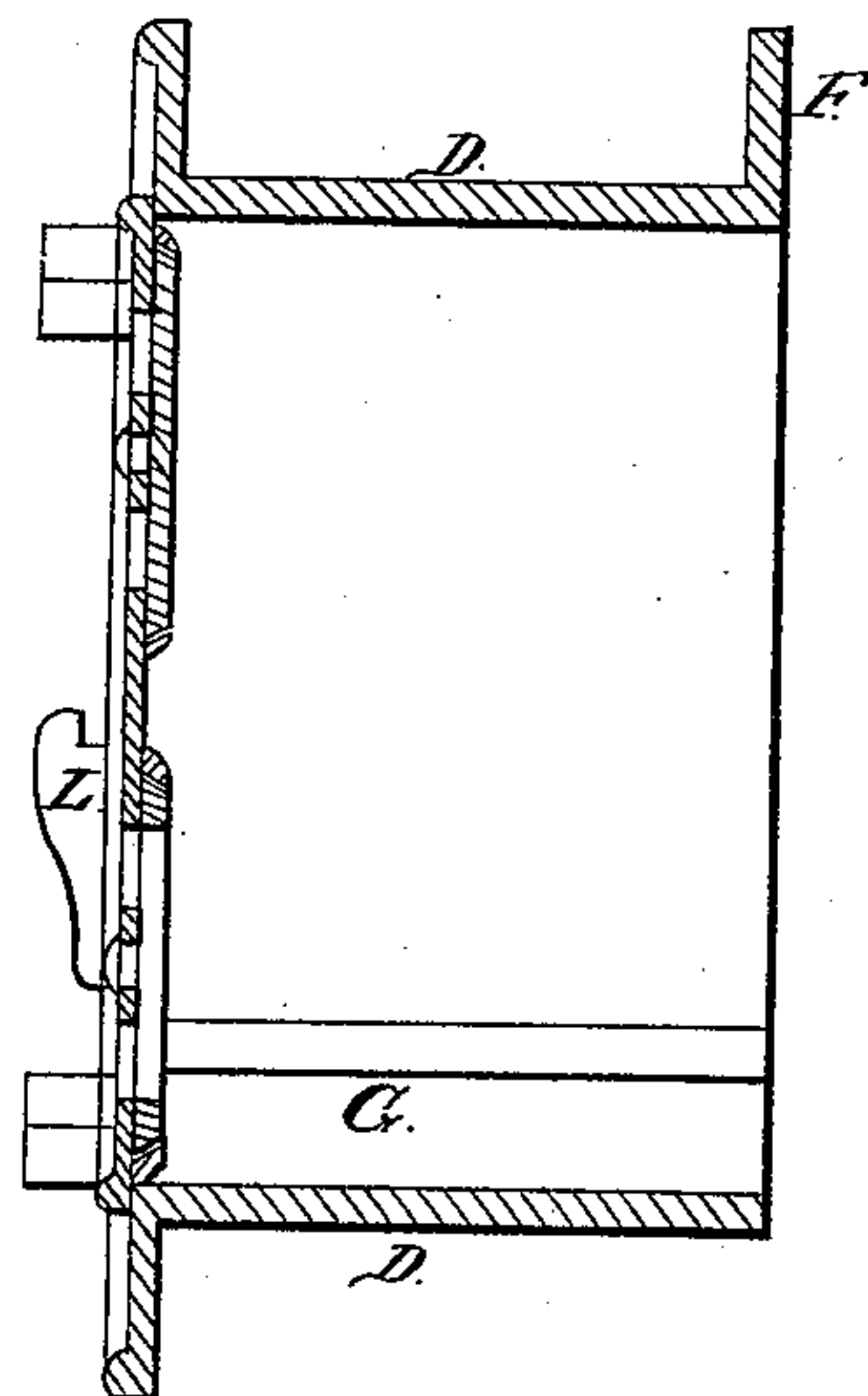
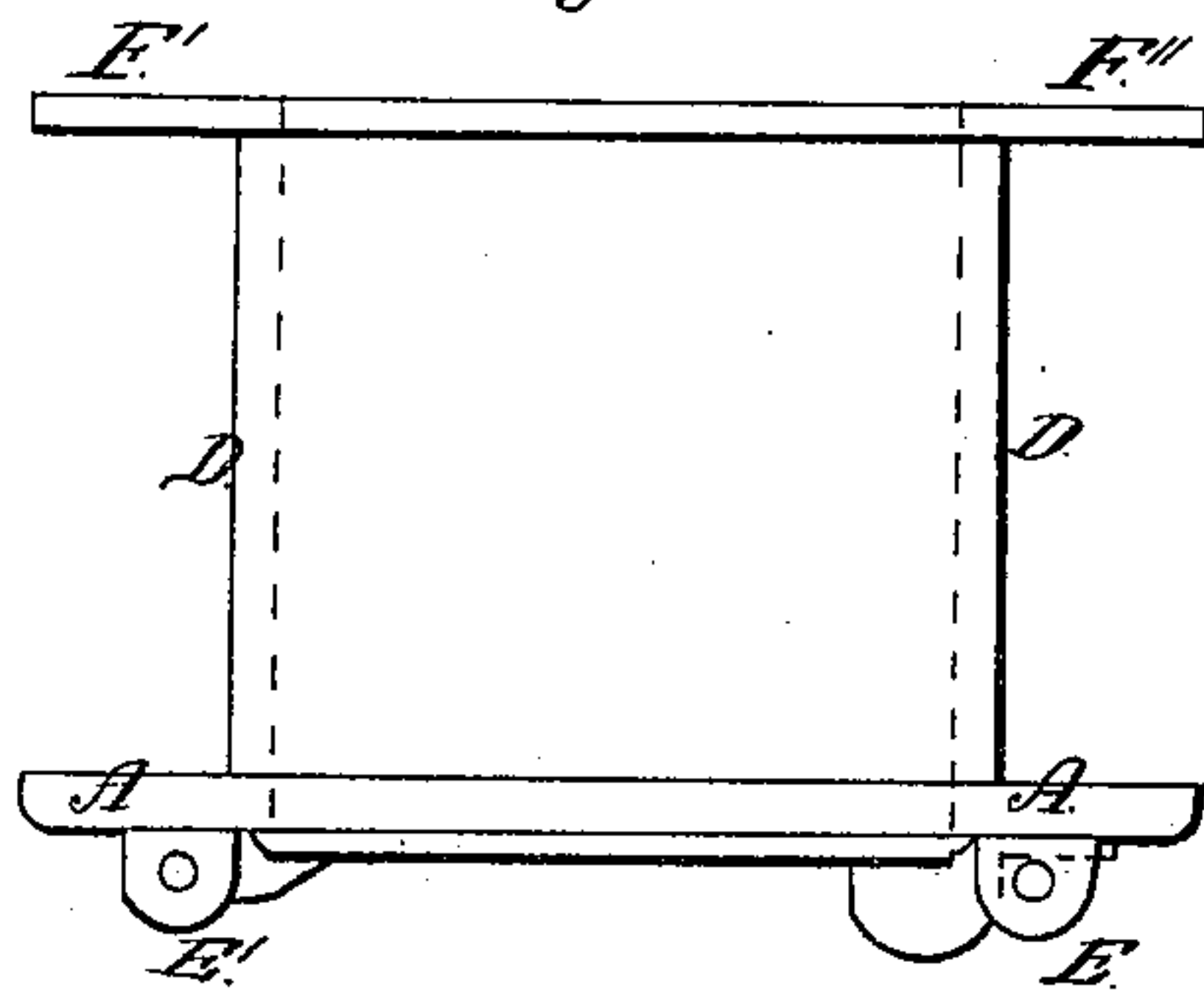


Fig 3.



Witnesses.
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DAVID H. YOUNG, OF MANCHESTER, NEW HAMPSHIRE.

Letters Patent No. 95,550, dated October 5, 1869.

IMPROVEMENT IN FURNACE-DOOR FRAMES.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern:

Be it known that I, DAVID H. YOUNG, of Manchester, county of Hillsborough, and State of New Hampshire, have invented certain Improvements in Furnace-Door Frames; and do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which—

Figure 1 represents a front view of my improved frame.

Figure 2 is a side view, showing top-flange.

Figure 3 is a plan view, showing side-flanges.

The object of my invention is to produce a frame for furnace-doors which can be held tightly in the masonry, without the liability of becoming loose; this is secured by flanges upon three sides of the box of the frame; and to so construct the face of the frame that the door may be easily adjusted so as to swing either way.

The nature of my invention consists in the box having flanges upon three sides of the same, which hold upon the masonry in such a manner that the box will not become loose; and

The nature of the invention consists, further, in constructing the hinges of the door in such a manner that the door can be adjusted to open either way.

In the drawings—

A is the face of the door-frame, and is provided with a double set of hinge-ears, E E and E' E', that is, one set upon each side, and latches L and L', one upon each side.

B is the door.

D, the box, around which masonry is built.

The inner face of this box is provided with flanges, F, F', and F". These are upon the upper part and each side. Heretofore, a flange has been put only on one part.

The advantages of my improved furnace-door frame are, that the door can open either way, without taking out the door-frame and reversing it, as is the present method of accomplishing this result, and the security against the loosening of the frame in the work around it, the flanges described effectually preventing the box from becoming loose.

What I claim, therefore, as my invention, and desire to secure by Letters Patent, is—

1. The device A, having hinge-ears E E and E' E', and latches L and L', for the face of a furnace-door frame, substantially as described.

2. The box D, having flanges F, F', and F", as an improved setting-box to a furnace-door frame, substantially as set forth.

3. The combination of box D, constructed as described, and face A, constructed as shown, substantially as set forth.

The above specification of my invention signed by me, this 4th day of June, A. D. 1869.

DAVID H. YOUNG.

Witnesses:

R. J. P. GOODWIN,

T. D. HEATH.