D. WILSON.

Stove-Pipe Thimble.

No. 11,402. Patented July 25, 1854.

Fig. 1.

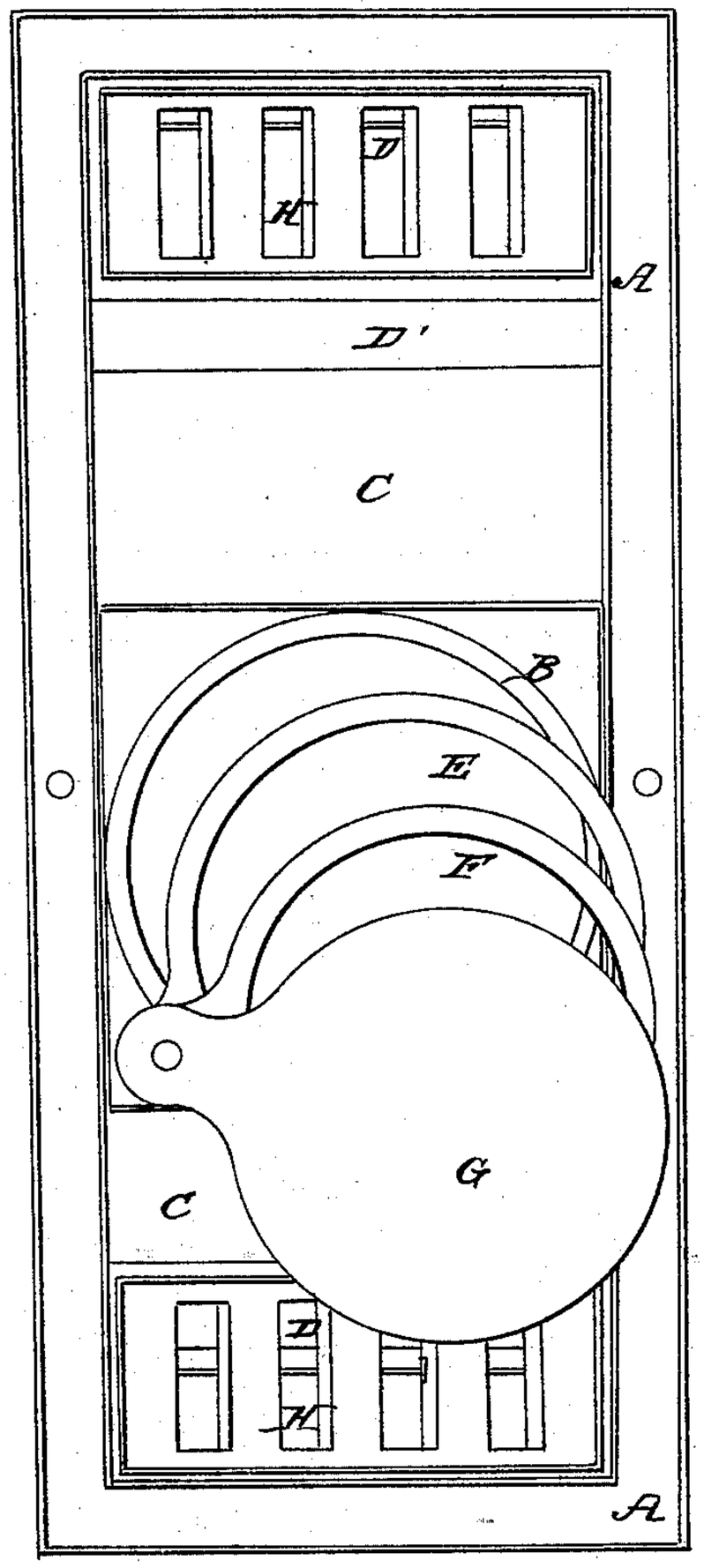
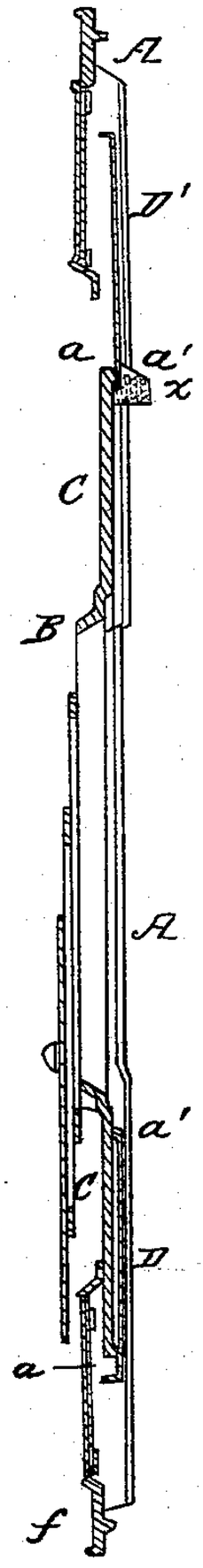


Fig. 2



Witnesses

G Wardleigh.

P Bainbridge Wardleigh

Inventor:

David Wilson

UNITED STATES PATENT OFFICE.

DANIEL WILSON, OF MILFORD, NEW HAMPSHIRE, ASSIGNOR TO WM. F. PRATT, GEO. W. BOSWORTH, AND H. M. BIRD.

THIMBLE FOR STOVEPIPES.

Specification of Letters Patent No. 11,402, dated July 25, 1854.

To all whom it may concern:

Be it known that I, DANIEL WILSON, of Milford, in the county of Hillsboro and State of New Hampshire, have invented certain new and useful Improvements in Thimbles Through which Stovepipes are Made to Enter Chimney-Flues, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, making part of this specification, in which—

Figure 1 is a front view, Fig. 2 a section through the center of the same.

In chimneys arranged for the reception of stove pipes, the thimble has heretofore been set permanently in the flue, and was consequently only adapted to receive a funnel from a stove of a certain determinate height, to accommodate it to stoves of other sizes curves and elbows in the pipes being necessary.

The object of my invention is to produce a thimble which shall be adapted to stoves of various sizes, which I accomplish by causing it to slide up and down in a frame which is itself set into the brick work of the chimney.

To enable others skilled in the art to make and use my invention I will proceed to describe the manner in which I have carried it out.

A is the frame in which the thimble is made to slide.

B is the thimble attached to the plate C, the latter being made to slide beneath the flanges in the plate A. In order to increase the motion of this plate it is caused to slide over two other plates D, D′, the two being connected together by flanges at *a*, *a′* in such a manner that the plate C, while it is allowed to slide over the plates D, D′ as seen at the lower part of Fig. 2, will, when extended in the other direction, draw out these same plates as seen in the upper portion of the same figure. In order that the plates, C, D′, may not slide too freely upon each other, a spring *x* attached to one of them, is made to bear against the other, and thus the two are borne against the frame A, and are kept in place. The extent of motion of the thimble is thus increased over what it would be were the thimble attached to a single sliding plate, without unnecessarily increasing the length of the frame in which it slides, or the opening in the chimney. It frequently occurs also that a thimble which is set for one size of pipe is required to be used with another; for this purpose I arrange several rings or thimbles E, F, of the different sizes of which stove pipes are usually made, one over the other, so that either may be used as required, the others being turned out of the way.

G, is a cover which surmounts the whole for the purpose of closing the thimble when it is not in use.

Above and below in the same frame, within which slides the thimble, are the ventilators H, H′, which may be opened or closed at pleasure and serve the purpose of ventilating the apartment, whether the fire be in operation or not.

The thimble as thus constructed and arranged is neat and ornamental, while as ordinarily constructed it is an unsightly appendage to the room, particularly when the stove is removed.

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

The combination of the rings E, F, the thimble B, the sliding plates C, D, and the cover G, with the ventilators H, H′, constructed and operating in the manner substantially as herein set forth.

DANIEL WILSON.

Witnesses:

G. WADLEIGH,

B. WADLEIGH.