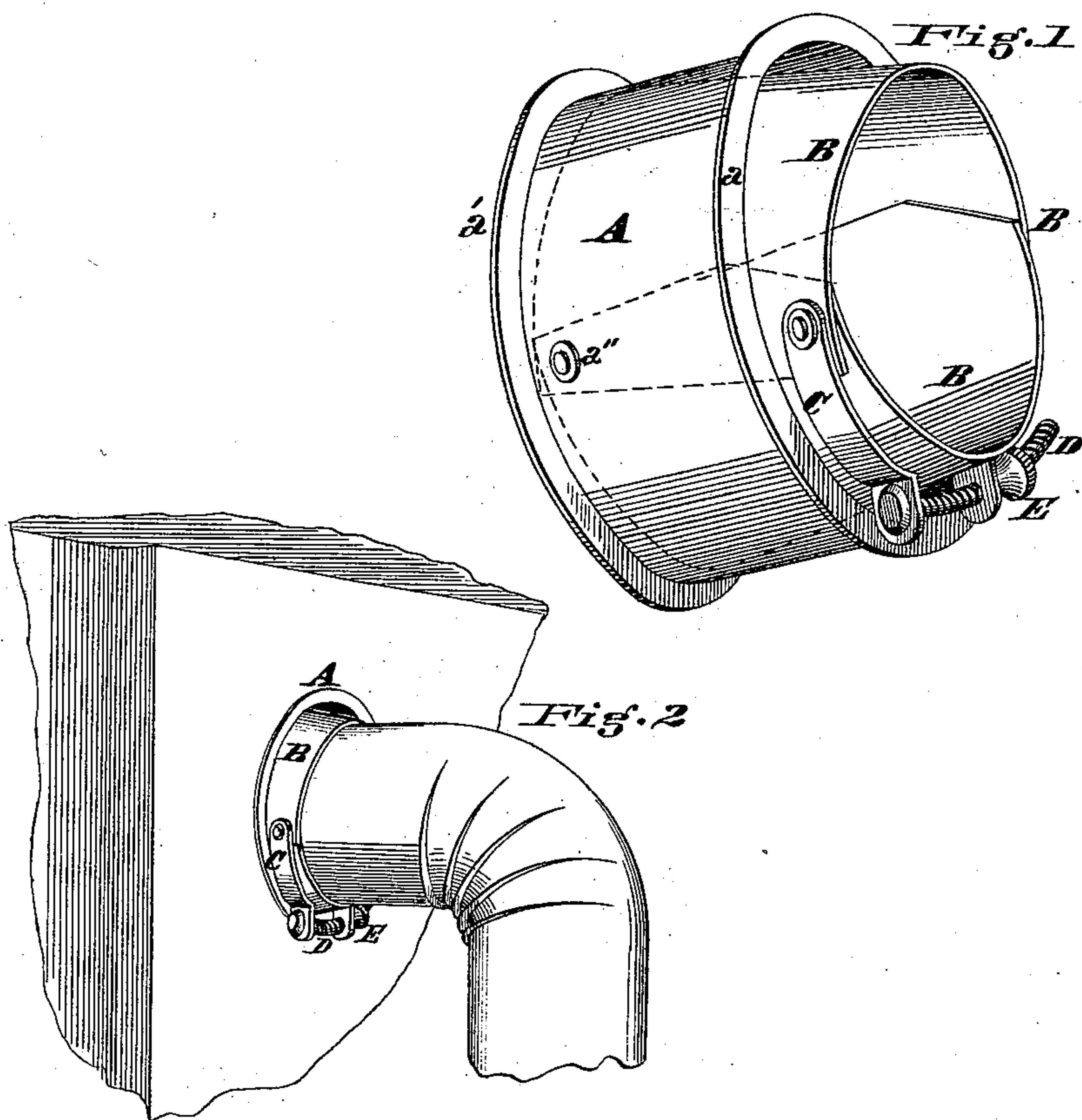


C. STREIT.
STOVE-PIPE WALL-THIMBLE.

No. 189,071.

Patented April 3, 1877.



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UNITED STATES PATENT OFFICE.

CHARLES STREIT, OF CINCINNATI, OHIO.

IMPROVEMENT IN STOVE-PIPE WALL-THIMBLES.

Specification forming part of Letters Patent No. **189,071**, dated April 3, 1877; application filed September 25, 1876.

To all whom it may concern:

Be it known that I, CHARLES STREIT, of Cincinnati, Hamilton county, State of Ohio, have invented an Improvement in Stove-Pipe Wall-Thimbles, of which the following is a specification:

My invention has for its object the construction of a thimble for permanent setting in the flue-wall of a building, which shall have the capacity of contraction, to securely embrace and hold stove-pipes of various sizes that may be introduced therein, and thus avoid the annoyances and accidents incident to the use of the unyielding thimble and loose pipe-fitting now prevalent.

My invention consists of a thimble composed of two or more essential parts, one of which is the exterior shell for attachment to the wall, and the other a reducible sleeve, so connected and constructed that, while it will preserve a sufficiently tight joint between itself and the permanent thimble, it will also tightly embrace and make a sufficiently tight joint between itself and the stove-pipe which may be introduced therein.

My invention further consists of a peculiar device for contracting and firmly securing the reducible sleeve.

Figure 1 is a perspective view of my wall-thimble detached, and Fig. 2 a perspective view of the same secured in the wall and embracing the stove-pipe.

A is a thimble provided with flanges *a a'*, by which it may be permanently secured in the aperture for the entrance of the pipe into the wall. Inside this ring I provide a sleeve, B, which may be in one, two, or more pieces. It is at its inside edge riveted to the outer ring, the rivet or rivets *a''* being somewhat

loose, so that the sleeve B may swing in a vertical plane to adapt itself to differences in location of pipes introduced therein. The sleeve, as shown in the drawing, is composed of two pieces, and to one of them I attach a two-part bale, C, the parts of the bale being connected together by a curved screw-rod and nut, D E, by which the sleeve may be contracted and secured. It is obvious that the sleeve may be in one piece, riveted by a single rivet, to swing in the outer ring, and, while maintaining the swinging capacity, it may be made to reduce to a certain fixed size, and be permanently secured in that position for the entrance of a given-sized pipe always. This would then embrace my feature of swinging, to adapt the sleeve to the varying lengths of stove-pipe, from the stove to the upper elbow, but would not embrace the separate feature of adaptability to close on the periphery of various sizes of pipe.

I claim—

1. A thimble, A, for stove-pipe, having a swinging sleeve attached therein, substantially as and for the purpose specified.

2. The combination of shell or ring A, and reducible sleeve B, constructed and operating substantially as and for the purpose specified.

3. In combination with the ring A and reducible sleeve B, the bale C, and screw-fastener D E, connected and operating substantially as and for the purpose specified.

In testimony of which invention I hereunto set my hand.

CHARLES STREIT.

Witnesses:

JOHN E. JONES,

J. L. WARTMANN.