

H. McMILLEN & W. L. RYDMAN.

FLUE CAP FASTENING.

No. 178,794.

Patented June 13, 1876.

Fig. 1

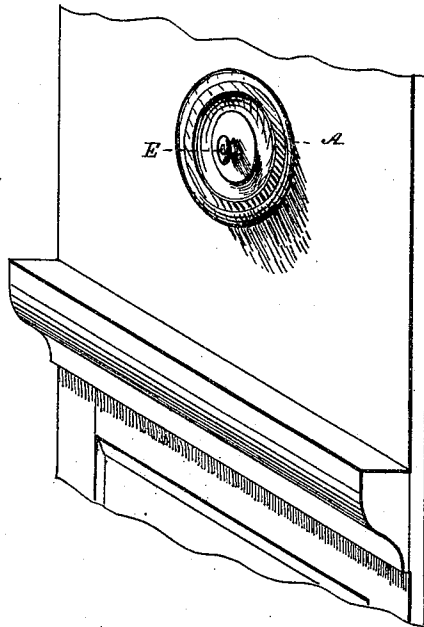
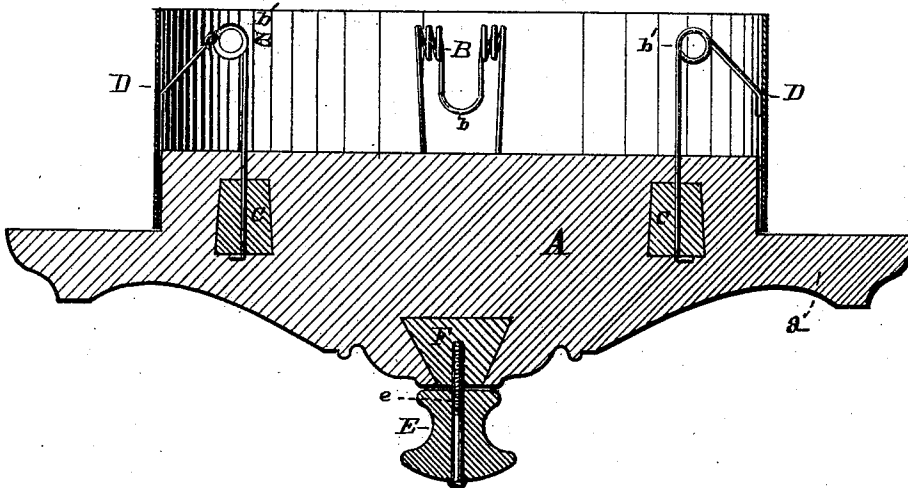


Fig. 2



WITNESSES

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HENRY McMILLEN AND WILLIAM L. RYDMAN, OF LIMA, OHIO.

IMPROVEMENT IN FLUE-CAP FASTENINGS.

Specification forming part of Letters Patent No. **178,794**, dated June 13, 1876; application filed May 11, 1876.

To all whom it may concern:

Be it known that we, HENRY McMILLEN and WILLIAM L. RYDMAN, of Lima, in the county of Allen and State of Ohio, have invented a new and useful Improvement in Flue-Caps; and we do hereby declare the following to be a full, clear, and exact description.

In the drawings accompanying and forming part of this specification, Figure 1 represents a perspective view of our invention. Fig. 2 represents a cross-section of the same.

The object of our invention is the construction of a cap whereby the escape of fire, smoke, or scot from the opening of the flue may be entirely prevented, and which, while resting securely in place, may be readily and quickly fitted into, or removed from, the flue-opening.

The cap is made of plaster-of-paris, and consists of a body, the end of which projects into the flue, and a flange, which sits closely against the exterior surface of the wall. The exterior surface of the cap may be plain or of any desired ornamental pattern. Its interior surface is provided with four (more or less) springs, made of wire, of brass or other suitable metal. Each spring is bent at its middle, and the wire coiled on both sides of the bend, the latter resting against the inner surface of the flue-thimble, while the ends of the wire are secured in a block of wood which is embedded in the body of the cap, the plaster-of-paris being cast around it.

In the accompanying drawing, A represents the body of the cap, with its circumferential flange *a* formed to lie flat on the exterior surface of the wall around the flue opening. B B are the four springs, their ends secured in the blocks C C, which are embedded in the body of the cap. Each spring is bent at its middle *b*, which rests within against the surface of the flue-thimble D, and on each side of the loop thus formed the wire is rolled into a coil, *b' b'*. E is the handle of the cap, formed of any suitable substance, and provided with a screw, *e*, which passes through it centrally into a wooden block, F, which is embedded in the center of the body of the cap.

It is to be noticed that the springs B B are so bent that while holding strongly within the flue-thimble they will not catch against its surface when the cap is slid out of its place.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The combination of the plaster-of-paris flue-cap body A, embedded blocks C C, and springs B B with the flue-thimble D, substantially as and for the purpose specified.

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Witnesses:

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