(No Model.)

E. H. ADAMS

FLUE STOPPER.

No. 503,823. Patented Aug. 22, 1893.

Fig. 1.

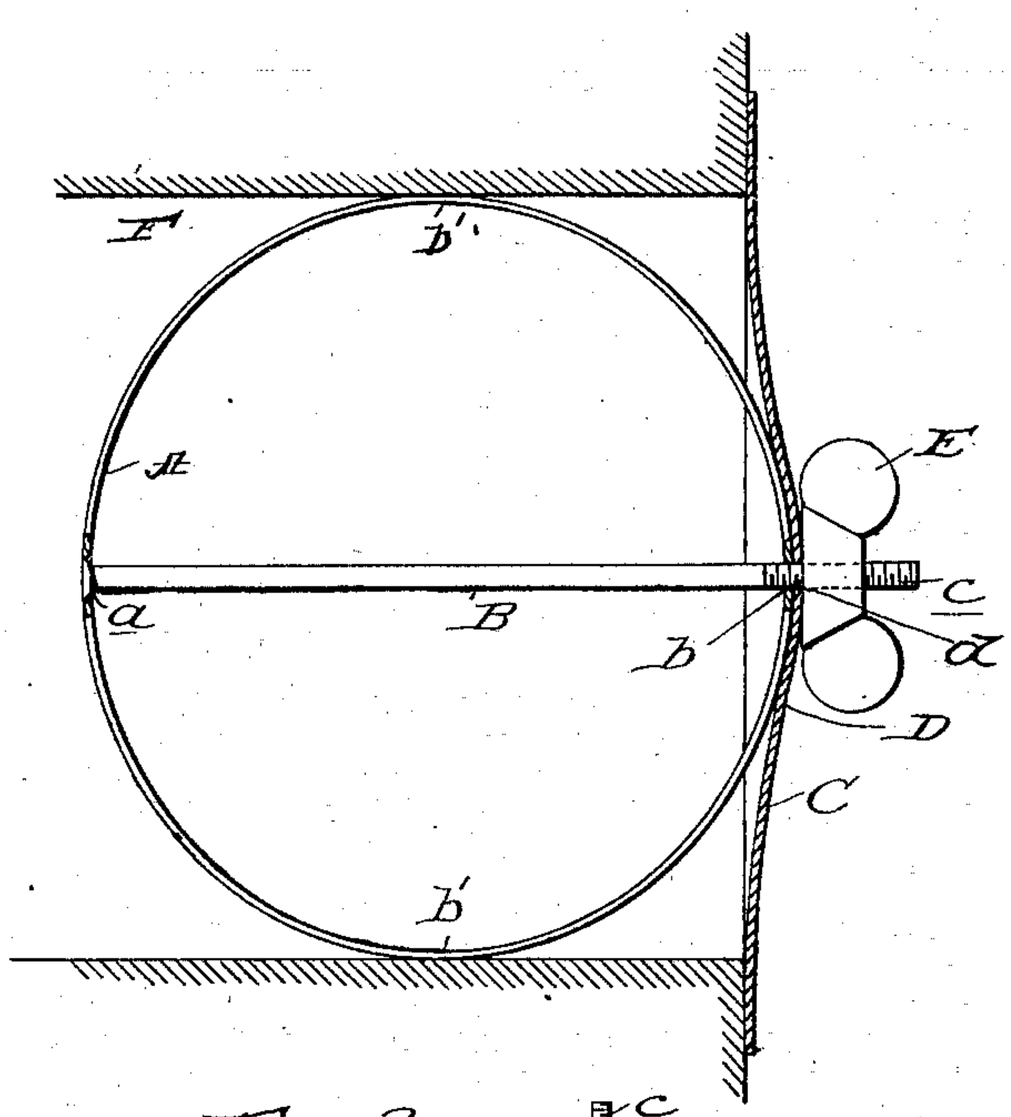
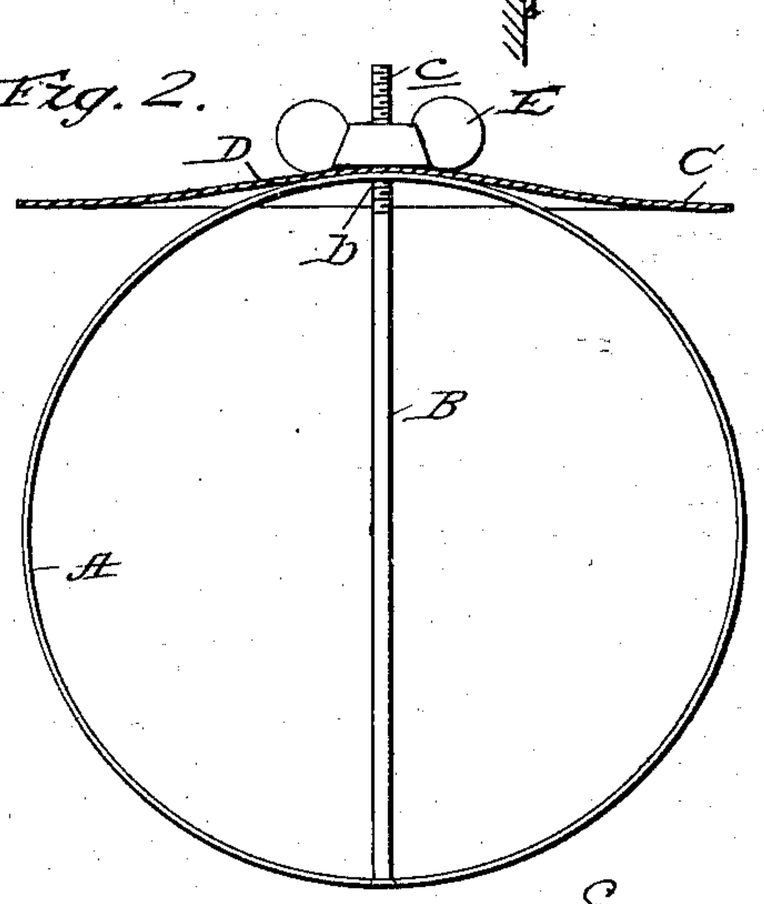


Fig. 2.



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UNITED STATES PATENT OFFICE.

EDMUND H. ADAMS, OF LAMAR, MISSOURI.

FLUE-STOPPER.

SPECIFICATION forming part of Letters Patent No. 503,823, dated August 22, 1893.

Application filed May 23, 1893. Serial No. 475,223. (No model.)

To all whom it may concern:

Be it known that I, EDMUND H. ADAMS, a citizen of the United States, residing at Lamar, in the county of Barton and State of Missouri, have invented certain new and useful Improvements in Flue-Stoppers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention has relation to an improvement in flue stoppers or devices for closing the pipe hole in a chimney or flue, and it has for its object to provide such a device at a minimum expense, which will not get out of order, and may be readily adjusted and secured in pipe holes of various sizes.

The invention will be fully understood from the following description and claim when taken in connection with the annexed drawings, in which—

Figure 1, is a sectional view of a part of a flue, showing my improved device therein with the cap or closing disk in section, and: Fig. 2, is a similar view of the device removed from the pipe hole.

Referring by letter to said drawings: A, indicates a ring or band of steel or iron having sufficient resiliency to give and expand or contract to the action of a thumb screw or wing nut.

B, indicates a rod. This rod is welded, riveted, or otherwise suitably fixed to said band at one end, as shown at *a*, and extending diametrically across the band, passes through a transverse aperture *b*, therein, and its free end is threaded as shown at *c*.

C, indicates a disk or plate of tin or sheet metal. This plate or disk may be ornamented on its outer side, and is provided in its middle portion with a bulge D, which conforms to the curvature of and receives a part of the band, and through the center of this bulged portion is an aperture *d*, for the passage of the rod B. The disk is of a sufficient diameter to close the pipe hole of a chimney, and is held upon the band and rod by means of a wing nut E.

The flue or pipe hole is indicated by F, and the band is designed to be made sufficiently large that when expanded it will adjust itself to said hole, while when contracted, it may be easily withdrawn or inserted in the pipe hole.

By reason of the rod having the threaded end, outwardly disposed, and its inner end fixed to the band, the parts are not liable to become detached or lost, and they are very effective for the purposes designed.

I do not wish to be understood as confining myself to any particular design or formation of the disk or plate C, as that can be of a shape and configuration according to the fancy or dictation of the mechanic. It will also be observed that when the nut has been turned upon the threaded end of the rod in one direction, it will spread the band so as to cause the points *b'*, *b'*, to press outwardly and against the walls of the flue hole, while the plate or disk will also be somewhat straightened out so as to press more firmly against the face of the chimney.

Having described my invention, what I claim is—

As an improved article of manufacture, the adjustable flue stopper comprising the yielding band, having a transverse hole as described, the plate or disk having a central hole, the rod threaded at one end and passing through the respective holes and fixed at its inner end to the band, at a point opposite the hole therein, and the wing nut, arranged on the threads of the rod, and adapted to bear against the plate and band, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

EDMUND H. ADAMS.

Witnesses:
G. D. CRENSHAW,
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