

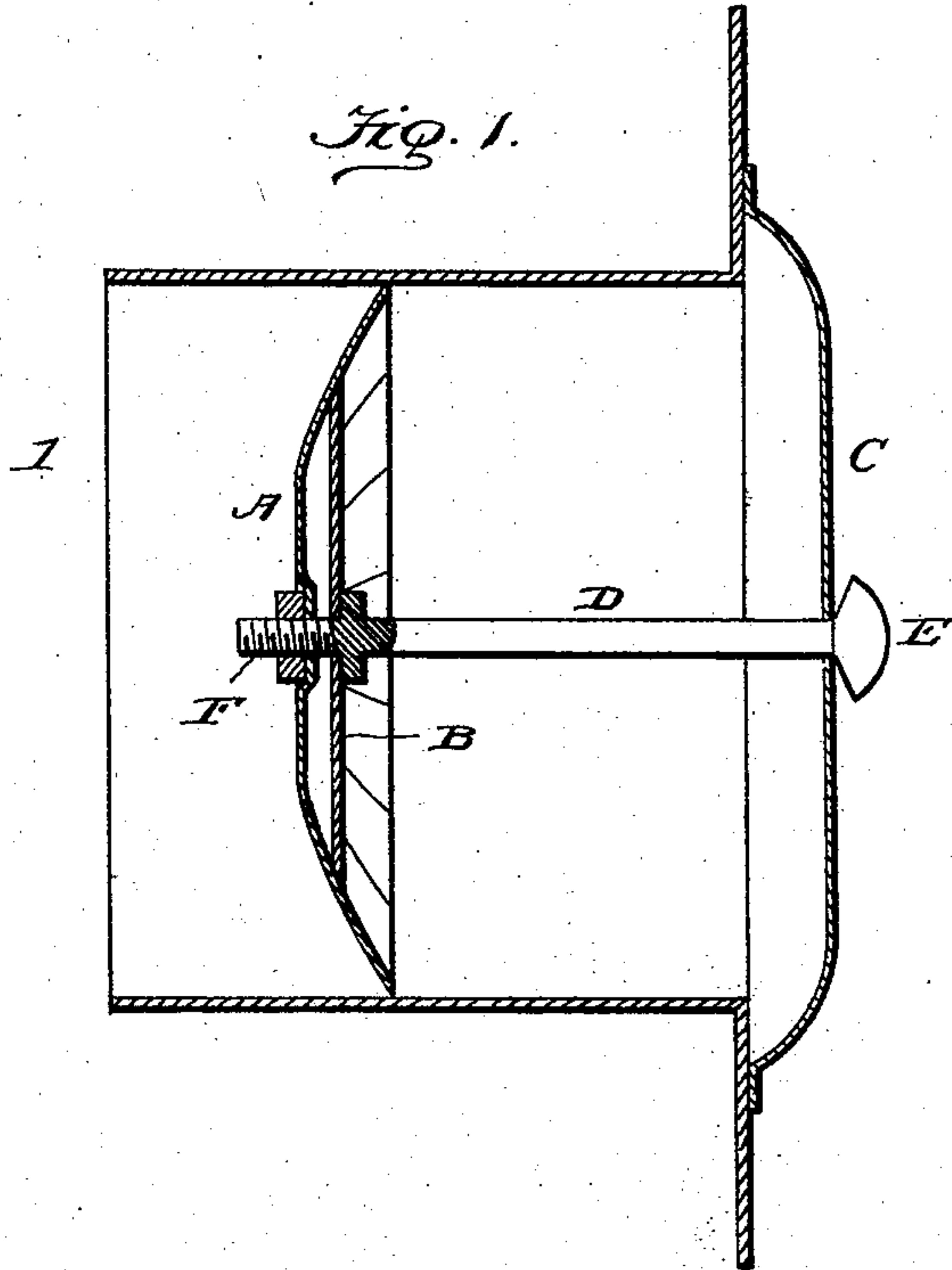
(No Model.)

J. M. PADGETT.  
FLUE STOPPER.

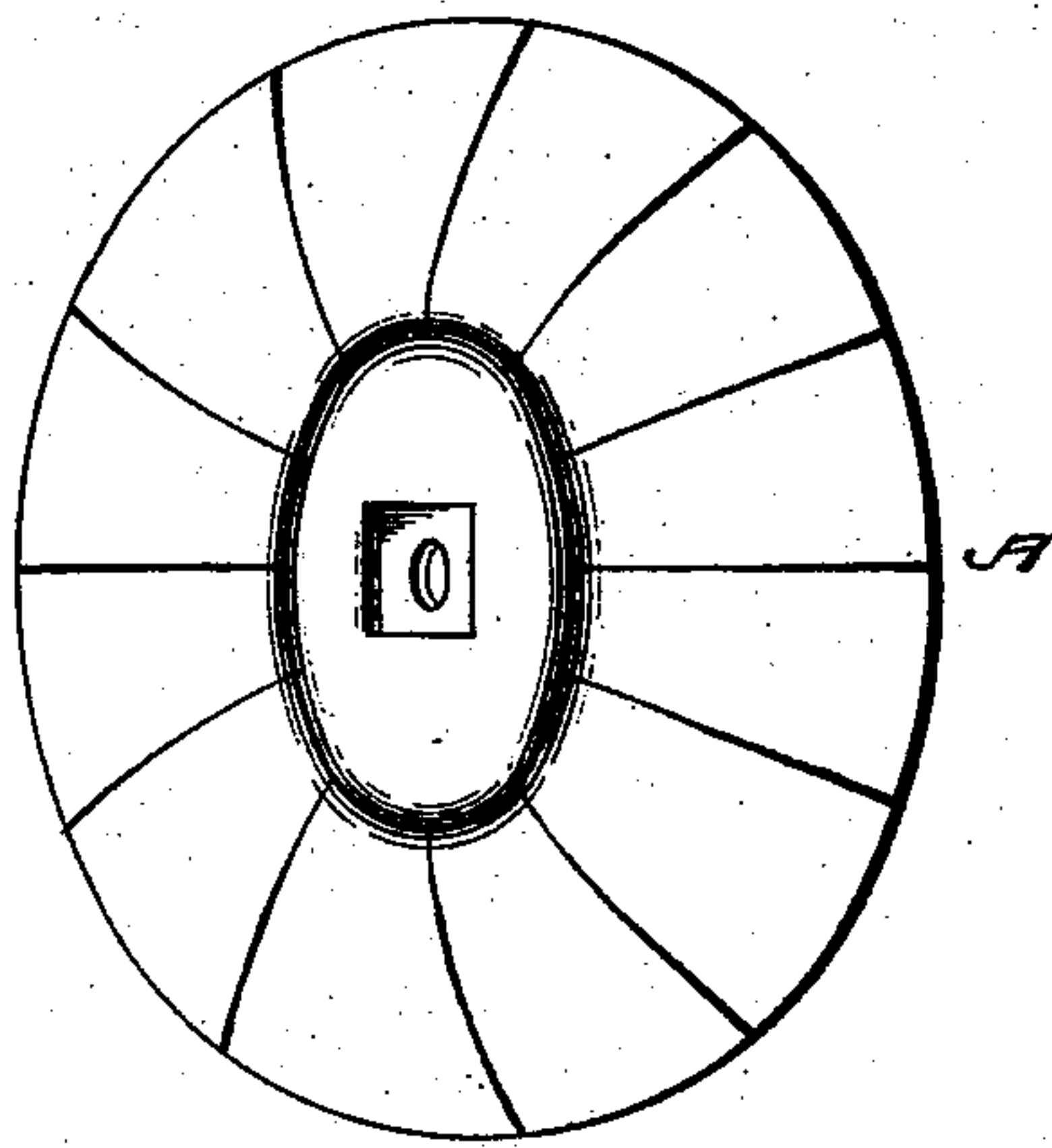
No. 605,128.

Patented June 7, 1898.

*Fig. 1.*



*Fig. 2.*



Witnesses

*Wm. C. Ashie*  
*J. B. Hill*

Inventor

*James M. Padgett.*

by

*A. B. Wilson & Co.*

Attorneys

# UNITED STATES PATENT OFFICE.

JAMES MILLARD PADGETT, OF TOPEKA, KANSAS.

## FLUE-STOPPER.

SPECIFICATION forming part of Letters Patent No. 605,128, dated June 7, 1898.

Application filed January 20, 1898. Serial No. 667,325. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES MILLARD PADGETT, a citizen of the United States, residing at Topeka, in the county of Shawnee and State of Kansas, 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.

My invention has relation to flue-stoppers.

The object of the invention is to provide a device of this character by means of which a dead-air chamber is formed in the flue-thimble, thereby preventing soot and ashes sifting out into the room at every little gust of wind, as well as preventing the paper on the wall scorching around the thimble.

With this object in view the invention consists in certain features of construction and combination of parts, which will be hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a longitudinal sectional view through the flue-thimble and the flue-stopper, and Fig. 2 is a detail perspective view of the inner section of the stopper.

In said drawings, 1 denotes the flue-thimble, which may be of any suitable or well-known construction.

The flue-stopper consists of the inner section A, the clamping-disk B, and the outer section C. Each of these parts has an alined hole through which passes a bolt D, having at one end a head E and at the other end a thread F.

A stop nut or shoulder is secured to or formed upon the threaded end of the bolt at the front side of the disk, and a clamping-nut is secured upon the bolt at the rear side of the inner section of the stopper and serves to clamp this section of the stopper to the disk. The stopper is expansible in order to enlarge or lessen its circumference. In order to effect the expansibility of the section of the stopper, I slit it radially from the edge toward its center, thereby forming separate and independent wings or sectors.

The cover is suitably dished, and is provided at its center with a square seat to receive the clamping-nut above referred to.

The operation of the invention is as follows: When placed within a flue-thimble and it is desired to tighten the inner section of the stopper against the interior wall of the flue to insure a tight fit, the head of the bolt is turned, which causes the disk B to be forced against the dished face of the inner section of the stopper, thereby spreading or flattening it out and causing its edges to firmly engage with the interior wall of the thimble.

Although I have specifically described the construction and relative arrangement of the several elements of my invention, I do not desire to be confined to the same, as such changes or modifications may be made as clearly fall within the scope of my invention without departing from the spirit thereof.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

A flue-stopper consisting of the inner and outer sections, the inner section being dished and slit radially from its edge toward its center, a clamping-disk fitted to the dished side of the inner section of the stopper, said sections and the clamping-disk provided with alined openings, the said inner section of the stopper being provided on its outer convex face around its opening with a nut-seat, a bolt extending through the holes in the stopper-sections and the disk, a stop shoulder or nut secured on the bolt at the inner side of the disk, and a nut seated in the recess of the inner section of the stopper against rotation, whereby when said bolt is rotated the circumference of the inner section of the stopper will be varied, substantially as set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JAS. MILLARD PADGETT.

Witnesses:

O. K. SWAYZE,  
C. T. MCCABE.