

(No Model.)

J. B. DAVIS.  
FLUE CAP.

No. 559,266.

Patented Apr. 28, 1896.

Fig. 1.

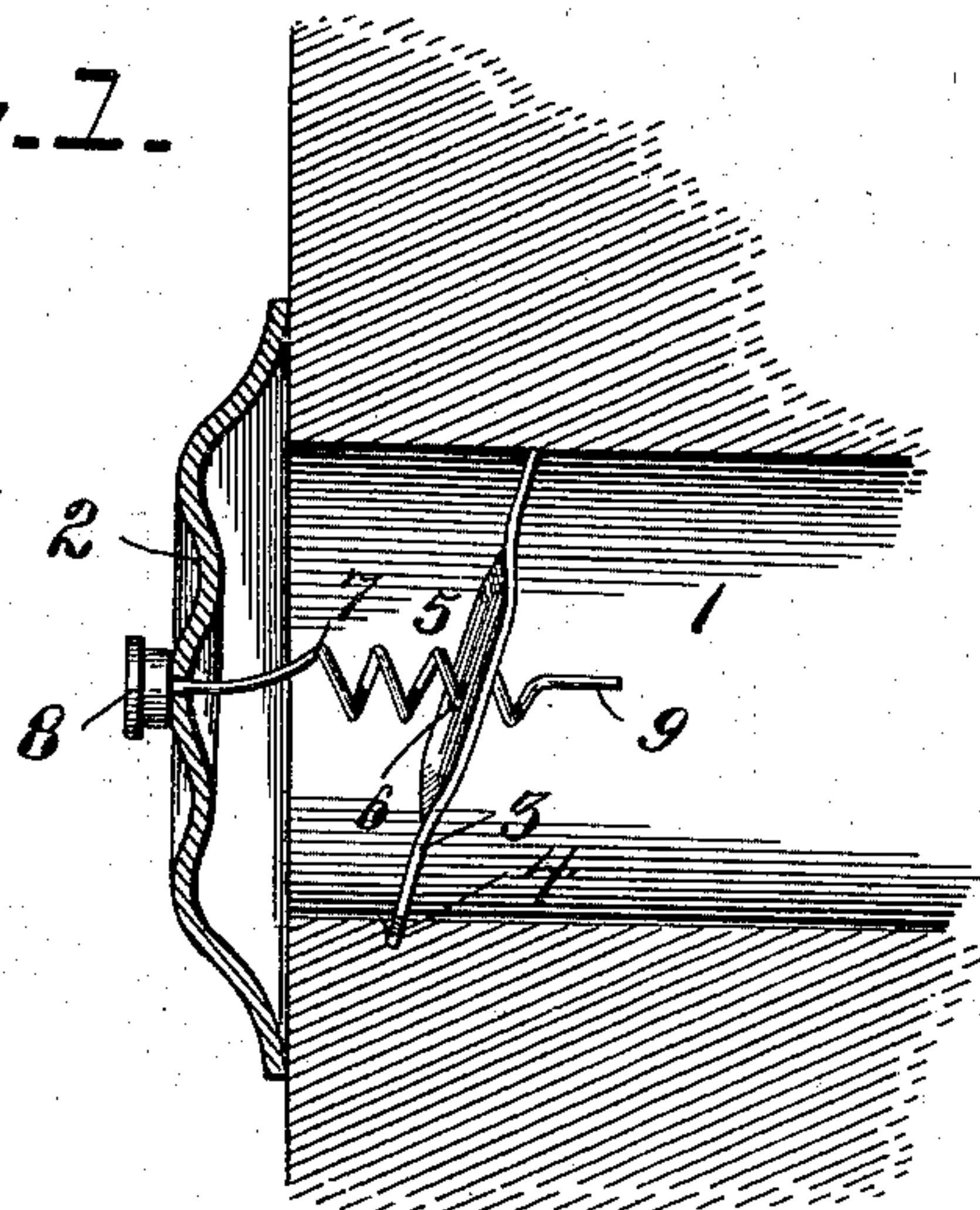


Fig. 3.



Fig. 4.

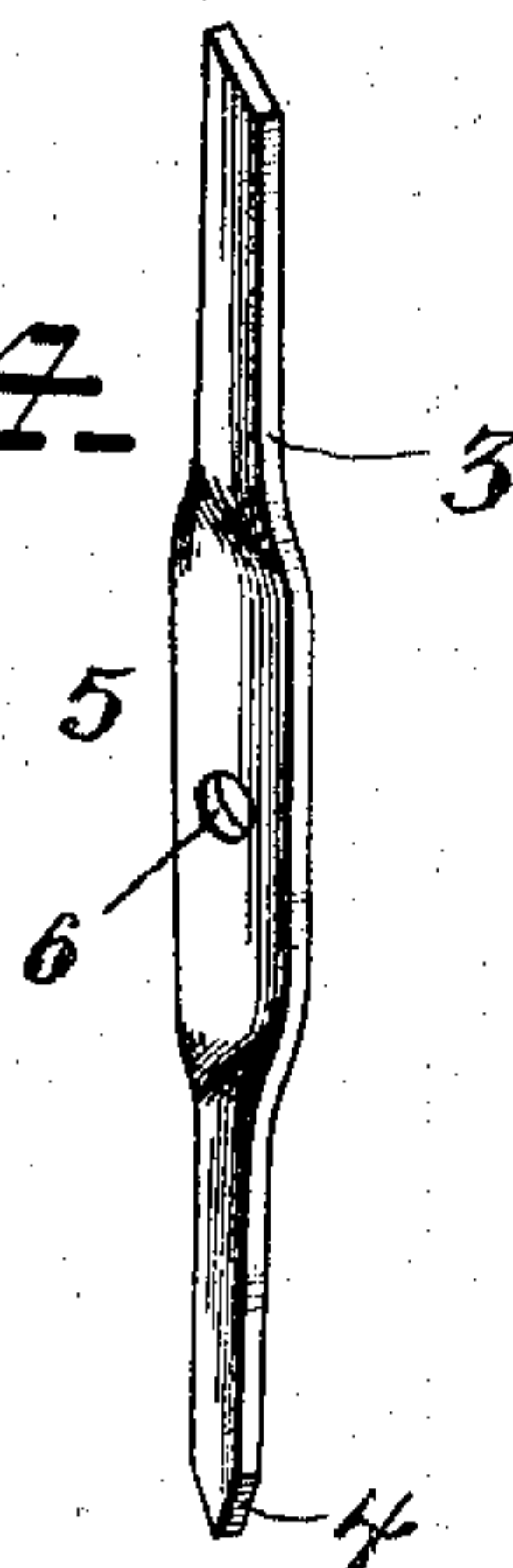
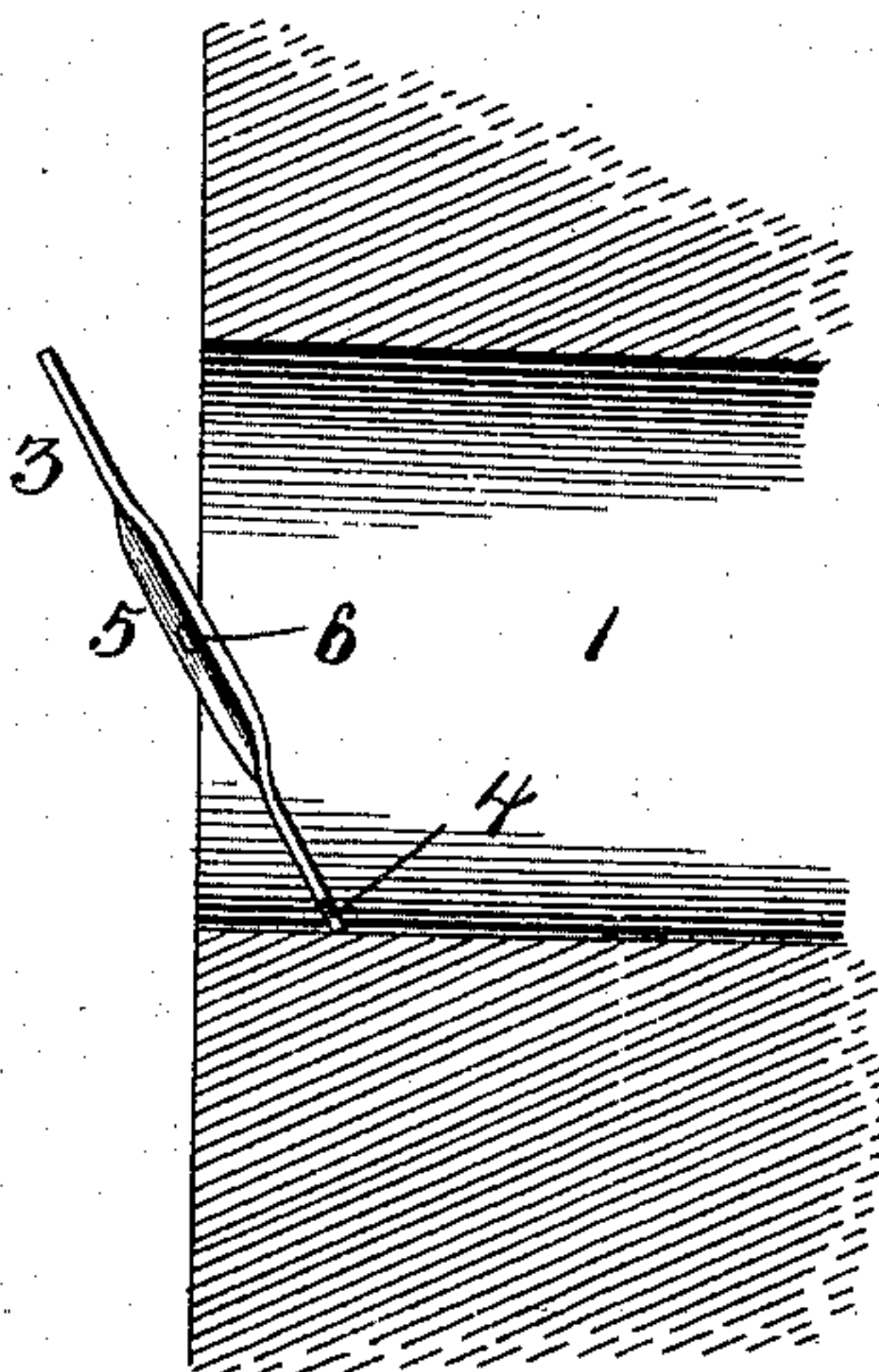


Fig. 2.



Witnesses

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# UNITED STATES PATENT OFFICE.

JOHN B. DAVIS, OF ABINGDON, ILLINOIS, ASSIGNOR OF ONE-HALF TO E. H. BURRIDGE, OF SAME PLACE.

## FLUE-CAP.

SPECIFICATION forming part of Letters Patent No. 559,266, dated April 28, 1896.

Application filed May 28, 1895. Serial No. 550,988. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN B. DAVIS, a citizen of the United States, residing at Abingdon, in the county of Knox and State of Illinois, have invented a new and useful Flue-Cap, of which the following is a specification.

This invention relates to an improvement in devices for securing covers or disks over the pipe-holes of chimneys, and has for its object to provide simple and efficient means for retaining a flue or pipe-hole cover or cap in place, which may be manufactured at a minimum amount of cost, be applicable to pipe-holes of different sizes and lined with different material, and be capable of being readily applied or removed from position when desired.

In order to accomplish the above objects, the invention consists in certain novel features and details of construction and arrangement of parts whereby certain advantages in point of simplicity and efficiency are attained, as hereinafter fully described, illustrated in the drawings, and finally embodied in the claim.

In the accompanying drawings, Figure 1 is a vertical section through a chimney, showing the improved means for securing a flue cap or cover over the pipe-hole therein. Fig. 2 is a similar view showing the manner of applying the perforated cross-bar. Fig. 3 is a detail perspective view of the spiral fastener which engages with the perforated cross-bar. Fig. 4 is a similar view of the perforated cross-bar.

Similar numerals of reference designate corresponding parts in the several figures of the drawings.

Referring to the accompanying drawings, 1 designates a stovepipe-hole in a chimney to which it is desired to apply a cap or cover in the form of a disk of plain or ornamental design, (indicated at 2.)

3 designates a cross-bar, which is composed of a strip of steel or any suitable metal having the desired thickness to impart the necessary strength thereto, said cross-bar being of a length slightly greater than the internal diameter of the pipe-hole in the chimney. One end of said cross-bar is abruptly pointed, as shown at 4, and the central portion of said

bar is twisted and disposed at an angle to the remainder of the bar, as indicated at 5, and provided with a central perforation 6 for a purpose that will appear. The cross-bar is applied to the chimney-hole by tilting the same at an angle thereto, as indicated in Fig. 2, and striking the upper blunt end of the cross-bar with a sledge or hammer sufficiently to embed the point of the cross-bar in the wall of the pipe-hole. After a socket has thus been formed for the point of the cross-bar said cross-bar is removed and again inserted, blunt end first. The pointed end of the cross-bar is now engaged with said socket and the blunt end drawn forward until it binds firmly against the upper or opposite wall of the pipe-hole, which holds said cross-bar snugly and firmly in place, as indicated in Fig. 1.

7 designates a spiral fastener, which is formed from a piece of wire of the desired gage, the same being bent into the spiral form shown and forming, substantially, an enlarged and open screw-thread somewhat resembling a corkscrew. One end of this fastener is provided with a head or button 8, by which it may be turned into place, and the opposite end is extended longitudinally to form a point 9, adapting the same to be readily engaged with the central perforation in the cross-bar.

The spiral fastener is first passed through a central perforation in the disk-shaped cap or cover with which the pipe-hole is to be closed. The point of the fastener is then passed through the central perforation of the cross-bar and the fastener then turned by means of its head or button. By reason of the inclined or angular position of the central portion of the cross-bar and the disposition of the central perforation therein at an angle it acts as a thread for the spiral fastener, and as said fastener is screwed inward the cap or cover is pressed firmly against the chimney-breast in a manner that will be readily understood.

The device above described is extremely simple, can be manufactured at trifling cost, is adaptable to pipe-holes of various sizes, and will be found very convenient and efficient in use.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

5 The combination with a flue-cap, and with  
a retaining-bar having one of its ends pointed  
and an intermediate portion thereof twisted  
and disposed at an angle to the end portions,  
said bar being adapted to be applied to a  
10 stovepipe-hole in the manner described, in  
combination with a spiral fastening device

passing through said cap and bar and adapted  
to engage the latter, substantially in the man-  
ner and for the purpose specified.

In testimony that I claim the foregoing as  
my own I have hereto affixed my signature in 15  
the presence of two witnesses.

JOHN B. DAVIS.

Witnesses:

BURT COPELAND,  
G. ASON HICKMAN.