G. W. COOK.

Stovepipe Thimble.

No. 230,923. Patented Aug. 10, 1880.

Fig. 1.

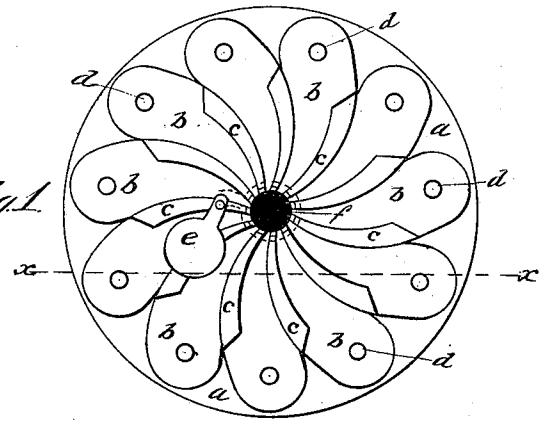


Fig. 2.

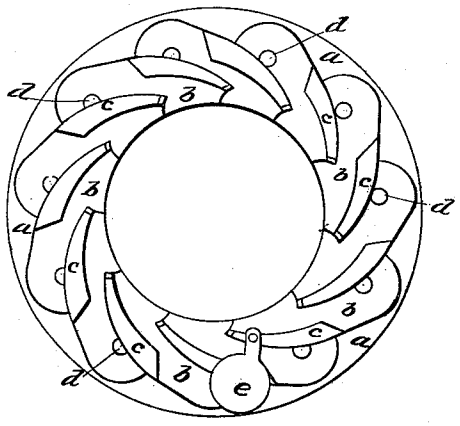


Fig. 3.

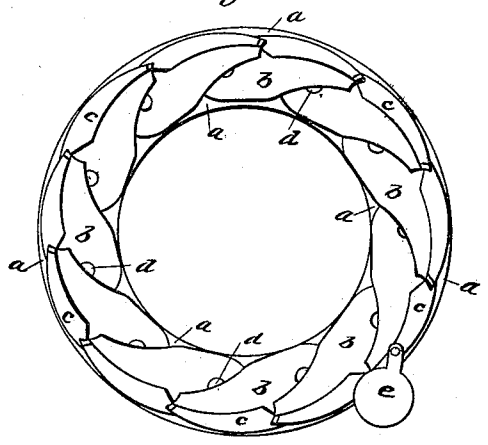
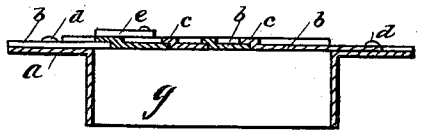


Fig. 4.



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GEORGE W. COOK, OF CHICAGO, ILLINOIS, ASSIGNOR TO JAMES F. TENNEY, JOHN H. REESE, AND MARTIN D. STECHER, OF SAME PLACE.

STOVE-PIPE THIMBLE.

SPECIFICATION forming part of Letters Patent No. 230,923, dated August 10, 1880.

Application filed February 3, 1880.

To all whom it may concern:

Be it known that I, GEORGE W. COOK, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement Combining a Stove-Pipe Thimble, Collar, and Flue-Cover, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings and letters of reference marked thereon, in which—

Figure 1 is a plan view as adjusted for a flue-cover; Fig. 2, plan view as a collar adjusted for a five-inch pipe; Fig. 3, plan view as a collar adjusted for a six-inch pipe; Fig. 4, section through Fig. 1 at the line *x x*, showing thimble.

The object of my invention is to provide the stove-pipe receptacle of chimneys with a thimble, pipe-collar, and flue-cover, all combined and permanently attached to a chimney, so arranged that it can be either converted into a collar while the pipe is in use, or will form a complete and ornamental cover for the orifice when the pipe is removed, thereby dispensing with the different pieces ordinarily used and the necessary inconvenience attending their use.

I will now describe the construction and operation of my invention as herein presented, where the device is calculated to fit either a five or six inch pipe, and will hereinafter mention a slight modification which may be made where the use of but one size pipe only is determined upon.

The device is constructed of sheet-iron or other metallic substance. Forming the base, upon which I attach my invention, is the flange *a*, projecting about one and three-quarters ($1\frac{3}{4}$) inch from the thimble *g*. (Shown in section, Fig. 4.)

The inner circle of the flange and thimble may vary according to the size of the pipe to be used. Fig. 3 represents a circle of six (6) inches in diameter.

Upon the face of the flange *a*, I place eleven, (11,) more or less, of the narrowing curved plates *b*, on the convex edge of each of which is the raised flange *c*. The plates are all hinged to the flange *a* by means of the rivets *d* passing through the widest end of the plates, as shown in Figs. 1, 2, 3, and 4.

When the flue-cover is formed, as shown in Fig. 1, the small aperture *f* is left in the center, for the introduction of a person's finger to separate the joints and render it convenient to open the cover, the cap *e* being provided and hinged to one of the plates to cover the aperture, as shown by the dotted lines in Fig. 1. The narrow ends of these plates being convex on one edge, and a corresponding concavity being on the other edge, it will readily be seen that by turning these ends all to the center of the circle formed by the flange *a* joints are formed covered by the flange *c*, and thereby the desired flue-cover is produced, as shown in Fig. 1. Now as the cover is formed by turning the plates outward again, letting one lap upon another, until the concave edges project one-half ($\frac{1}{2}$) inch from the inner edge of the flange, we then have a good encircling-joint for a five (5) inch pipe, at the same time an ornamental collar is formed around the pipe, as shown in Fig. 2. Again, by placing all the plates directly over the body of the flange, we have an opening for a six (6) inch pipe formed by the thimble, and still an ornamental collar, as shown in Fig. 3.

As alluded to in the foregoing, where one size pipe only is likely to be used the thimble and inner edge of the collar will form the necessary orifice, so that the joints formed by the plates may radiate from the center of the cover in direct lines, instead of curves, as herein represented.

I claim as my invention—

1. The plates *b*, constructed with the raised flanges *c*, substantially as and for the purposes set forth.

2. The plates *d*, constructed with the flanges *c*, in combination with the cap *e*, substantially as and for the purposes set forth.

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Witnesses:

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