(No Model.)

A. S. CAPPER.

CHIMNEY COWL.

No. 303,918. Patented Aug. 19, 1884.

Fig. 1.

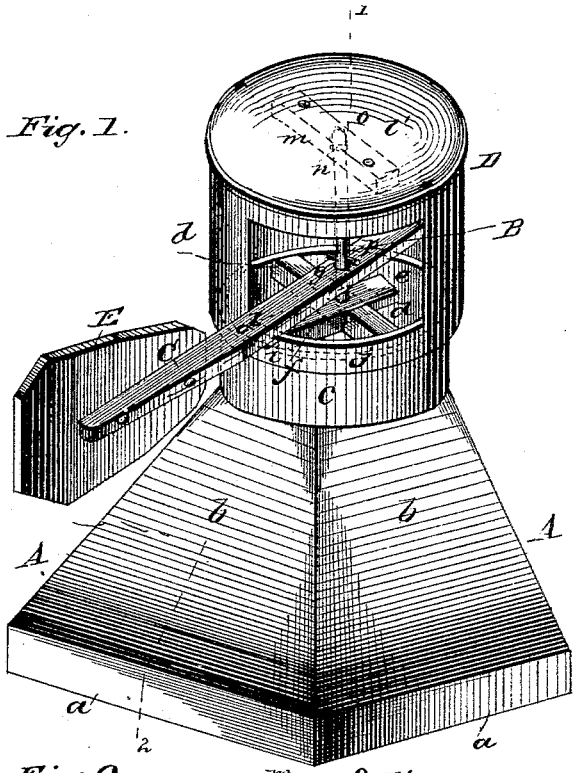
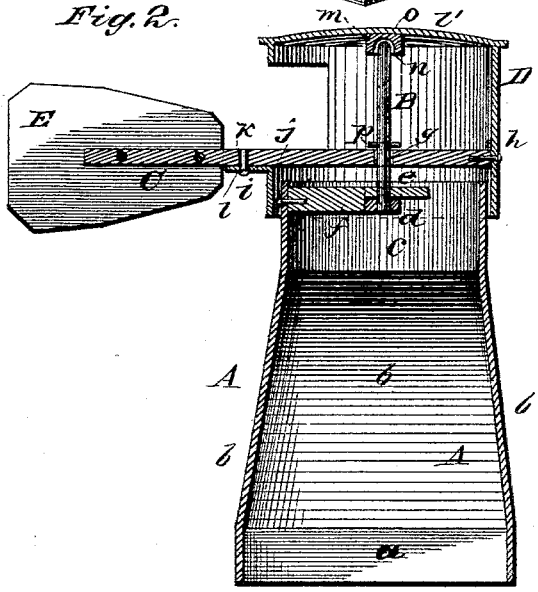


Fig. 2.



WITNESSES

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ABRAM S. CAPPER, OF UDALL, KANSAS.

CHIMNEY-COWL.

SPECIFICATION forming part of Letters Patent No. 303,918, dated August 19, 1884.

Application filed November 9, 1883. (No model.)

To all whom it may concern:

Be it known that I, ABRAM S. CAPPER, of Udall, in the county of Cowley and State of Kansas, United States of America, have invented certain new and useful Improvements in Chimney-Cowls; and I do hereby 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 pertains to make and use the same.

My invention relates to chimney-cowls; and it consists in the improved construction and combination of parts described hereinafter, whereby devices of the character above mentioned are rendered of more simple and durable construction than heretofore, and their general efficiency in operation increased.

In the accompanying drawings, Figure 1 is a perspective view of a chimney-cowl and base constructed in accordance with my invention; and Fig. 2 is a section of the same on the line 1 2, Fig. 1.

The base A of the cowl consists of a square bottom flange, *a*, adapted to embrace the top of the chimney proper, and a main body portion, *b*, tapering toward its top, where it terminates in a circular neck, *c*. Within and diametrically across the neck *c* is secured a cross-bar, *d*. The cross-bar *d* is recessed or cut away at its center to receive the rabbeted end *e* of a bar, *f*, which extends at right angles from the bar *d* and passes only partly across the diameter of the neck, the end opposite to that which is rabbeted bearing against the side of the neck, and being secured in position by means of a pin or rivet passing through the neck into the said end. The upper face of the bar *f* is flush with that of the cross-bar *d*. At the point where the bar *f* intersects the cross-bar *d* a vertical rod, B, is secured, which passes through a perforation, *g*, therefor in a bar, C, arranged diametrically across a turret-cap, D, one end of said bar bearing against the side *h* of the turret-cap, where it is secured by a pin passing through said side and entering said end, while the other end of said bar C passes through a square opening in the side of the turret-cap D, and projects for a considerable distance from said cap. A bracket-arm, *i*, projects horizontally from the lower edge, *j*, of the turret-opening, and supports the bar C centrally on its under side, said bracket being provided with a perforation, *k*, through which a pin or rivet, *l*, passes, to rigidly secure the said bar C. On one of the side faces of the projecting portion of the bar C is secured a blade, E, preferably of the form illustrated in the drawings. Centrally to the inner side of the top *l'* of the turret-cap D is secured a bearing-block or iron thimble, *m*, having a recess, *n*, in which bears the rounded extremity *o* of the vertical rod B. A key, *p*, passes through a perforation in the vertical rod B, above the bar C, and prevents the vertical withdrawal of the turret-cap from the pin B. The turret-cap is of much larger diameter than the neck *c* of the base, and is hence free to revolve on the rod B without frictional contact with the said neck.

The operation of the device is well understood from the description of its parts. The wind or storm causes the blade E to always maintain the closed side of the cap to the brunt of the same, while the opening of the turret-cap is in a direction to insure proper draft without liability of the wind or rain beating down the chimney.

The base and turret-cap may be constructed of sheet or malleable metal, so as to present a neat and sightly appearance, and at the same time be firm and durable.

The arrangement of the arms *d f* in the neck not only affords a base for the vertical rod B, but internally re-enforce said neck, and by their peculiar connection accidental displacement of either is prevented.

By arranging and securing the bar C to the inner side of the turret-cap D and to the bracket *i*, the said cap subserves the office of both a diametrical brace for the turret-cap and a support for the blade E.

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

The combination, with the base and tapering body portion, of the circular neck, the crossed bars *d* and *f*, secured within said neck and supporting a vertical rod, upon which the turret rests and revolves, a bar, C, rigidly secured to the turret and extending across the interior of the latter, and a blade, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

ABRAM S. CAPPER.

Witnesses:
L. D. ZENOR,
JNO. D. PRYOR.