

J. D. KENNARD.  
Chimney-Top Ventilators.

No. 152,647.

Patented June 30, 1874.

Fig. 1.

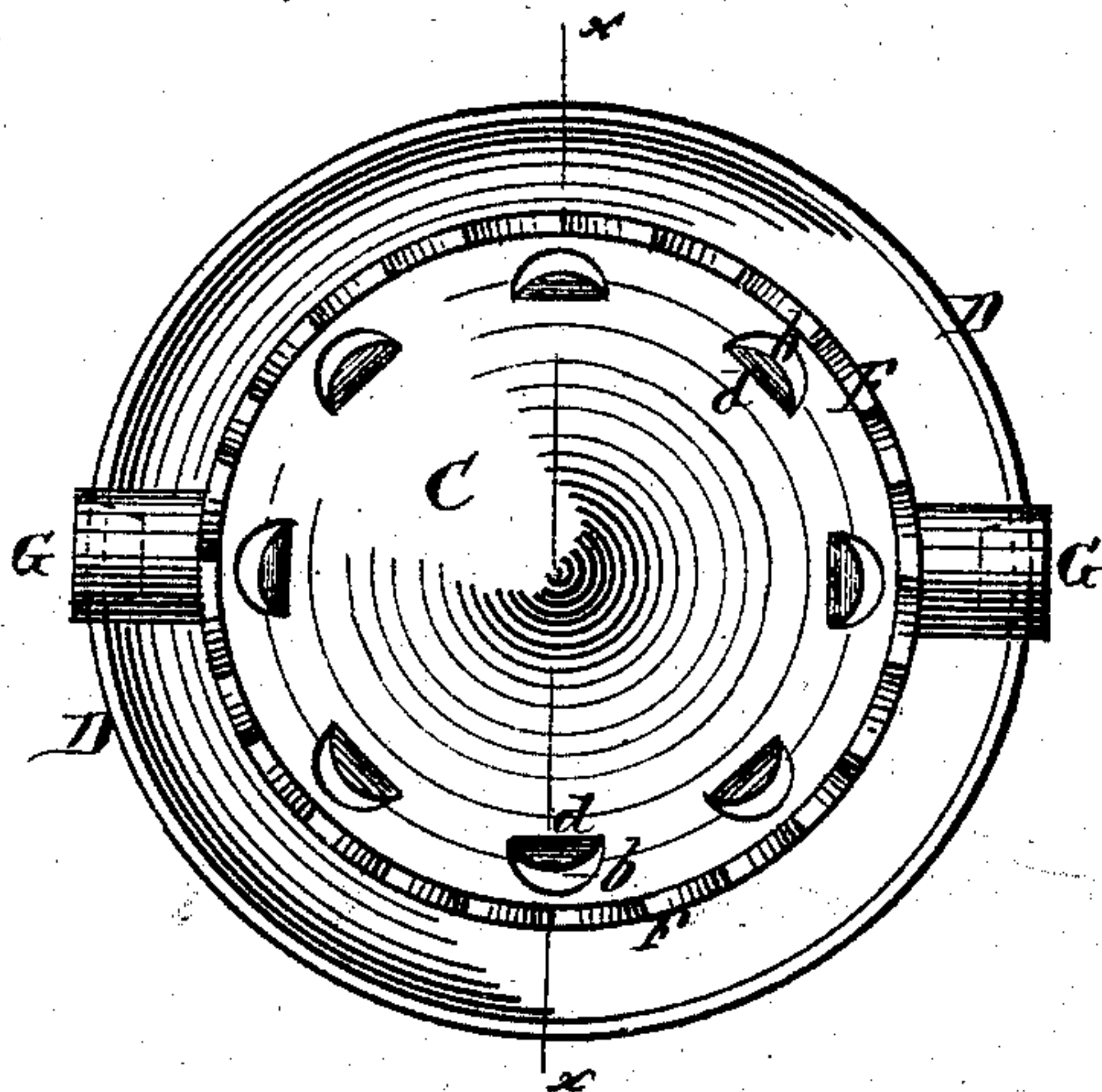
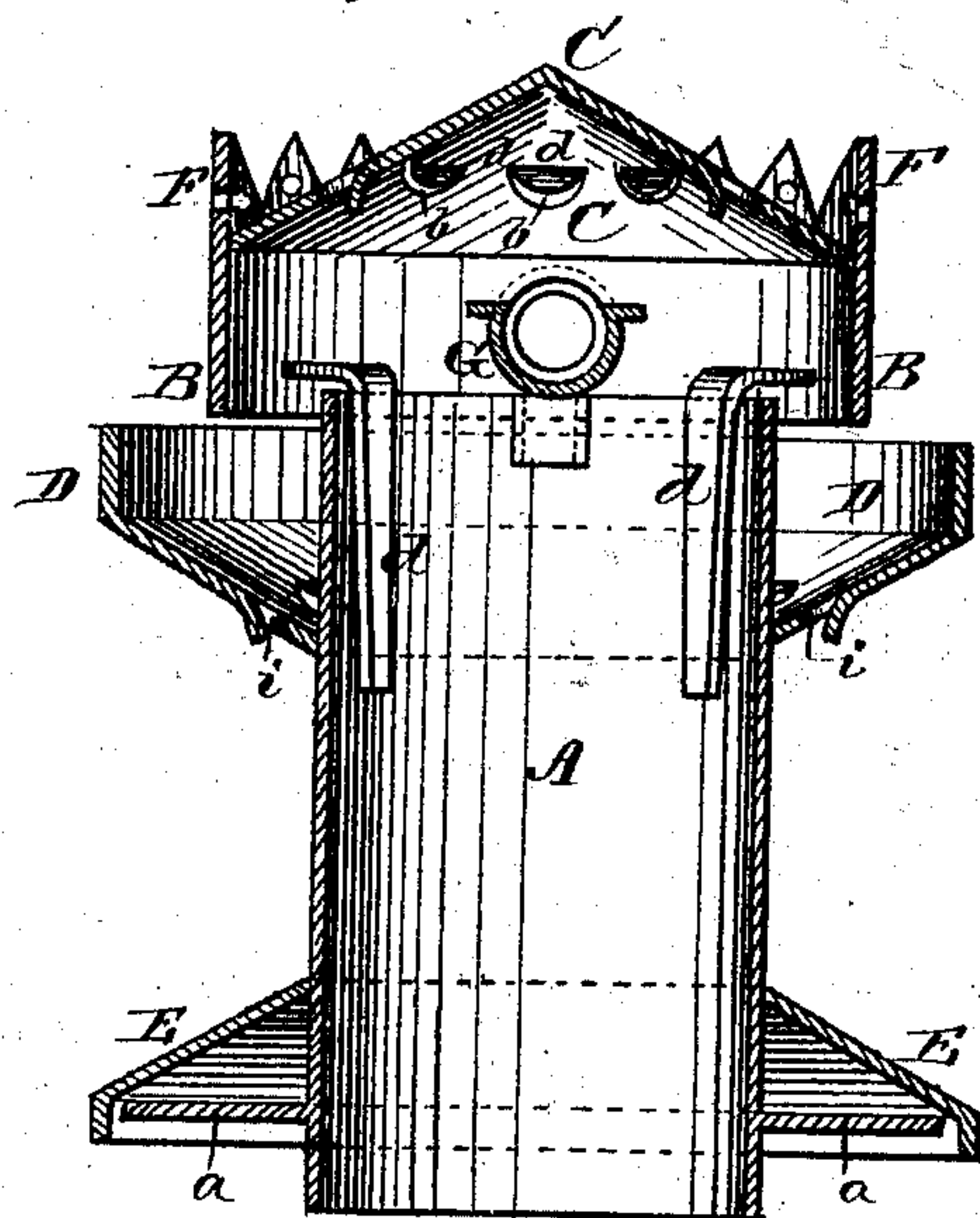


Fig. 2.



WITNESSES.

P. C. Ditterich  
H. C. Scott.

INVENTOR.

Jesse D. Kennard

per  
C. H. Watson & Co.  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

JESSE D. KENNARD, OF BARNESVILLE, OHIO.

## IMPROVEMENT IN CHIMNEY-TOP VENTILATORS.

Specification forming part of Letters Patent No. **152,647**, dated June 30, 1874; application filed June 1, 1874.

*To all whom it may concern:*

Be it known that I, JESSE D. KENNARD, of Barnesville, in the county of Belmont and State of Ohio, have invented certain new and useful Improvements in Chimney-Top Ventilator; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to certain improvements on a chimney-top already patented by me, as will be hereinafter more fully set forth.

In the accompanying drawing, Figure 1 is a plan view of a chimney-top embodying my invention; and Fig. 2 is a vertical section of the same through the line *x x*, Fig. 1.

The chimney-top, as heretofore patented by me, consists of a tube, A, with flanges *a a* and apron E around the lower end; a cup, D, with openings *i i* around the upper part of the tube; and a conical cap, C, with downward-projecting circumferential band B, supported by arms *d d* above the upper end of the tube.

My present improvements consist in a crown-band, F, which is secured or riveted to the conical cap C at the outer edge, sitting upright, so as to gather the wind in the right direction, increase the draft, and retain the sparks.

In the lower edge of the cap C are holes *b b*, cut half out, and the metal pieces *d* punched and bent down inside, so as to form guards for said holes to retain the sparks, and also to

increase the draft by throwing the wind out near the band B, and not allowing the wind to enter the pipe from any direction, making an improvement upon this class of devices where the lips are bent outward and allow the sparks to pass outside of the dome. Through the band B are inserted one or more half-round tubes or troughs, G, of any suitable size, open at the top. This tube or these tubes allow a current of air to pass through and increase the draft, which is of great benefit in locomotive-engines.

Where this chimney-top is used on buildings, it ventilates the apartments through which the flues enter when the fire is out of the flues and chimney.

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

1. In a chimney-top ventilator, the cap C, perforated at *b*, and having lips *d* bent inward and downward, in combination with the band F, substantially as and for the purpose set forth.

2. The band F and cap C, constructed as described, in combination with the open-top pipe G, cup D, perforated at *i*, and the tube A, substantially as and for the purpose specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JESSE D. KENNARD.

Witnesses:

B. W. KELCH,  
B. C. CARRACI.