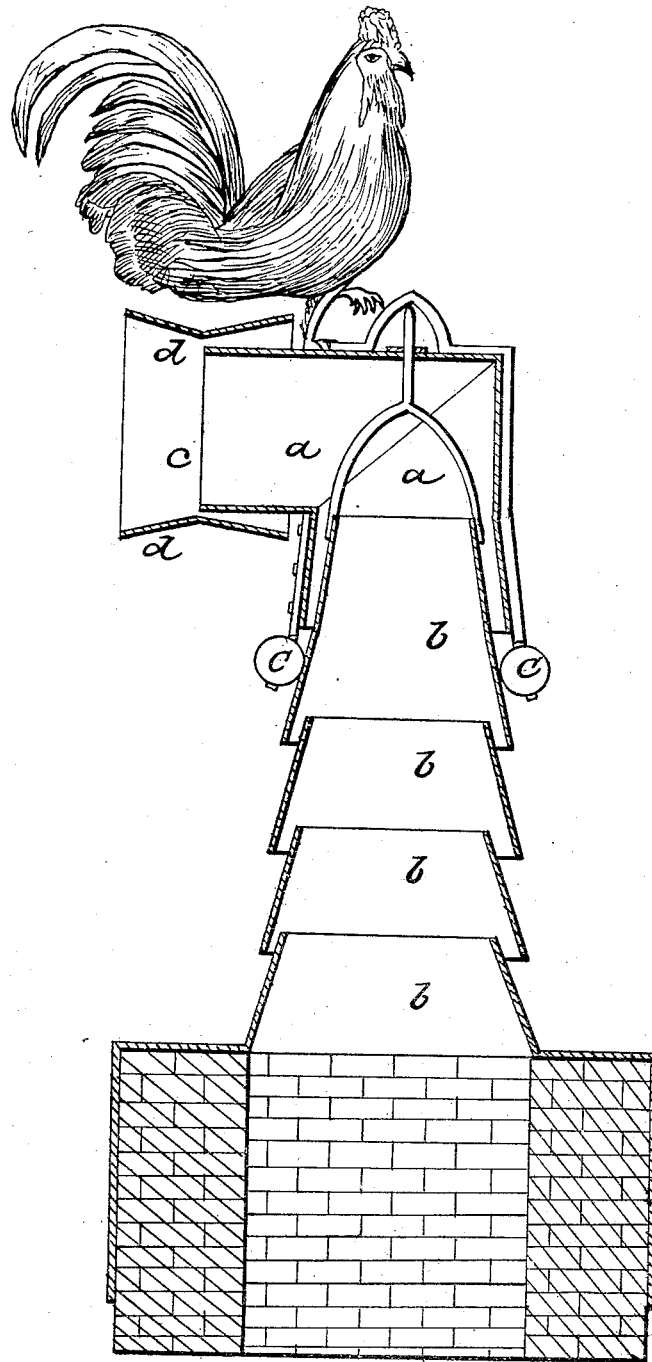


B. KENNEY.  
Chimney Cap.

No. 1,257.

Patented July 22, 1839.



# UNITED STATES PATENT OFFICE.

BERNARD KENNEY, OF NORTHFIELD, MASSACHUSETTS.

MANNER OF CONSTRUCTING CHIMNEY-CAPS FOR THE CURE OF SMOKY CHIMNEYS.

Specification of Letters Patent No. 1,257, dated July 22, 1839.

*To all whom it may concern:*

Be it known that I, BERNARD KENNEY, of Northfield, in the county of Franklin and State of Massachusetts, have invented an  
5 Improved Mode of Constructing Revolving Caps for Chimneys; and I do hereby declare that the following is a full and exact description thereof.

The nature of my invention consists in  
10 combining with a revolving cap, a number of apertures surrounding the tunnel, through which openings air is to enter from without, by the action of the wind, to assist the draft in carrying off the smoke, said  
15 apertures being constructed and operating in the manner of blinds, the slats of which overlap one above the other, leaving a space for the passage of air between them.

The accompanying drawing is a vertical  
20 section of my chimney cap through its center.

*a, a, a,* is the revolving cap which has a vane upon it to cause it to be turned by the wind in the usual manner.

25 *b, b, b,* are the metallic rims which in their combination with each other constitute the tunnel of the cap below the revolving portion of it. These rims are made in the form of frustums of cones, which pass  
30 into each other, and are connected and sustained by stays so as to leave an air passage between them. The revolving cap, also, is made flaring at its lower end so as to admit of a similar space between it and  
35 the upper rim around which it turns; it has three or more friction wheels *c, c,* revolving on rods attached to it and bearing upon the

upper rim, to steady it in its revolution. The mouth *e,* of the revolving cap is also surrounded by a rim *d, d,* which flares out  
40 toward each of its ends, as shown in the drawing. It is at a sufficient distance from the mouth of the cap to allow of a passage for air between them. The cap, thus constructed, is to be placed on the top of a  
45 chimney in the ordinary manner.

Having thus fully described the manner of constructing my chimney cap, what I claim therein as of my invention, and desire  
50 to secure by Letters Patent, is

1. The combining of the revolving cap with the tunnel below it, constructed so as to leave apertures for the passage of wind, and operating in the manner set forth.

2. I also claim, as constituting a part of  
55 the same combination, the rim *d, d,* surrounding the mouth of the tunnel, and coöperating with the air passages above described, in increasing the draft.

It is to be understood that I do not claim  
60 to be the inventor of the revolving cap, nor do I claim to be the first who has surrounded the upper end of the tunnel of a chimney with openings formed by overlapping slats, but the combination of such openings with a  
65 revolving cap, constructed and operating as herein set forth is, to the best of my knowledge and belief, new, and has been first applied by me.

BERNARD KENNEY.

Witnesses:

THOS. P. JONES,  
C. H. WILTBERGER.