

(No Model.)

J. JEDLICKA, Sr.
CHIMNEY VENTILATOR OR COWL.

No. 555,448.

Patented Feb. 25, 1896.

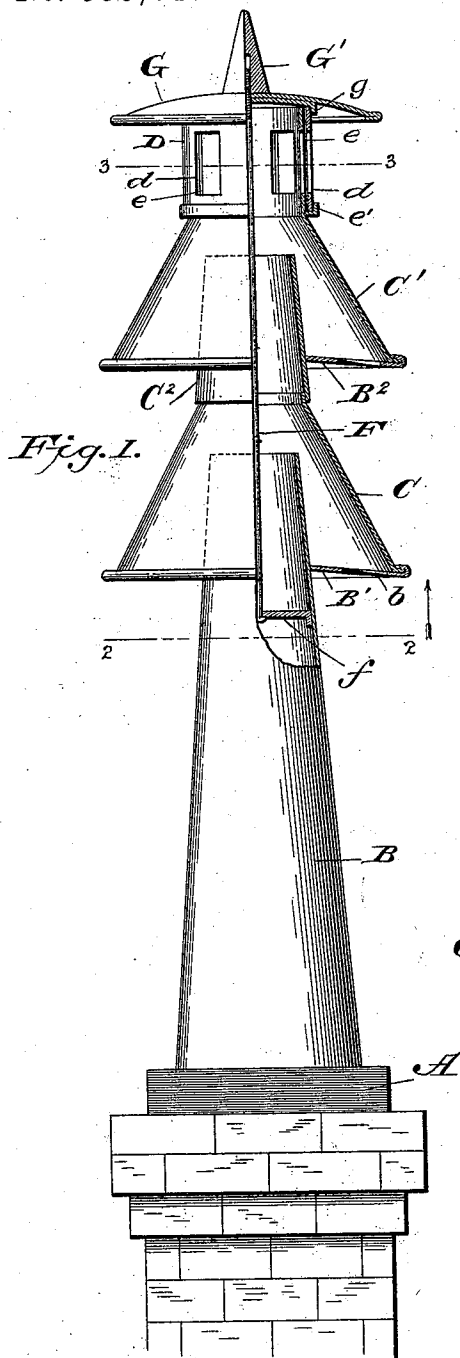


Fig. 2.

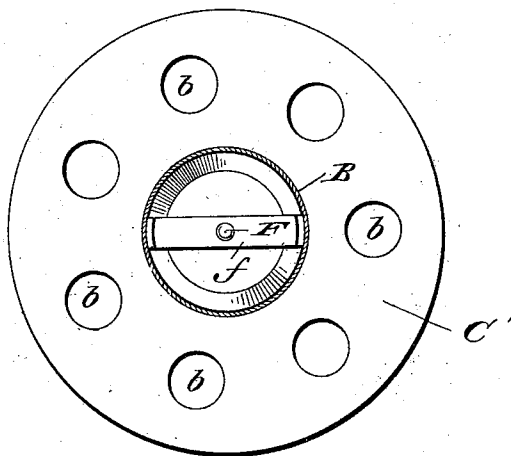
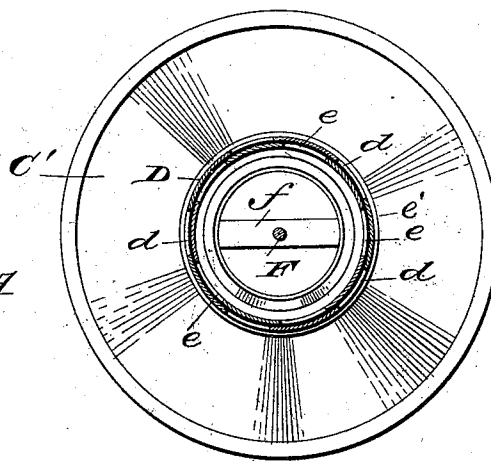


Fig. 3.



Joseph Jedlicka, Sr.,
INVENTOR.

WITNESSES
G. S. Elliott.
W. M. Johnson.

by 

Attorney

UNITED STATES PATENT OFFICE.

JOSEPH JEDLICKA, SR., OF SAYVILLE, NEW YORK.

CHIMNEY VENTILATOR OR COWL.

SPECIFICATION forming part of Letters Patent No. 555,448, dated February 25, 1896.

Application filed March 7, 1895. Serial No. 540,888. (No model.)

to all whom it may concern:

Be it known that I, JOSEPH JEDLICKA, Sr., a citizen of the United States of America, residing at Sayville, in the county of Suffolk and State of New York, have invented certain new and useful Improvements in Chimney Ventilators or Cows; 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 appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of this invention is to provide a ventilator or cowl which is neat and ornamental and so constructed as to induce an updraft in the chimney, the upper part of the device having openings and supports for a ring provided with corresponding openings which may be brought on a line with the aforesaid openings to register therewith; and the invention consists in the specific construction and combination of the parts, as will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a side elevation, partly in section. Fig. 2 is a transverse sectional view on the line 2 2 of Fig. 1, and Fig. 3 is a sectional view on the line 3 3 of Fig. 1.

A designates the base portion of the ventilator or cowl, which is of such construction that it can be readily attached to the top of a chimney, and from this base projects a pipe B, tapered as shown. A short distance below the upper end of this pipe is attached a disk B', having an opening through which the pipe passes, and this disk is provided with a concentric series of apertures *b* and has a slight downward inclination from its inner to its outer edge. To the outer edge of this disk is rigidly secured an upwardly-projecting conical section C, the upper end of which extends a short distance above the upper end of the pipe B, and to the upper end of the section C is secured a tapered pipe C², having attached thereto a plate B², similar to the plate B', to which is secured a conical section C'. The conical section C' has secured thereto or formed integral therewith

a cylindrical tube E, which is provided with a series of vertical slots *e*, and at its lower end has an outwardly-projecting annular flange *e'* with an upturned edge, said flange serving as a seat or support for a band or ring D, which is of greater diameter than the tube E and is provided with a series of vertical slots *d*, adapted to register with the slots in the tube.

G designates a suitable cap which is provided on its under side with a depending annular flange *g*, adapted to fit over the outer edge of the upper end of the band or ring D. The cap is held in place by a rod F, which is secured at its lower end to a cross-bar *f*, attached to the pipe B, said rod having a threaded upper end which extends through a central aperture in the cap and receives an ornamental nut G', which screws down upon said cap.

In practice, when the device is attached to a chimney or flue the wind striking against the conical sections will be deflected and an updraft created; but should from any reason a downdraft be formed the smoke will be carried out of the openings in the disks B' and B², as the upper ends of the tapered pipes B and C² are smaller than the openings immediately above the same. In case there is too much draft the ring D can be adjusted to diminish the size of the exit-openings formed by the slots *d* and *e*, or the ring may be turned to cut off said exit-openings, there being a space between the ring D and tube E sufficient for ordinary purposes, and when the ring is placed in this position snow and rain will be prevented from blowing into the cowl. The rod and nut provide means for securely holding the ring in an adjusted position. The ring can be turned to give the proper size of the exit-openings by testing the draft in the usual manner, one way being to hold a candle or lighted piece of paper in the place below and noting the draft, the assistant advising the one on the roof when the ring is properly placed.

I am aware that prior to my invention it has been proposed to provide a chimney with a ventilator-cowl made up of several conical sections secured in position so as to be held one above the other, and I therefore do not claim such construction broadly; but

What I do claim as new, and desire to secure by Letters Patent, is—

1. The combination, in a chimney ventilator or cowl, of the tapered pipe B; conical section C having a tapered pipe C² attached to its upper end and an apertured disk B' to its lower end, the disk being secured to the pipe B below its upper end and having a central opening through which said pipe passes; and a conical section C' having a cylindrical tube E on its upper end, with an annular flange e' and vertical slots or openings e, and an apertured disk B² attached to its lower end, said disk being secured to the pipe C² below its upper end; together with a vertically-slotted ring or band D, cap G, and means for connecting the parts, substantially as shown and for the purpose set forth.

2. The combination, in a chimney ventilator or cowl, of the tapered pipe B; conical section C having a tapered pipe C² attached to its upper end and an apertured disk B' to

its lower end, the disk being secured to the pipe B below the upper end thereof and having a central opening through which said pipe passes; and a conical section C' having a vertically-slotted tube E on its upper end, flange e' and an apertured disk B² secured to its lower end, said disk being attached to the pipe C² below its upper end; together with a vertically-slotted ring or band D resting upon the flange e'; a cap G fitting over the upper end of the ring or band; a rod F having a threaded end which passes through the cap, and an ornamental nut G' screwed upon the upper end of the rod, substantially as shown and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH JEDLICKA, SR.

Witnesses:

MATTHEW KAVSHICK,

JOSEPH JEDLICKA, JR.