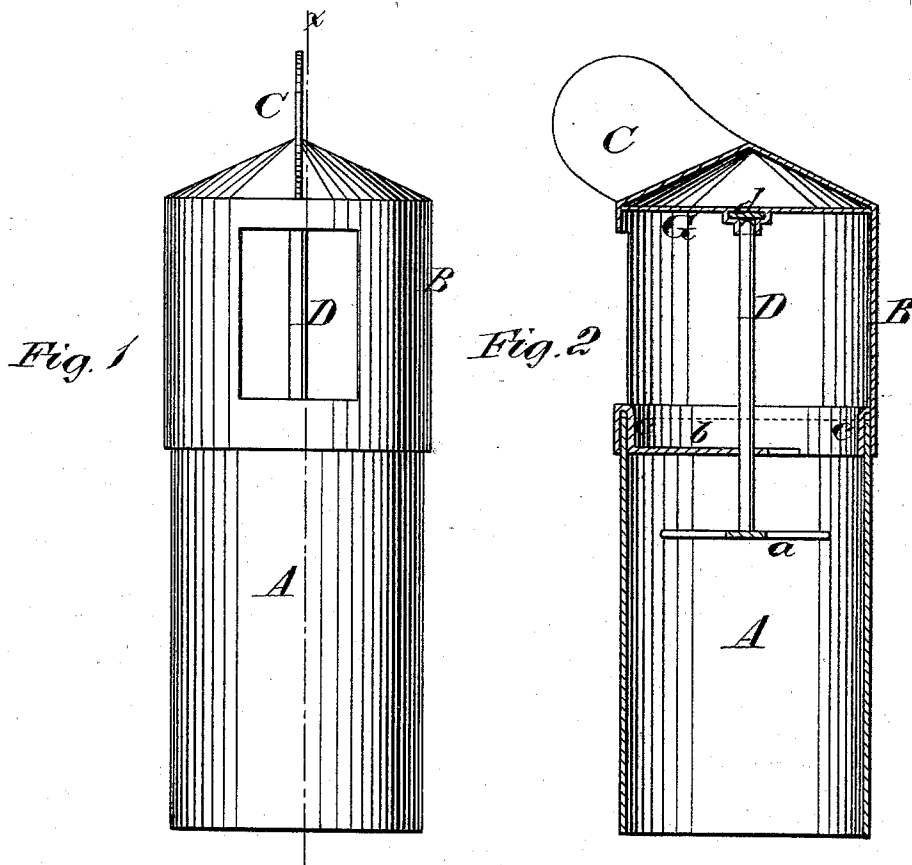


P. J. DAMBACH.

CHIMNEY-COWL.

No. 178,119.

Patented May 30, 1876.



WITNESSES

Mc. J. Utley.
George E. Upham.

INVENTOR,

Philip J. Dambach.
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ATTORNEYS

UNITED STATES PATENT OFFICE.

PHILIP J. DAMBACH, OF SHAWNEE, OHIO, ASSIGNOR OF ONE-THIRD HIS
RIGHT TO EDWARD D. CAIN, OF SAME PLACE.

IMPROVEMENT IN CHIMNEY-COWLS.

Specification forming part of Letters Patent No. **178,119**, dated May 30, 1876; application filed
April 15, 1876.

To all whom it may concern:

Be it known that I, PHILIP J. DAMBACH, of Shawnee, in the county of Perry, and State of Ohio, have invented a new and valuable Improvement in Chimney-Cowl; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a front view of my chimney-cowl; and Fig. 2 is a longitudinal vertical sectional view of the same.

This invention has relation to chimney-cowls; and the nature of my invention consists in a horizontally-rotating cowl, the base of which is composed of double walls, forming an annular recess for receiving the upper edge of the tubular stationary portion of the cowl and excluding water from the interior thereof, as will be hereinafter explained.

In the annexed drawings, A designates the cylindrical stationary portion of my improved chimney-ventilator, and B is the horizontal rotating cowl having a rudder-vane, C, on top arranged centrally over an opening from which the smoke escapes. D designates a rod, which rises from a spider, *a*, fixed to the cylinder A, and passes centrally through a spider, *b*,

which is secured to the lower portion of the cowl. The cowl is sustained by a jewel, *d*, upon the point of the rod D, which jewel is secured to a plate, G.

Inside of the cowl D, and permanently secured to the same, is a flange, *e*, which, with the lower portion of the cowl, forms an annular channel that loosely receives the upper edge of the stationary portion A, as shown in Fig. 2.

This will effectually exclude water from the interior of the chimney top; at the same time allow the cowl to turn freely about its vertical axis.

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

The stationary part A, provided with the spider *a*, and rod D, in combination with the revolving part B, having a flange, *e*, forming a groove at its lower end, closed at its top, and provided with an opening in its side, vane C, and journal-bearing *d*, on plate G, substantially as described, and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

PHILIP J. DAMBACH.

Witnesses:

WM. STOFFER,
E. P. ABBOT.