

G. MILLARD.
Chimney Cowl.

No. 28,291.

Patented May 15, 1860.

Fig. 1.

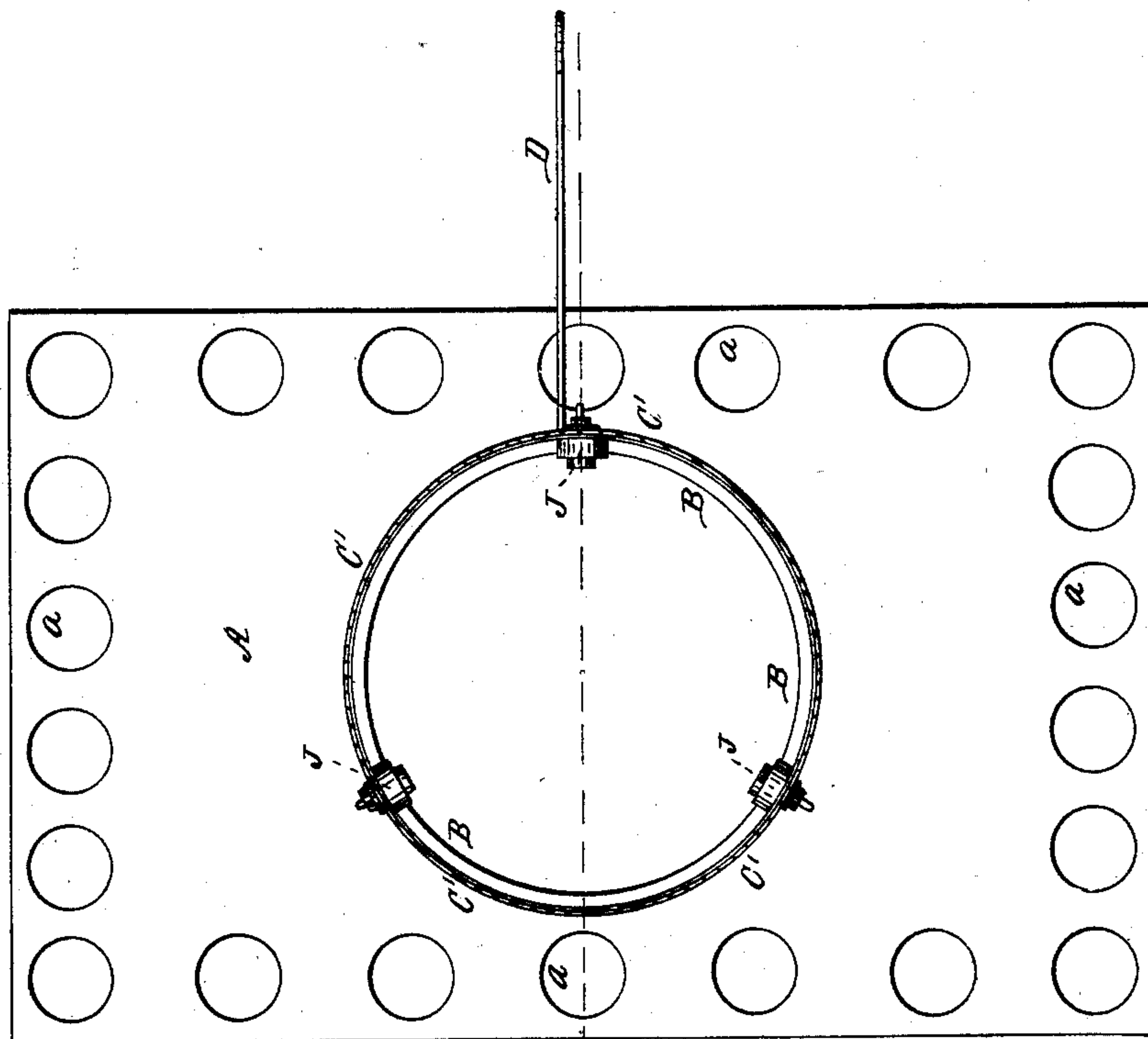
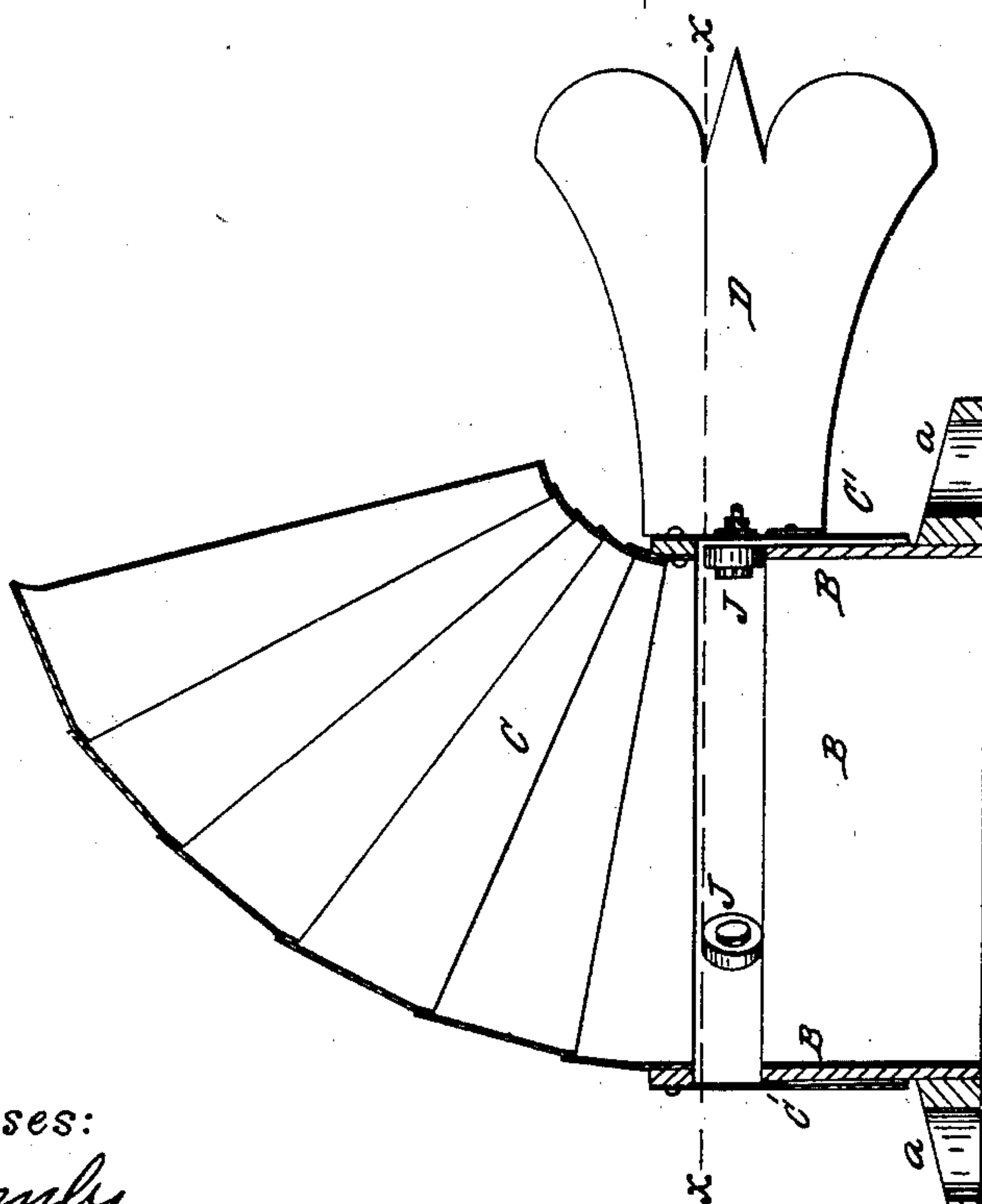


Fig. 2.



Witnesses:

J. W. Corvally
N. H. Lusch

Inventor:

Geo Millard
per Muny & Co
Attorneys

UNITED STATES PATENT OFFICE.

GEORGE MILLARD, OF WATERBURY, CONNECTICUT.

CHIMNEY-COWL.

Specification of Letters Patent No. 28,291, dated May 15, 1860.

To all whom it may concern:

Be it known that I, GEORGE MILLARD, of Waterbury, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Chimney-Cowls; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a sectional plan view, showing the rollers projecting from the cap and the sleeve projecting from the board for holding the parts to the top of the chimney—the section being taken through Fig. 2, as indicated by the red line X X, thereon. Fig. 2 is a vertical cross section, showing the construction of the cowl, and the manner of preventing rain, etc. from falling down the chimney flue.

Similar letters of reference indicate corresponding parts both figures.

To enable those skilled in the art to fully understand my invention I will proceed to describe its construction and operation.

In the drawings, A represents a cover or weather board perforated around its edges, as at *a, a*, and of a suitable size and shape to fit the top of the chimney. This board is to be secured to the chimney either by cement or by clamps or spikes driven through the perforations *a*, into the brick work, and then covered with cement so as to make the whole tight and solid. In the middle of this weather board, A, is cut a round hole of any suitable size into which is fitted an annular rim or sleeve, B, which should project above the surface of the weather board, A, some distance, and which should be fitted tightly

at its joint with the weather board. Over the sleeve or flange, B, fits the lower portion of the cowl, C, it being made wider at this portion for this purpose. The cowl is of the usual shape being curved over, as shown by the drawings, and having a wind-vane, D, attached under its mouth, so that the mouth will be always kept opposite to the current of the wind.

J, J, J are three friction rollers, which turn on short shafts fixed to the inside of the vertical portion C', of the cowl. These are placed at equal distances apart, and support the cowl on the edge of the flange, B, as clearly shown by the drawings; they also allow the cowl to revolve freely as the vane, D, is acted upon by the wind, and they are protected from rain and rust by the cowl.

With this simple and cheap arrangement the rain is effectually excluded from the chimney flue; the noise and wearing loose of the parts prevented to a great extent, while the cowl will be as free to revolve as those mounted on a stem. The flue is not obstructed and consequently the cowl is not so liable to gather soot as those of a more complicated construction.

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

The arrangement of the friction rollers J, to run upon the edge of flange B, in combination with the cowl C, C', as and for the purpose herein shown and described.

GEORGE MILLARD.

Witnesses:

H. B. FOWLER,
JOHN W. PAUL.