

W. BROWNELL.
Chimney Cap.

2 Sheets—Sheet 1.

No. 15,726.

Patented Sept. 16, 1856.

Fig. 2.

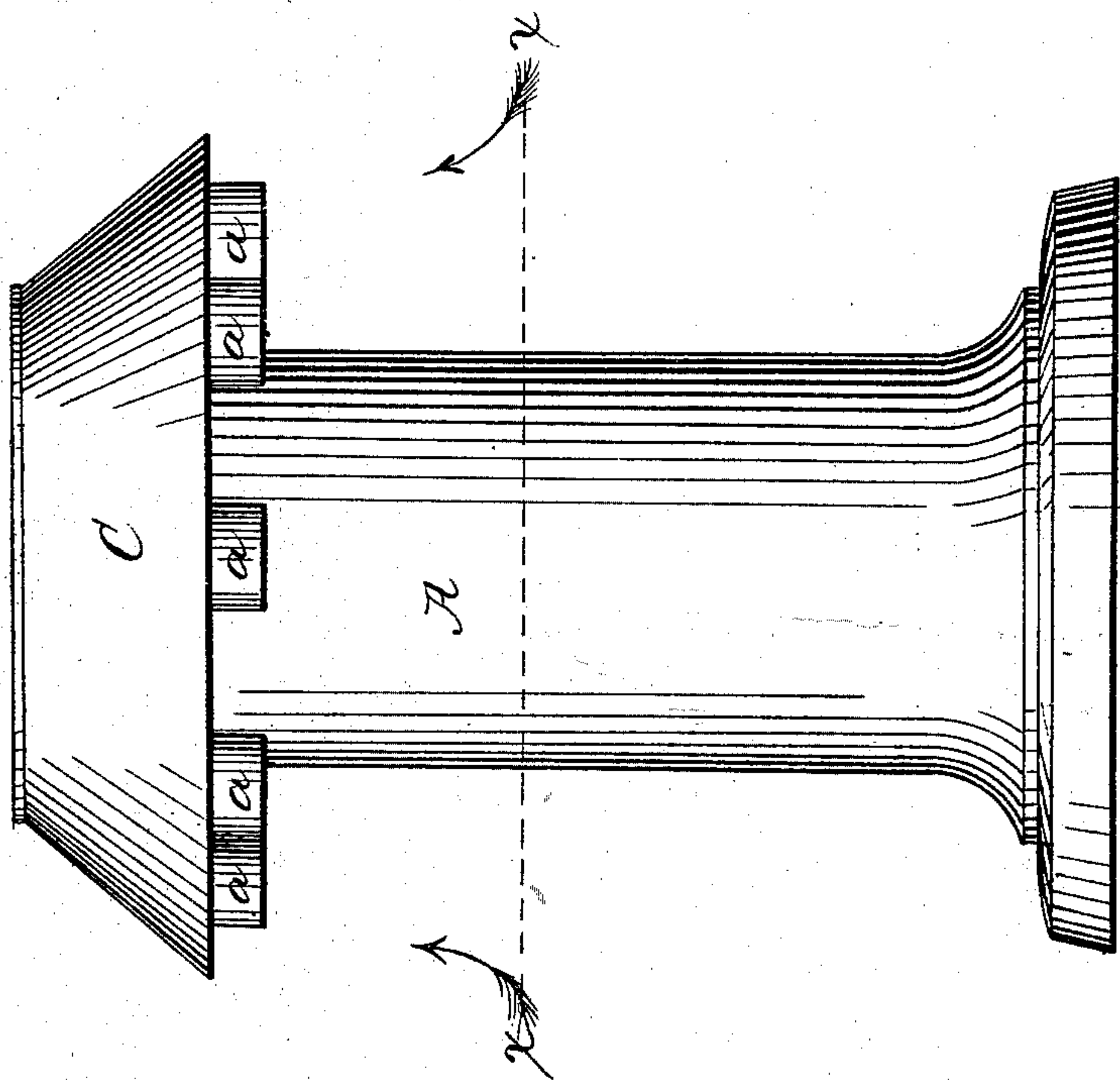
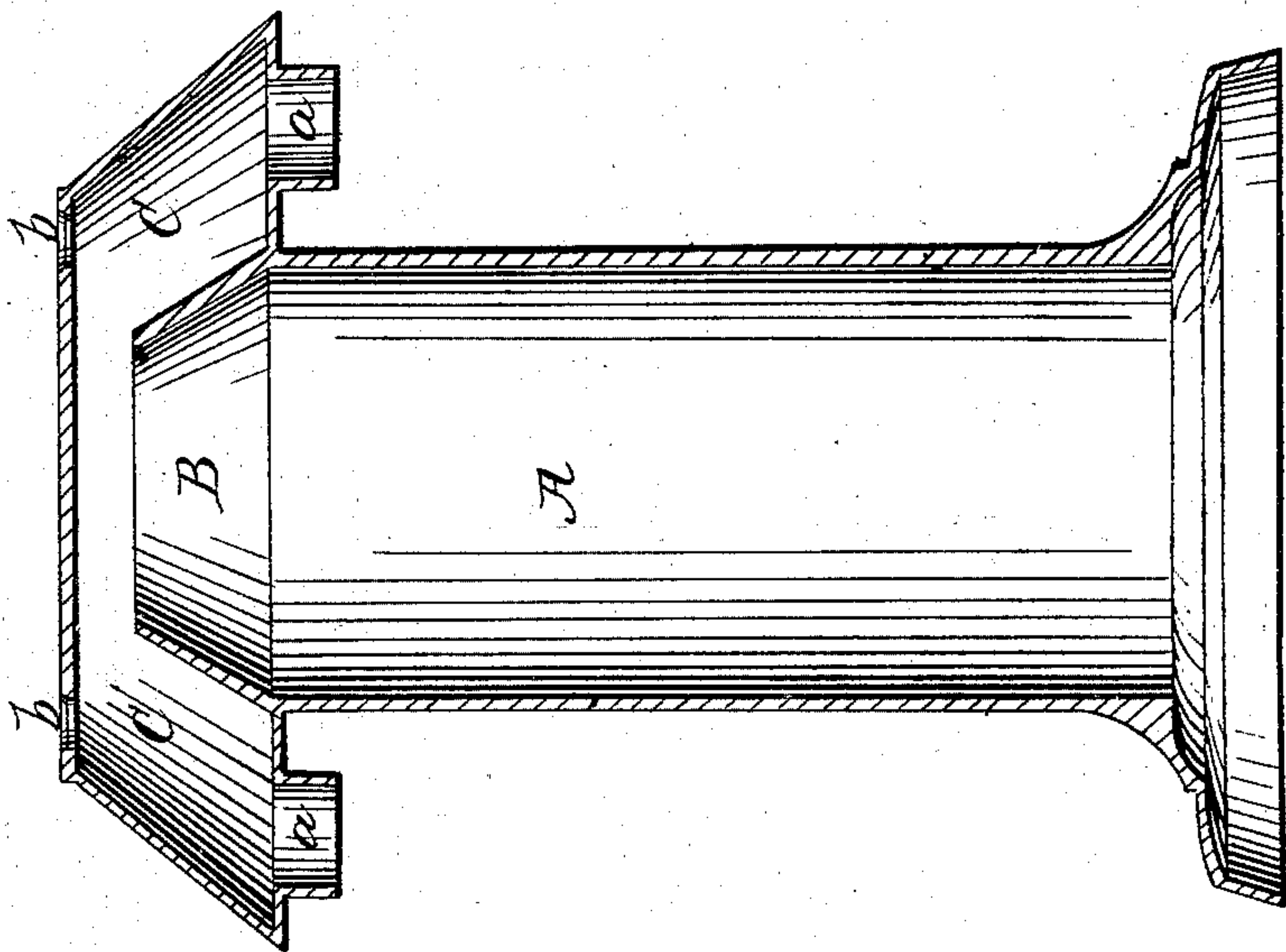


Fig. 1.



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Fig. 4.

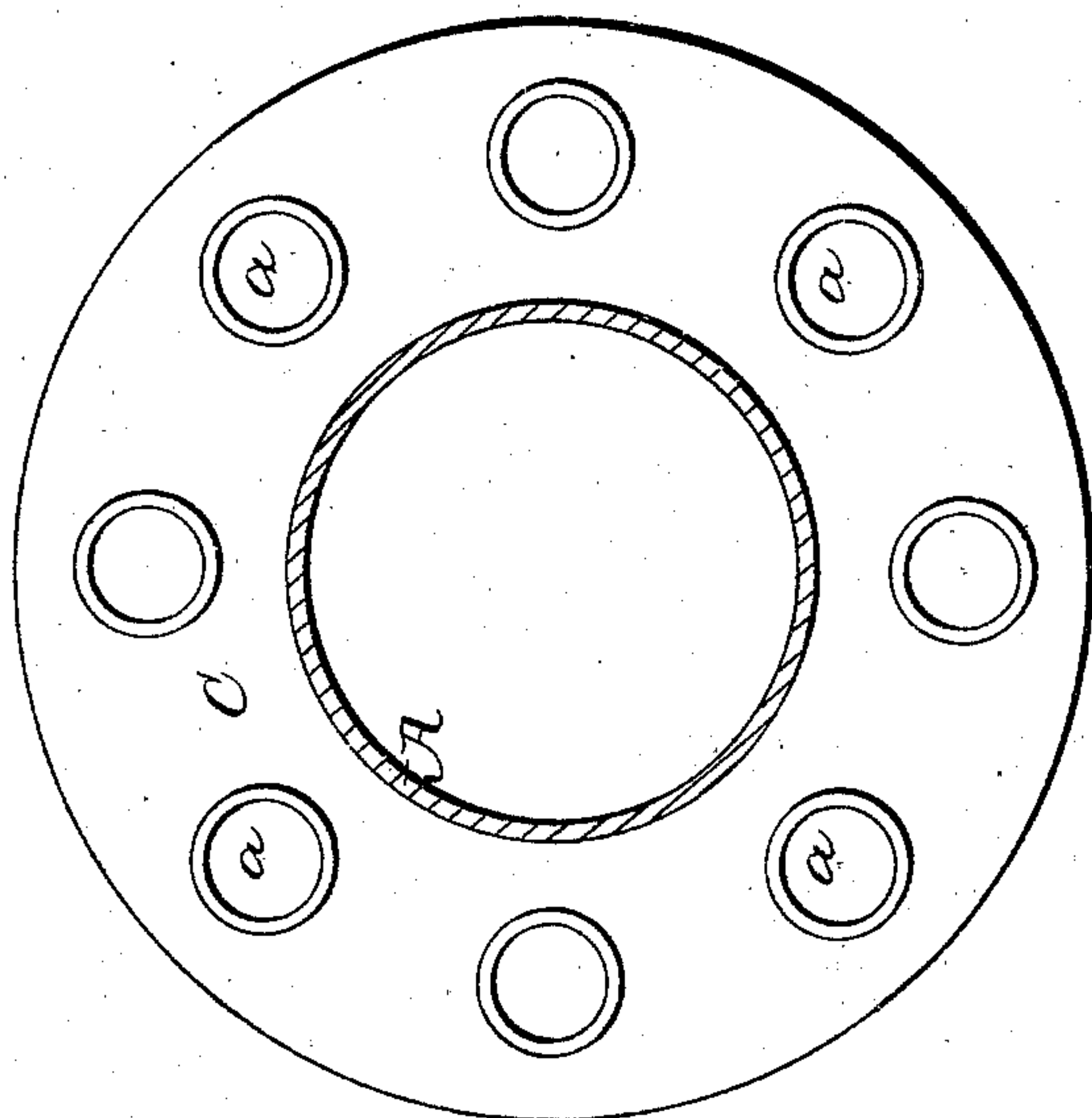
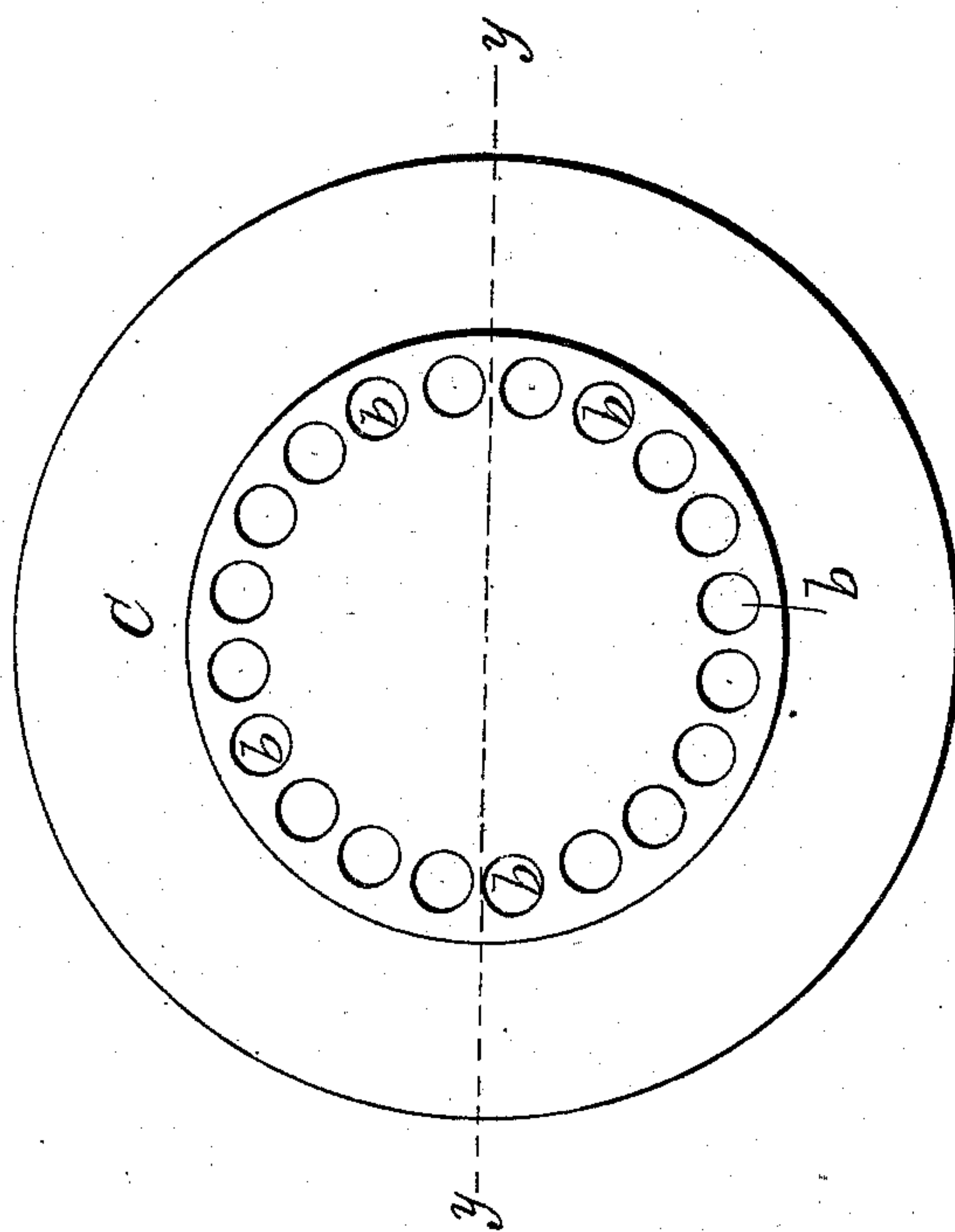


Fig. 3.



UNITED STATES PATENT OFFICE.

W. BROWNELL, OF NEWPORT, RHODE ISLAND.

CHIMNEY-CAP.

Specification of Letters Patent No. 15,726, dated September 16, 1856.

To all whom it may concern:

Be it known that I, WILLIAM BROWNELL, of Newport, in the county of Newport and State of Rhode Island, have invented a new and Improved Ventilator or Ventilating Chimney-Cap; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification, Figure 1 being a vertical section of the ventilator in the line *y, y*, of Fig. 3; Fig. 2, a side elevation thereof; Fig. 3, a top view of the same; Fig. 4, a horizontal section in the line *x, x*, of Fig. 2, looking upward.

Like letters designate corresponding parts in all the figures.

The shaft A, of the ventilator is contracted at the upper end so as to form a conical top B, as shown in Fig. 1. Around this conical portion is situated a cap C, which incloses, and is considerably larger in diameter than, said shaft, thus leaving a considerable space all around the periphery thereof. Directly over the shaft there is a comparatively narrow space, and the top of the cap above mentioned covers its mouth, thus preventing any water falling therein. But near the outer edge of the top of the cap is a series of perforations *b, b*, situated so far outside of the top B that no water can fall through the same

into the shaft of the ventilator. Through the under side also, of the cap, and outside of the shaft, is another series of apertures, or short tubes, *a, a*, through which the air can pass up or down; and which allows any water, coming in through the apertures *b, b*, to escape.

This construction of the cap, and arrangement in respect to the shaft of the ventilator, entirely excludes rain and snow therefrom; and the double series of holes *a, a*, and *b, b*, allow a free motion of the air up or down through the cap, thereby not only preventing any check or eddying of the draft; but also assisting or accelerating it, on account of the well known law of the action of a current of air upon the contiguous air.

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

The herein described construction and arrangement of the ventilator, for the purposes specified.

The above specification of my improved ventilator, or ventilating chimney cap, signed and witnessed this 12th day of July, 1856.

WM. BROWNELL.

Witnesses:

Z. C. ROBBINS,
JOHN S. HOLLINGSHEAD.