No. 620,263. Patented Feb. 28, 1899.

L. E. WENTWORTH, JR.

VENTILATOR.

(Application filed July 11, 1898.)

(No Model.)

FIG 1

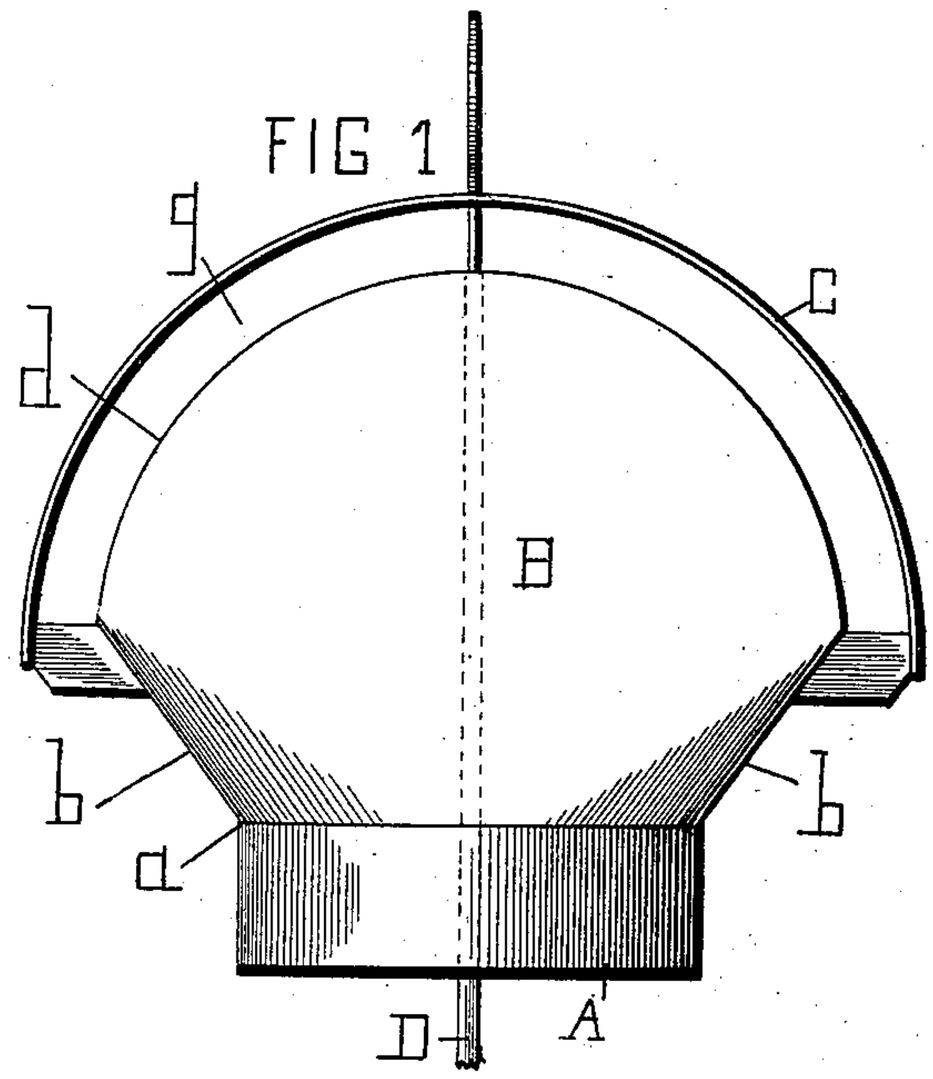


FIG 2

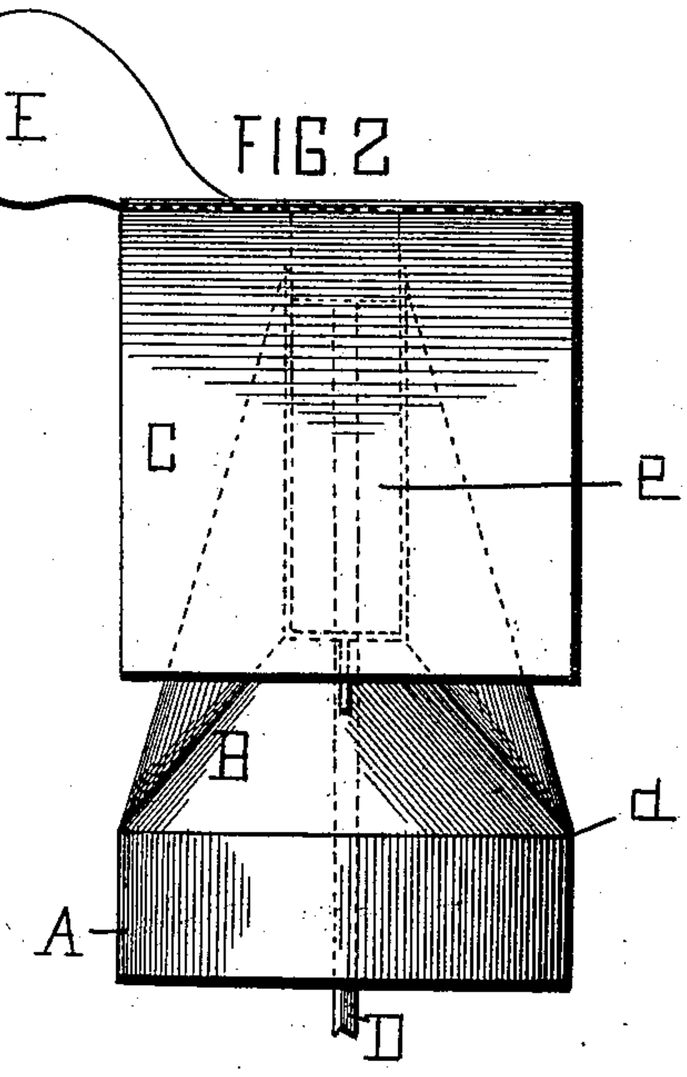


FIG 3

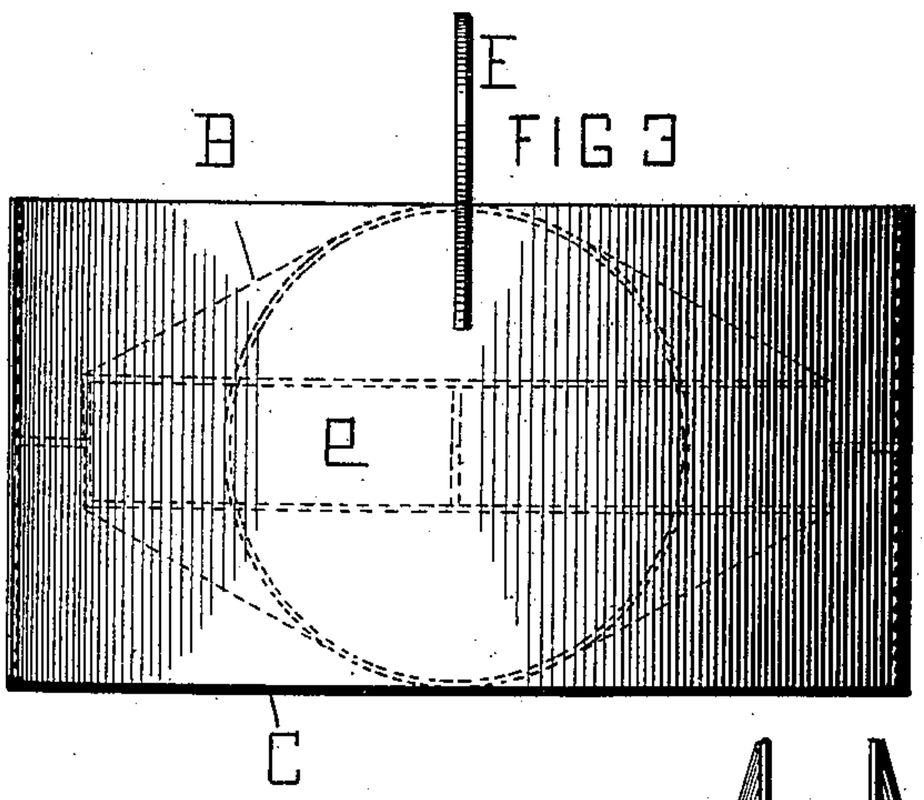


FIG 4

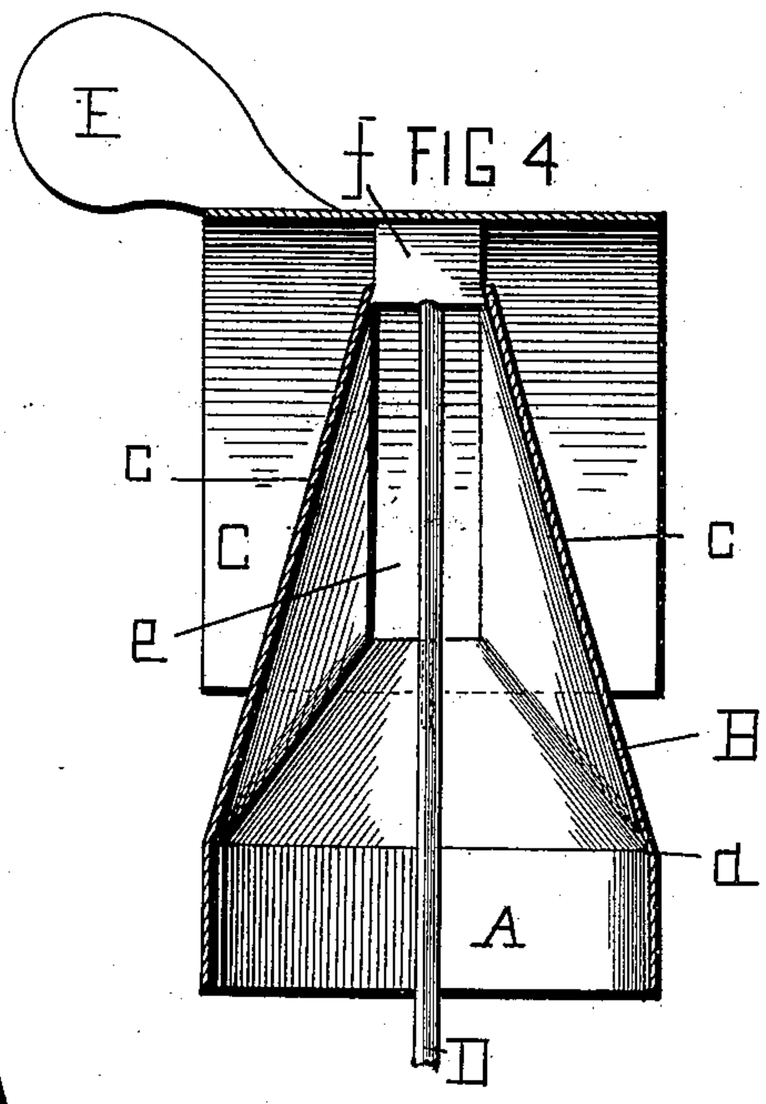
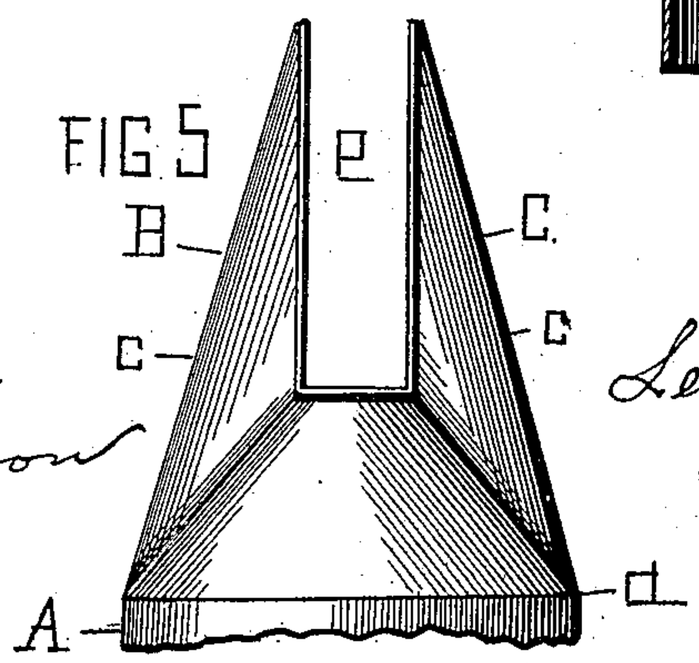


FIG 5



Witnesses—
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James F. Gannon

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Atty.

UNITED STATES PATENT OFFICE.

LEWIS E. WENTWORTH, JR., OF MERCHANTVILLE, NEW JERSEY.

VENTILATOR.

SPECIFICATION forming part of Letters Patent No. 620,263, dated February 28, 1899.

Application filed July 11, 1898. Serial No. 685,717. (No model.)

To all whom it may concern:

Be it known that I, LEWIS E. WENTWORTH, Jr., a citizen of the United States, residing at Merchantville, in the county of Camden and State of New Jersey, have invented a new and useful Ventilator for Chimneys, &c., of which the following is a specification.

A cylinder or base has an extension fitted to the top of it which is outwardly flared and upwardly and inwardly inclined and drawn together and terminated in a curved top, which is slotted or open. A horizontal semicylindrical wind-guide is supported at a suitable distance above the curved top of the extension to provide a blow-through at right angles or across the curved open top of the extension. The ventilator is preferably suspended on a vertical rod to be capable of rotation by currents of air impinging the vane at the top.

On reference to the accompanying sheet of drawings, making part of this specification, Figure 1 is a side elevation, Fig. 2 is an end elevation, Fig. 3 is a top or plan view, Fig. 4 is a transverse section, and Fig. 5 is a side view, of the base and its extension.

Similar letters refer to similar parts in the several views.

A is a cylinder or base.

B is an extension fitted to the top of the cylinder or base at *a*, which is flared or spread outward at *b*, and upwardly and inwardly inclined and drawn together at *c*, and ended in a curved top *d*, slotted or open at *e*. A horizontal semicylindrical wind-guide C is supported at a suitable distance above the curved top *d* of the extension B to provide a blow-through *g* at right angles to the slot *e*.

D is a vertical rod for providing a rotation to the ventilator by air-currents impinging the vane E, and thus keeping the blow-through space *g* in alinement with said air-currents and producing an exhaustion or sucking in the chimney-flue, base A, extension B, and wind-guide or hood C. When the ventilator is to be stationary, the spindle D and supporting-strip *f* can be dispensed with.

I claim—

1. In a ventilator, the combination of a base, a flared upwardly and inwardly extending extension of the base, which is slotted and top-curved, and a semicylindrical wind-guide, as shown.

2. In a ventilator, the combination of a base, a flared upwardly and inwardly extending extension of the base, which is slotted and top-curved, a semicylindrical wind-guide, and a spindle for revolving, as shown.

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

LEWIS E. WENTWORTH, JR.

Witnesses:

FRANCIS D. PASTORIUS,

B. D. ARCHER.