

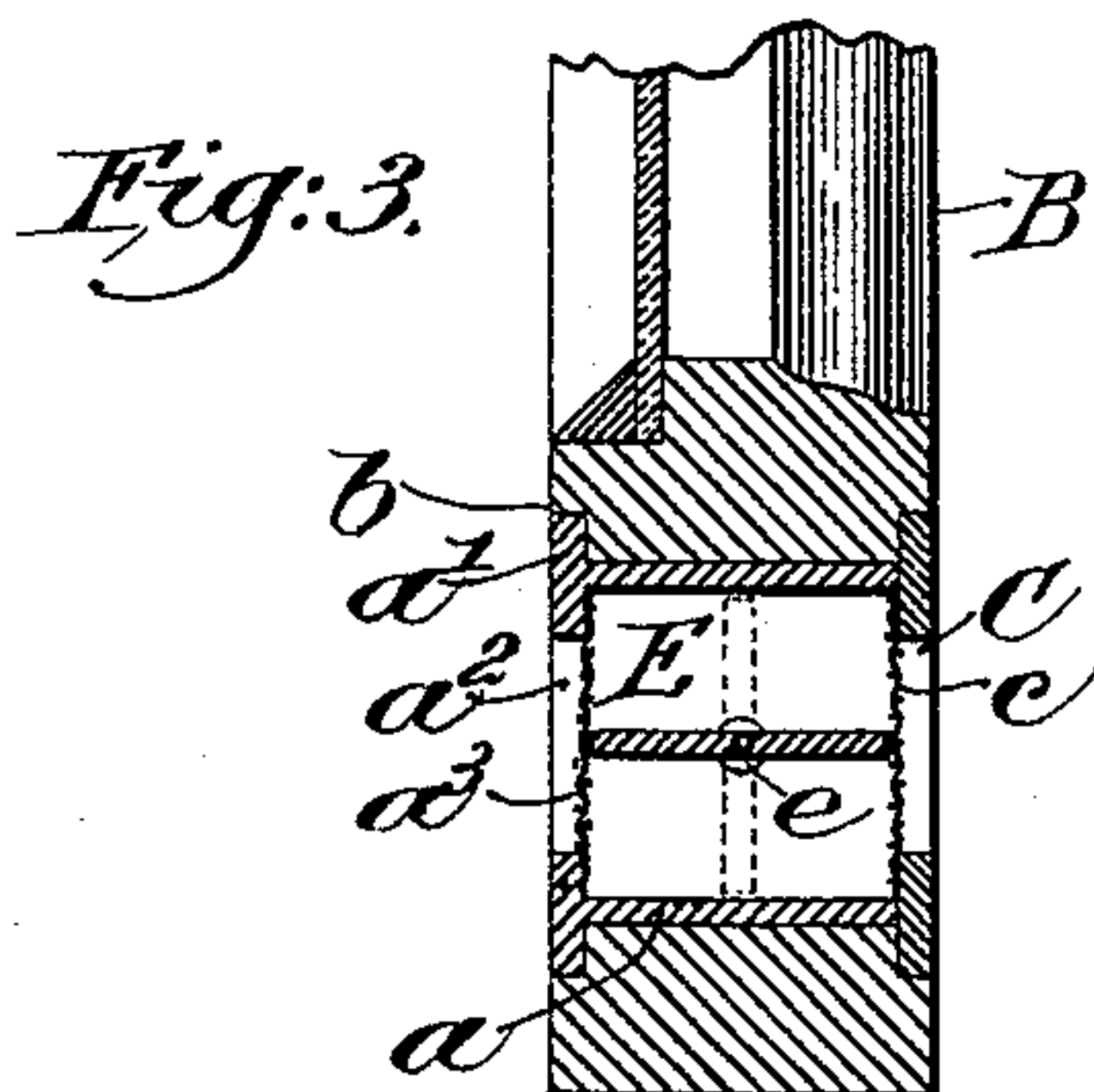
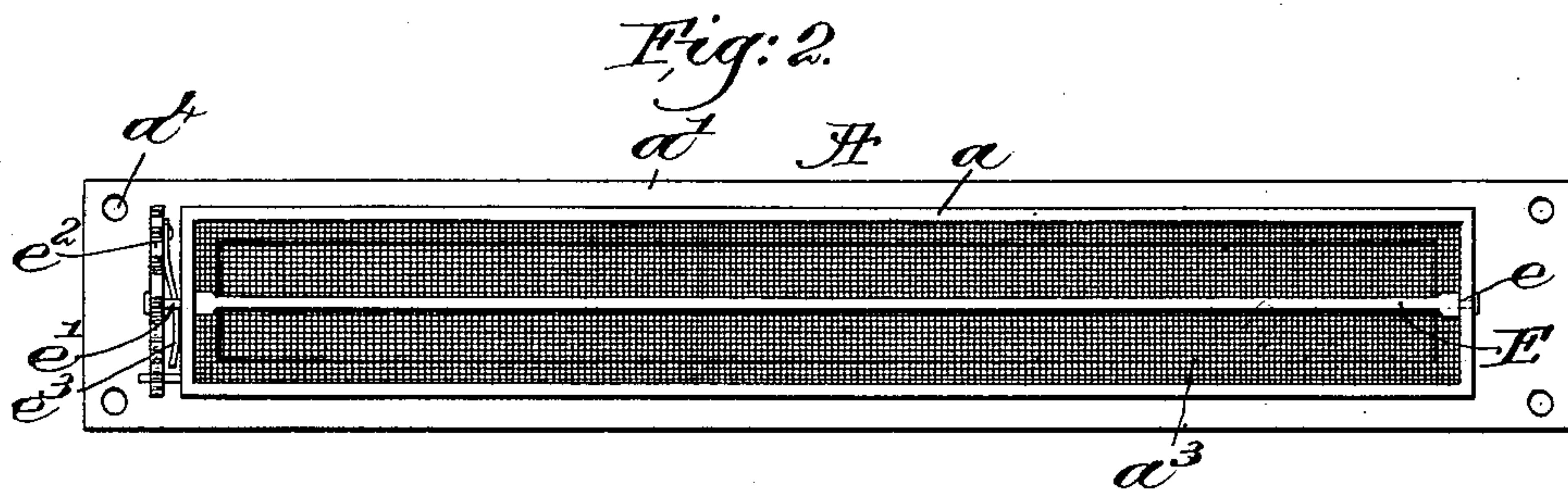
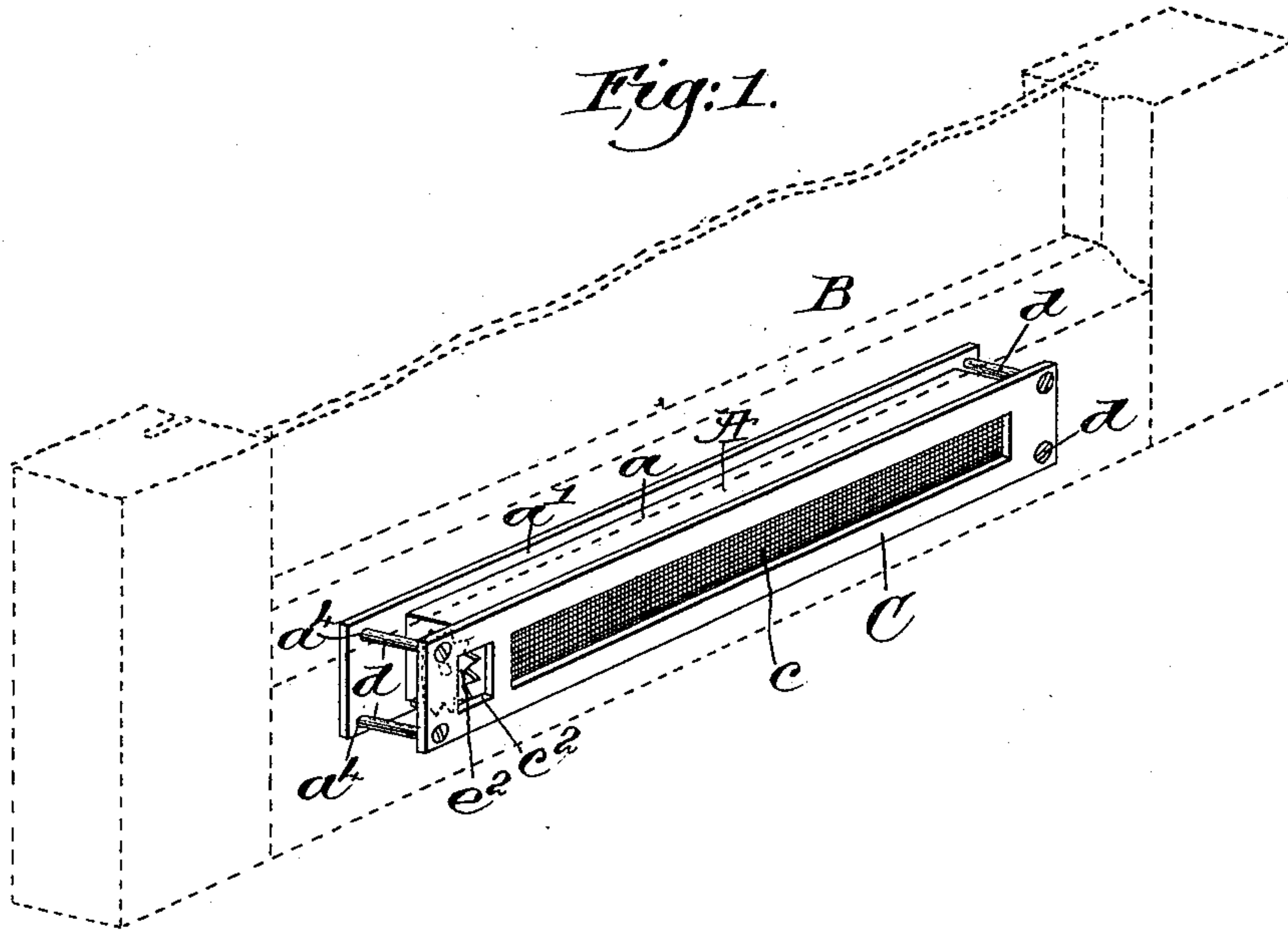
No. 614,497.

Patented Nov. 22, 1898.

A. B. PRAETSCH.
VENTILATOR.

(Application filed May 22, 1897.)

(No Model.)



Witnesses.
Edward F. Allen.
Thomas J. Drummond.

Inventor:
August B. Praetsch.
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UNITED STATES PATENT OFFICE.

AUGUST B. PRAETSCH, OF BOSTON, MASSACHUSETTS.

VENTILATOR.

SPECIFICATION forming part of Letters Patent No. 614,497, dated November 22, 1898.

Application filed May 22, 1897. Serial No. 637,693. (No model.)

To all whom it may concern:

Be it known that I, AUGUST B. PRAETSCH, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improve-
5 ment in Ventilators, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention relates to ventilators, and
10 has for its object the production of a ventilator of simple and compact construction particularly adapted for insertion in window-sashes or in doors and the like.

The various features of my invention will
15 be hereinafter fully illustrated and described in the drawings and specification and set forth in the claims.

Figure 1 shows a ventilator of my improved construction applied to the lower bar of a
20 window-sash, indicated in dotted lines. Fig. 2 is a plan view of the ventilator with the inner face-plate removed to reveal the interior construction of the ventilator. Fig. 3 is a transverse section on the line $x x$, Fig. 2.

25 In the preferred embodiment of my invention selected for description and illustrated in the drawings, A is a casing of suitable material, preferably cast metal, rectangular in shape and substantially equal in depth to the
30 sash or other partition B in which it is to be placed, such partition being previously apertured or prepared, as at b , to receive the casing snugly.

In the form illustrated the casing is pro-
35 vided with an integral flange a' , surrounding and projecting laterally from the body a at the rear edge and having a slot a^2 nearly equal in area to the central cavity of the casing and covered throughout by a piece of
40 gauze a^3 , suitably secured to the casing.

The casing having been inserted in the aperture b from the outside as far as will be permitted by the flange, (if the latter be integral,) an entrance for a continuous supply
45 of fresh air is afforded, while dust, insects, or other extraneous matter will be excluded by the gauze screen.

To further insure the purity of the air-supply, I have provided an extra screen c for
50 the inner side of the ventilating-passage, and in order that this inner screen may be readily

fixed in position or removed I have shown it as mounted on an apertured plate C, preferably symmetrical with respect to the flange a' , but separate from the casing.

By making the screen removable I afford
55 means to gain ready access to the interior of the casing to clean out any dust which may make its way through the outer screen, and to promote this facility of removal a convenient means of connecting the screen-plate to the casing will be found in headed screw-
60 bolts d , inserted into holes in the screen-plates, through which and the sash they pass to engage and coöperate with the threaded
65 walls of holes a^4 opposite in the flange a' .

The effective aperture of the ventilator may be varied by a longitudinal damper E, carried within the casing on a spindle e , on the projecting end e' of which a regulating-sector e^2 is mounted, extending into a slot c^2 of
70 the screen-plate in position to be engaged by the finger.

A spring e^3 , interposed between sector and casing, serves to hold the damper in adjusted
75 position.

Having thus fully described my invention, I do not limit myself to the exact construction shown, inasmuch as the same may be varied considerably without departing from
80 the spirit and scope of my invention.

Having fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination with a window-sash or
85 the like, having a body-aperture for ventilating purposes, of a casing seated in said aperture and having at one side a gauze-screened opening and a flange extended beyond the walls of the casing; a damper
90 mounted rotatably within said casing upon a spindle; means extended through one end wall of said casing, and provided with a sector, by which to operate said damper; a separate closure for the side of said casing op-
95 posite said flange, said closure having a ventilating-opening provided with a gauze screen, and another opening through which said sector may be operated manually; and means to secure said closure in place, substantially as
100 described.

2. The combination with a window-sash or

the like, having a body-aperture for ventilating purposes, of a casing seated therein and having a flange a' provided with an aperture a^2 closed by a gauze screen a^3 within
5 and seated against said flange, a separate apertured closure C, having a gauze screen c , and a rotatable damper E arranged centrally within said casing, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

AUGUST B. PRAETSCH.

Witnesses:

FREDERICK L. EMERY,
ALEX. C. PROUDFIT.