

(No Model.)

L. J. WING.

VENTILATING APPARATUS FOR BUILDINGS.

No. 343,289.

Patented June 8, 1886.

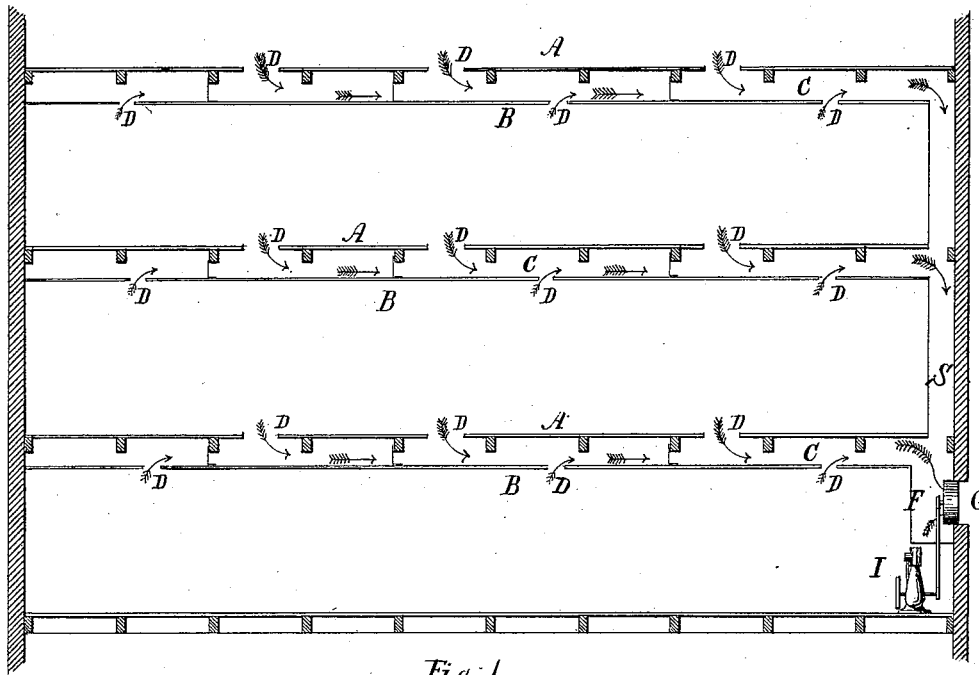


Fig. 1.

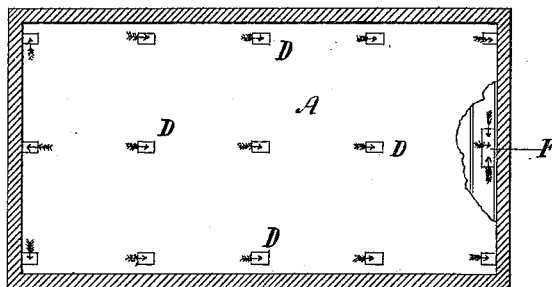


Fig. 2.

WITNESSES:

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VENTILATING APPARATUS FOR BUILDINGS.

SPECIFICATION forming part of Letters Patent No. 343,289, dated June 8, 1886.

Application filed April 22, 1884. Serial No. 129,508. (No model.)

To all whom it may concern:

Be it known that I, LEVI J. WING, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Ventilating Apparatus for Buildings, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to apparatus for ventilating the apartments of a building of any kind; and it consists in the novel features of construction, hereinafter described, whereby a distributed exhaust is effected in a simple and economical manner.

15 In the accompanying drawings, Figure 1 is a vertical section of a building containing my invention. Fig. 2 is a horizontal section thereof on a smaller scale than in the previous figure.

Similar letters indicate similar parts.

20 The letter A designates a floor, and B a ceiling, between which is arranged a flue, C, which communicates with an apartment either above or below it, or both, through openings D, which are distributed throughout the floor and ceiling, as shown in Fig. 2, so that if an exhaust of air is maintained in the flue the ensuing exhaust in the apartments is distributed over the entire area thereof, thereby producing the best possible effect.

25 To the flue C is connected an exhaust-flue, S, which is provided with a fan, F, or other exhaust apparatus, the fan being operated by an engine, I, or other suitable power, and which has an outlet exterior of the building, as at G, thereby discharging the foul air removed from the apartments at that point, this exhaust-flue communicating with the apartments solely through the medium of the ven-

tilating-flue, and when the building embodies a number of stories, as in the example shown, the exhaust-flue is common to the ventilating-flues of all the stories, and may be run by an engine.

40 It is evident that the ventilating-flue C may be in one piece, or may be constructed with branches extending from the different openings of the floor and ceiling.

45 I am aware that it is not new to use a ventilating-flue provided with an exhaust-fan for creating a suction in the flue, and I do not therefore claim such, broadly, as my invention; neither do I claim an exhaust-flue communicating with the apparatus of a building either above the floors or through the medium of the hallways, the essential point of difference of my invention therefrom being that the exhaust-flue has no communication with the apartments except by means of the ventilating-flues opening into the apartments through the floors and ceilings, as above described.

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

50 In a ventilating apparatus for buildings, the combination, with an exhaust-flue, S, provided with a fan, F, or other exhaust apparatus, of a ventilating-flue, C, arranged between the floor A and ceiling B, to communicate directly with the exhaust-flue and communicate with an apartment above and below it through openings D, which are distributed throughout the floor and ceiling, substantially as and for the purpose described.

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

LEVI J. WING.

Witnesses:

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