

(No Model.)

J. J. BRENNAN.

CUSPIDOR.

No. 363,982.

Patented May 31, 1887.

Fig. 1.

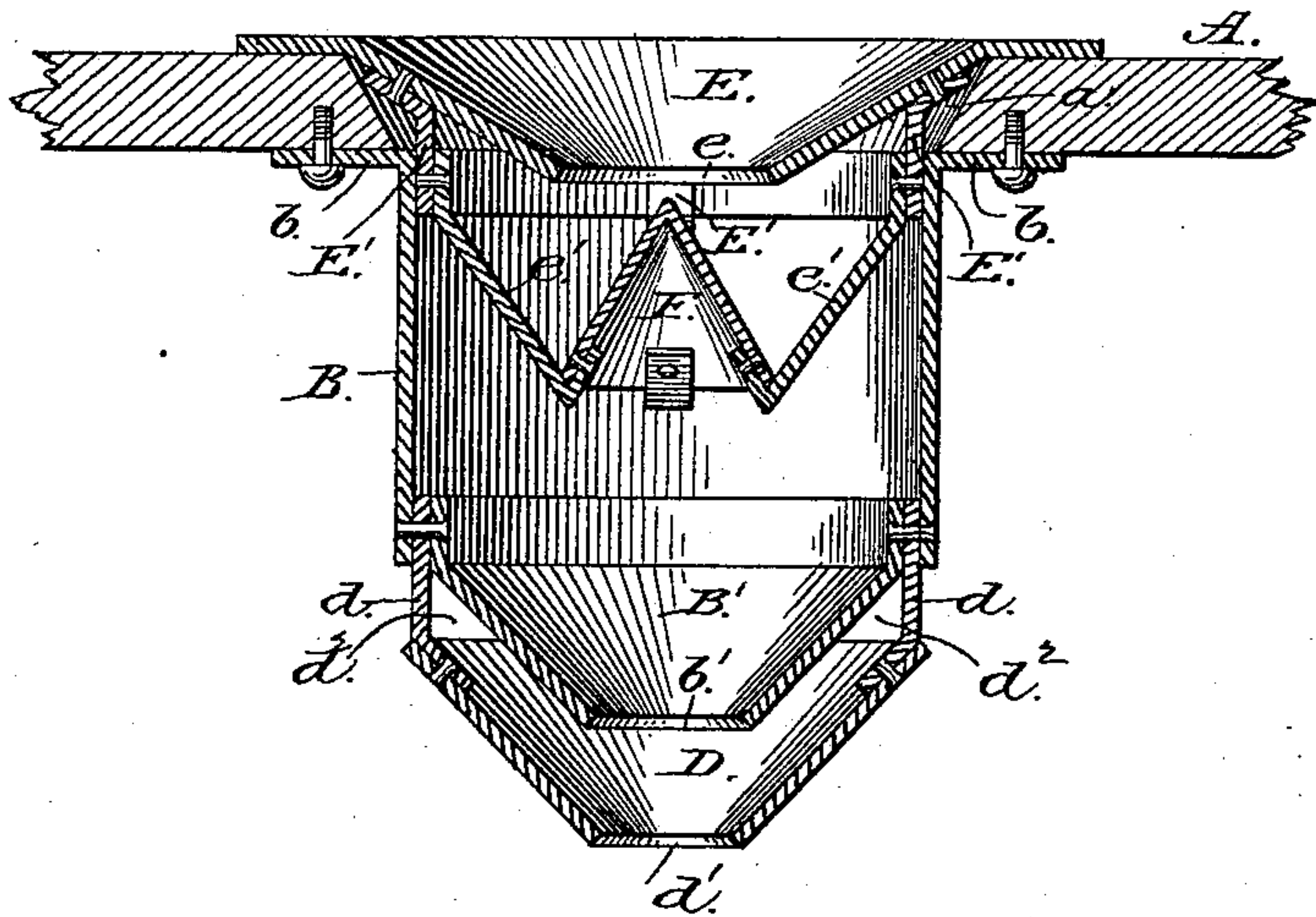
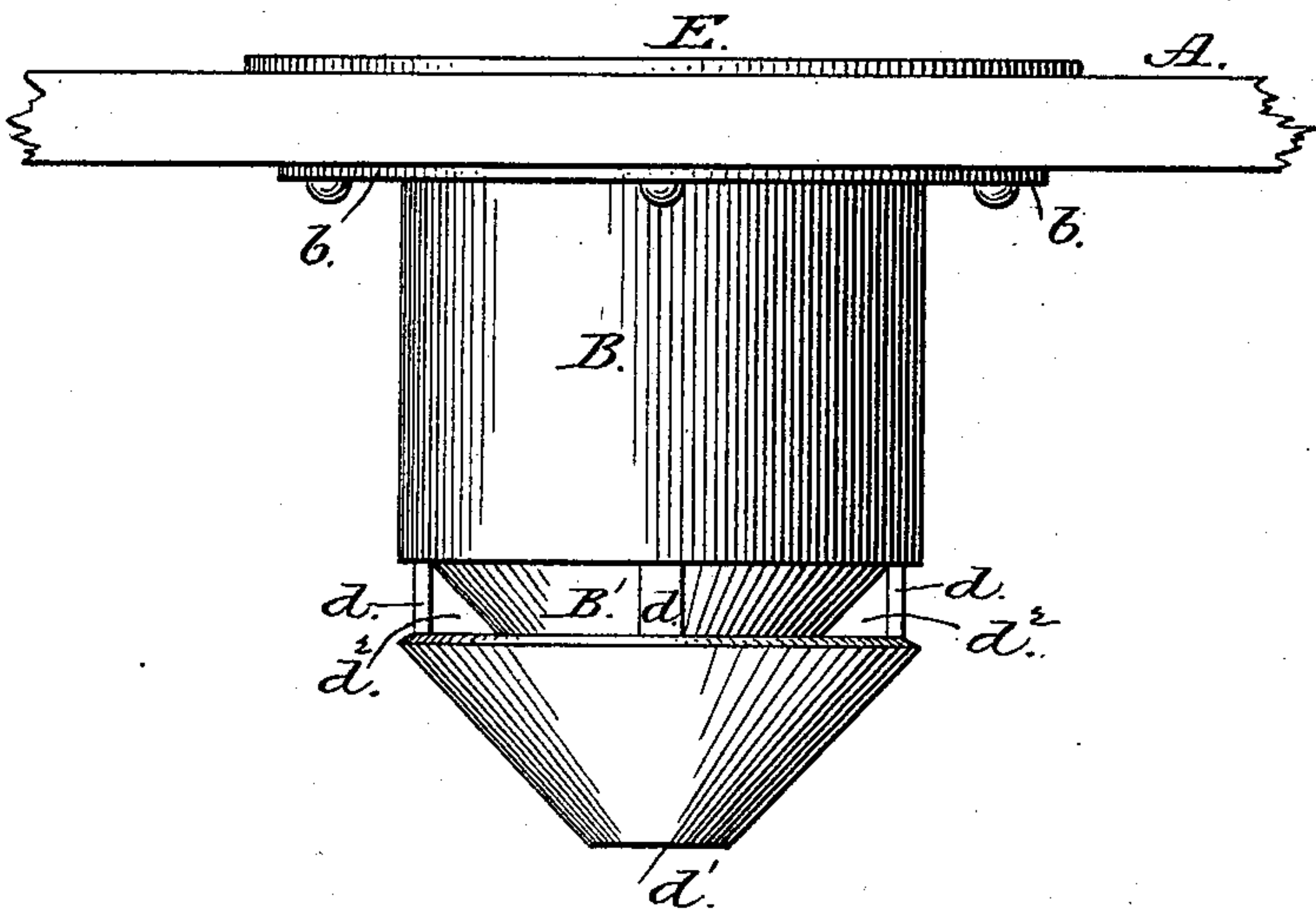


Fig. 2.



WITNESSES:

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CUSPIDOR.

SPECIFICATION forming part of Letters Patent No. 363,982, dated May 31, 1887.

Application filed April 7, 1887. Serial No. 234,013. (No model.)

To all whom it may concern:

Be it known that I, JAMES J. BRENNAN, of Morris Plains, in the county of Morris and State of New Jersey, have invented a new and Improved Cuspidor, of which the following is a full, clear, and exact description.

My invention relates to an improvement in cuspidors designed for use in railroad-cars, and has for its object to provide an article which will be substantially self-cleaning, and which cannot be upset, broken, lost, overloaded, or appropriated, and which, while automatically emptying itself, will tend to ventilate the car.

The invention consists in the construction and combination of the several parts, as will be hereinafter set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a central vertical section through the cuspidor, and Fig. 2 is a side elevation thereof.

In carrying out the invention an aperture, *a*, is made in the floor A of a car, preferably circular in form, which aperture may be placed between the seats, in the aisle, or at any desired or convenient point.

To the under side of the floor A, and in alignment with the aperture *a*, a cylindrical body, B, is attached by means of integral lugs *b*; or in any suitable or approved manner, the said body being preferably of a corresponding diameter with the aperture *a*. The cylindrical body B is provided with a conical bottom, B', having a central opening, *b'*, and below said conical bottom a conical cap, D, of substantially the same size, is held in suspension by means of hangers *d*, riveted or otherwise secured to said cap, and also to the body.

The cap D is provided with an opening, *d'*, aligning the aforesaid opening *b'* in the bottom B, but of somewhat smaller diameter, and a space, *d''*, is made to intervene the cap and bottom; as shown in Fig. 1.

The top E of the cuspidor is made to incline toward the center, as is customary, and provided with the usual central opening. The rim of the top E, which is flattened out, is adapted to rest loosely upon that portion of

the floor surrounding the aperture *a* and the inclined portion to project within the said aperture. A collar, E', is made an integral portion of the top, and is adapted to engage the innersurface of the cylindrical body B, whereby the two are held in detachable contact.

Beneath the aperture *e* in the top a cone, F, is held, with the apex upward and centering the said aperture, through the medium of, preferably, round rods *e'*, attached to said cone and to the collar E'.

It will be seen that the top may at any time be detached from the body, and the dust and dirt, if desired, swept therein, from whence it falls to the ground, or the said body may be thoroughly washed out.

The cone F acts as a conductor for any material thrown in the body, and also serves in the capacity of a deflector, preventing any up-draft; and, further, the said cone conceals from sight the contents of the cuspidor.

It will be observed that the air passing through the space *d''* creates a suction whereby the car is ventilated, as said suction will draw the smoke and foul air down and out.

It is obvious that the cuspidor is substantially self-cleaning, as the downdraft created by the suction will carry with it any ashes, tobacco, and expectorations which may not have passed out through the openings *b'* *d'*.

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

1. A cuspidor consisting of a body, B, having an apertured inclined bottom, an apertured inclined cap suspended below said bottom, and the detachable apertured top E, provided with a downwardly-inclined plate suspended therefrom beneath the aperture in said top, substantially as set forth.

2. A cuspidor consisting of a cylindrical body, B, provided with an apertured conical bottom, B', a conical apertured cap, D, suspended below said bottom, and a space, *d''*, intervening said bottom and cap, an apertured detachable top, E, having an attached collar, E', and a cone, F, suspended beneath the aperture in said top, with the apex upward, substantially as shown and described.

3. In a cuspidor, the combination, with the cylindrical body B, adapted for attachment beneath a car, provided with a conical bottom,

B', having a central opening, *b'*, a spaced conical cap, D, suspended below said bottom, having an opening, *d'*, aligning the said opening *b'*, of the flanged top E, having a central opening, *e*, adapted to be supported upon the upper surface of the floor, a collar, E', integral with said top and adapted to engage the body

B, and a cone, F, suspended beneath the opening in said top, substantially as shown and described, and for the purpose herein set forth.

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Witnesses:

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