

W. G. Smith,

Spittoon

N^o 55,729.

Patented June 19, 1866.

Fig. 1.

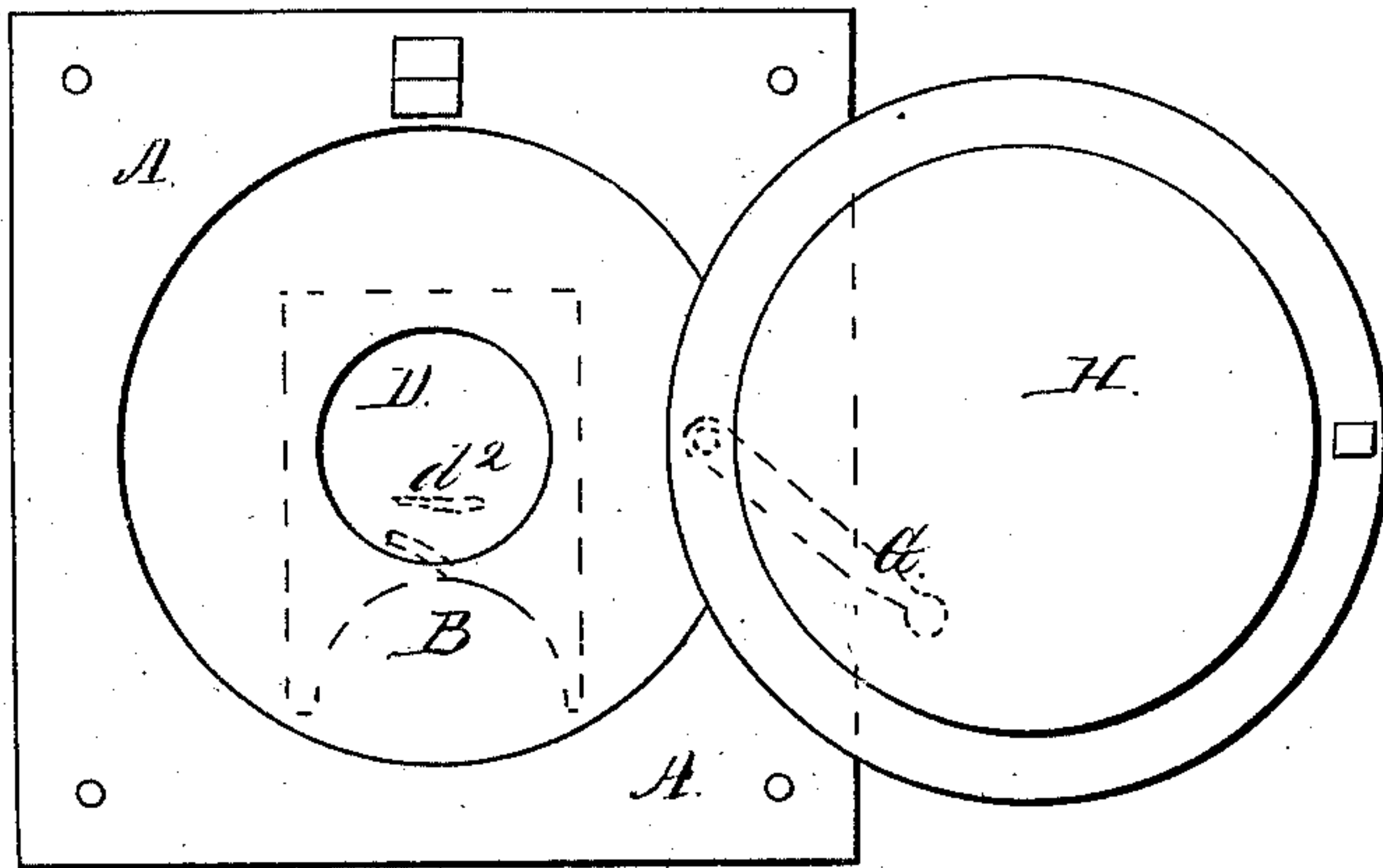


Fig. 2.

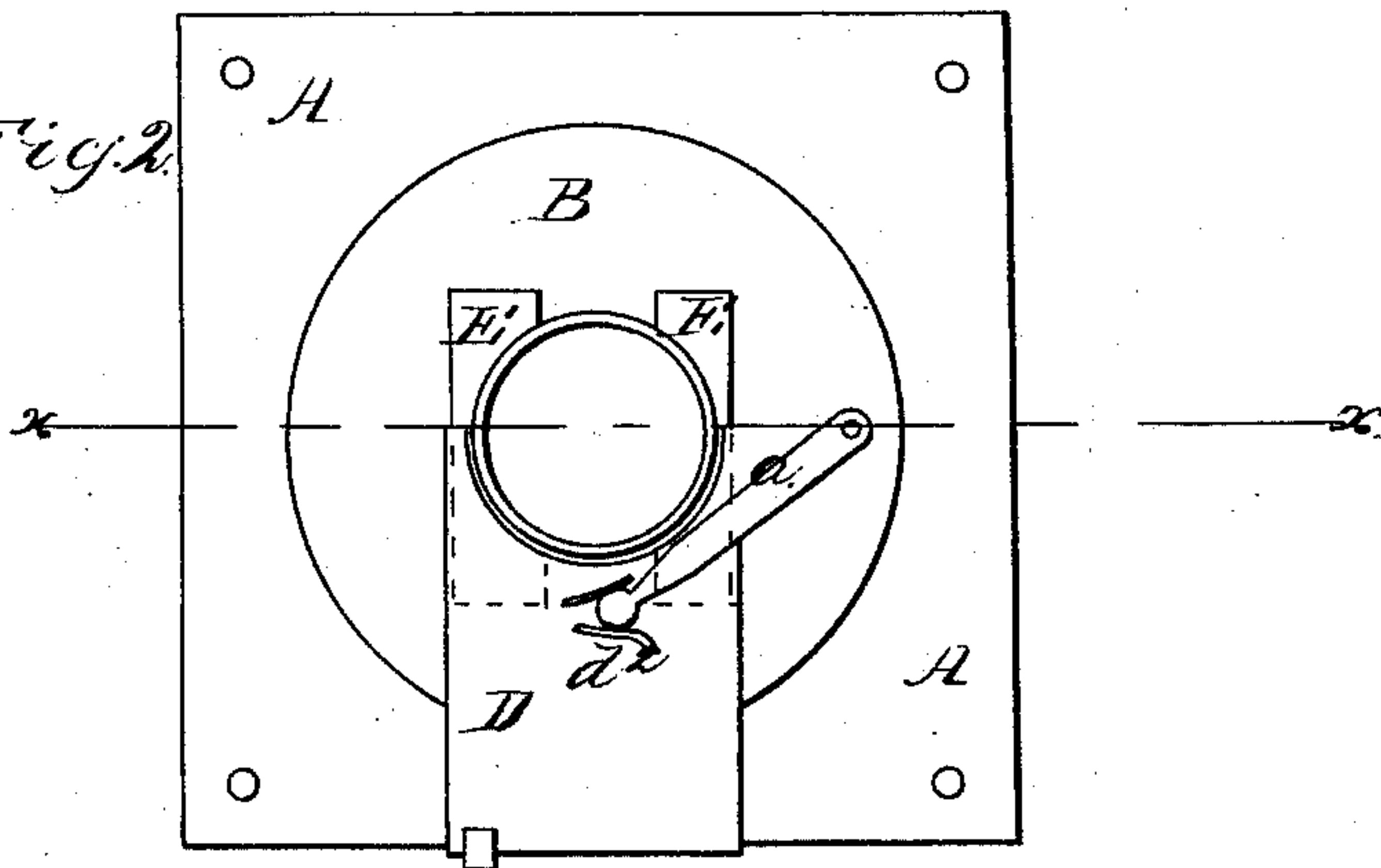


Fig. 3.

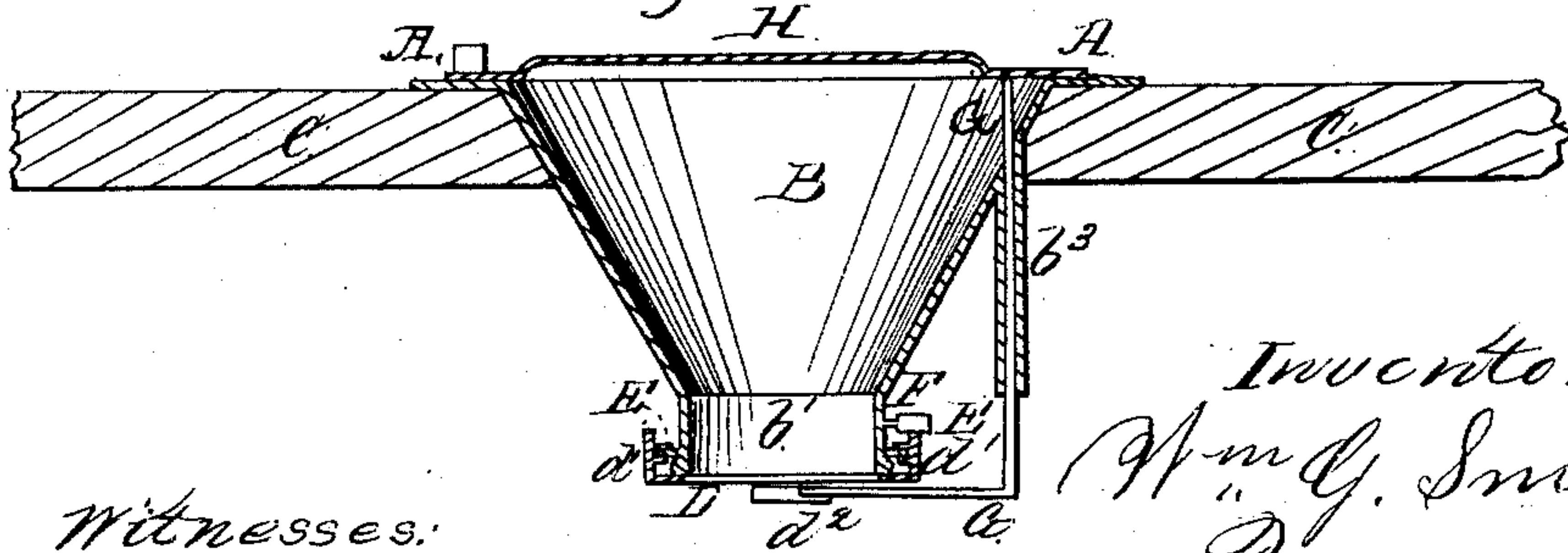
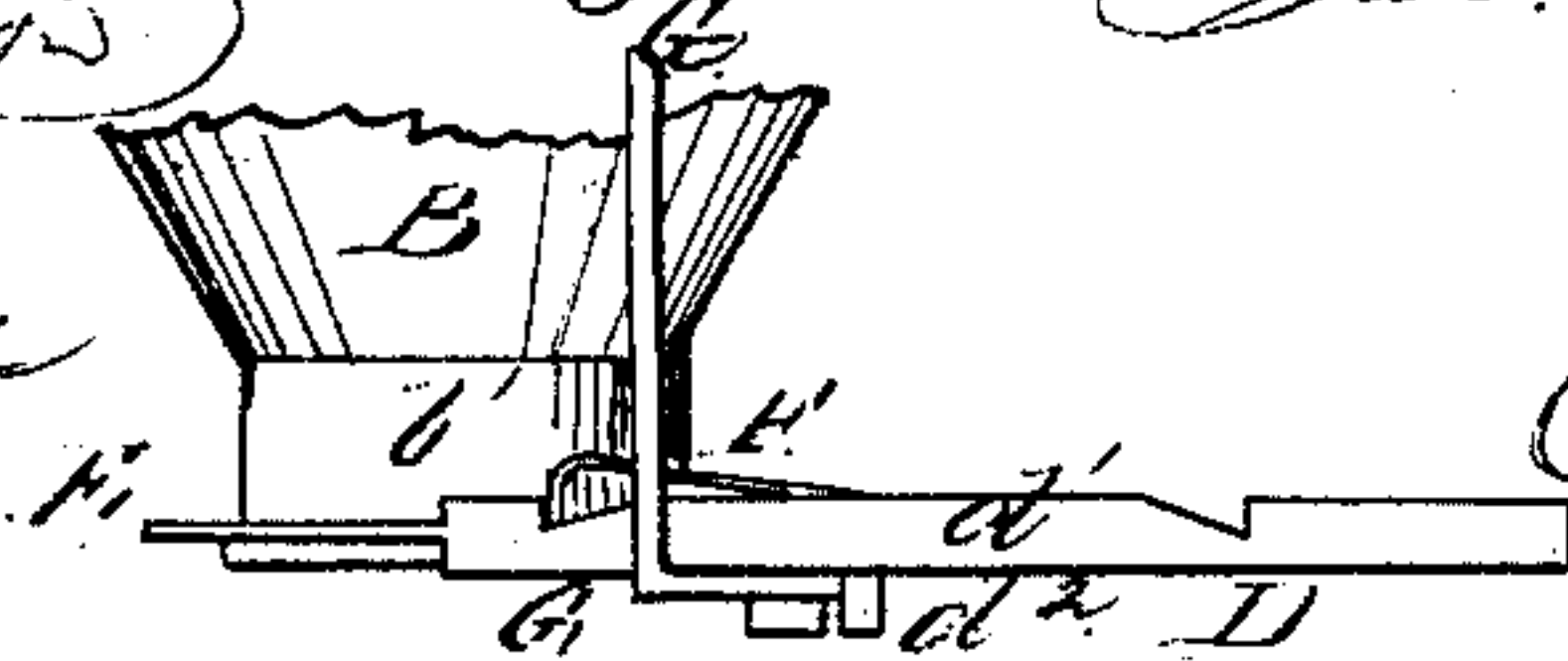


Fig. 4.



Inventor:

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Witnesses:

J. M. B. Conington
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Attest

UNITED STATES PATENT OFFICE.

WILLISON G. SMITH, OF CARLISLE, PENNSYLVANIA.

IMPROVED SPITTOON FOR CARS.

Specification forming part of Letters Patent No. 55,729, dated June 19, 1866; antedated May 26, 1866.

To all whom it may concern:

Be it known that I, WILLISON G. SMITH, of Carlisle, in the county of Cumberland and State of Pennsylvania, have invented a new and Improved Spittoon for Railroad-Cars and Public Places; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a top view of my improved spittoon with the cover open and the bottom closed. Fig. 2 is a bottom view of the same with the bottom open and the cover closed. Fig. 3 is a vertical section of the same, taken through the line *xx*, Fig. 2. Fig. 4 is a detail side view of the lower part of the spittoon.

Similar letters of reference indicate like parts.

My invention has for its object to furnish an improved self-cleaning spittoon for use in railroad-cars and other public places; and it consists, first, in a spittoon formed by combining the box or cup, the cover, the arm, and sliding bottom with each other, the parts being constructed and arranged as hereinafter more fully described; second, in the combination of a spring with the lower part of the spittoon and with the sliding bottom of the same, for the purpose of guarding against the said sliding bottom being pushed or jarred too far in either direction.

A is the plate to which the cup or box B of the spittoon is attached, and by means of which it is secured to the floor of the car or other place in which it is set.

The spittoon is placed in a hole prepared for its reception in the floor C of the car, and is secured in place by screws, so as to be about level with the said floor, as shown in red in Fig. 3.

The cup B is made cone-shaped, and is securely attached to the plate A. To the lower end of the cone-shaped cup B is attached a cylindrical portion, *b'*, to the lower edge of which the sliding bottom D is attached by means of the guides E. The guides E are securely attached to the sides of the lower edges of the said cylindrical part *b'* of the cup B, as shown in Fig. 3, and are of such a length as to

pass readily through the hole in the floor C, in which the spittoon is placed.

The sliding bottom D is made of sheet metal, and has a circular notch formed in one end, corresponding to the opening in the bottom of the spittoon, as shown in Fig. 2, so that the discharging-orifice of the spittoon may be fully opened without the said sliding bottom D being moved so far back as to be in danger of slipping off the guides E.

The side edges of the bottom D are turned up so as to form flanges *d'*, to the inner sides of which are attached narrow strips of sheet metal, bent over so as to form grooves, as shown in Fig. 3, by means of which the said bottom D may slide back and forth upon the guides E.

In the upper edge of one of the flanges *d'* are formed two notches, one near each end of said flange, as shown in Fig. 4, for the reception of the end of the spring F. The side of each of these notches next the end of the flange is square; but the other or inner sides of said notches are inclined, so as to allow the said bottom D to slide back and forth far enough to open and close the discharging-orifice of the spittoon, but prevent it from going any farther. One end of the spring F is attached to the lower part of the cup B, and the other end is bent over and rides upon the edge of the flange *d'*, as shown.

Upon the lower side of the sliding bottom D are attached two projections, *d²*, forming a recess for the reception of the end of the arm G, by which the said sliding bottom is operated. This arm G is bent at right angles and passes up through the side of the cup B, and is securely attached to and forms the pivot of the cover H. Or, if thought necessary for the support of said arm, it may pass up through a short tube, *b³*, attached to the side of said cup, as shown in Fig. 3.

The cover H, as it is turned to one side to open the spittoon, turns the arm G, which moves the sliding bottom of the spittoon forward and closes the bottom of said spittoon, thus guarding against the entrance of cold air through it. By closing the cover H the arm G will open the sliding bottom and allow whatever may be in the spittoon to fall through to the ground, thus making it self-cleaning.

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

1. An improved self-cleaning spittoon formed by combining the box or cup B, the cover H, the arm G, and sliding bottom D with each other, the parts being constructed and arranged substantially as herein described, and for the purpose set forth.

2. The combination of the spring F with the

lower part of the spittoon and with the sliding bottom D, substantially as described, and for the purpose set forth.

The above specification of my invention signed by me this 12th day of May, 1866.

WILLISON G. SMITH.

Witnesses:

JOSEPH HUNTER,
G. W. SMITH.