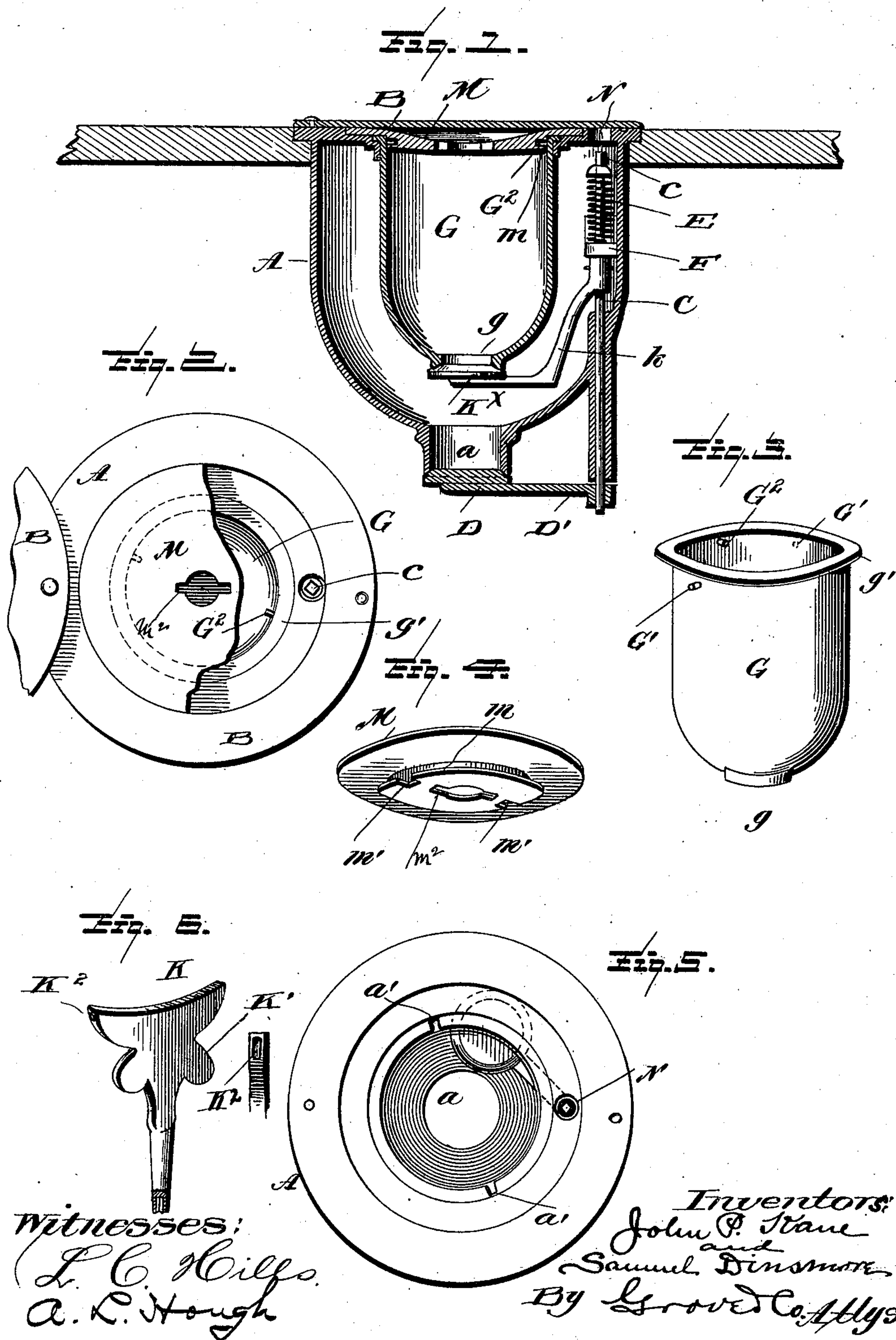


(No Model.)

J. P. KANE & S. DINSMORE.  
SPITTOON.

No. 576,589.

Patented Feb. 9, 1897.





# UNITED STATES PATENT OFFICE.

JOHN P. KANE, OF DAWSON, AND SAMUEL DINSMORE, OF VANDERBILT, PENNSYLVANIA, ASSIGNORS OF SEVEN-TWELFTHS TO SAMUEL DINSMORE AND JAMES DOLAN, OF VANDERBILT, PENNSYLVANIA.

## SPITTOON.

SPECIFICATION forming part of Letters Patent No. 576,589, dated February 9, 1897.

Application filed July 6, 1896. Serial No. 598,217. (No model.)

*To all whom it may concern:*

Be it known that we, JOHN P. KANE, residing at Dawson, and SAMUEL DINSMORE, residing at Vanderbilt, in the county of Fayette and State of Pennsylvania, citizens of the United States, have invented certain new and useful Improvements in Spittoons, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in spittoons, and especially to one adapted for use on railroad-trains, whereby the spittoon may be set down in the floor, so that its top will be flush with the floor and offer no obstruction for tripping a person who may be walking by.

A further part of the invention resides in a car-spittoon which is held in a suitable casing seated in a recess or aperture in the floor and provided with means for protecting the receptacle from freezing in cold weather and valve-regulated outlet-ducts to which access may only be had by means of a specially-constructed key by which the top concaved plate to the spittoon may be removed when it is desired to flush out the receptacle or to remove the same for any purpose whatever.

To these ends and to such others as the invention may pertain the same consists, further, in the novel construction, combination, and adaptation of the parts, as will hereinafter more fully appear and be described and then specifically defined in the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which drawings similar letters of reference marked thereon indicate like parts throughout the several views, in which—

Figure 1 is a central vertical sectional view through the spittoon. Fig. 2 is a top plan view; Fig. 3, a detail view of the removable receptacle forming the spittoon. Fig. 4 is a view of the reverse side of the top or removable cover to the removable receptacle. Fig. 5 is a view of the weather-box or outer casing, showing the recesses in which lugs of the spittoon engage. Fig. 6 is a detail view of

the key by which the device may be locked and unlocked.

Reference now being had to the details of the drawings by letter, A designates an outer casing or weather-box, made of metal or any other suitable material and in bowl shape, which is designed to be seated in a recess or aperture in the floor of the car. This box has a pivoted top B, which may be closed when the spittoon is not in use. The lower portion of this box has an aperture *a*, and mounted in a small vertical tube having communication with the interior of the said box is a post C, and to the lower end of this post is secured the valve D, mounted on an arm D' and adapted to swing laterally as the said post is turned by means of a key being placed over its squared upper end *c*. A spring E is provided, which is placed over the post, having one end bearing against a shoulder on the post near its upper end, while its other end bears against the bracket F on the side inner wall of the box. This spring is designed to hold the said valve snugly against the under side of the outlet to the box and is to make, when closed, a water-tight joint.

Carried within the said weather-box is the spittoon proper, G, which has an aperture *g* at its lower end and a rim *g'* about its upper edge, and is provided with two diametrically-disposed lugs G' on the outer circumference of the receptacle or spittoon, which are provided to lock the receptacle in the box by their passing through the recesses *a'* in the box, after which the receptacle is turned by means of the recessed ends K<sup>2</sup> of the arms K of the key engaging over the integral lugs G<sup>2</sup> on the inner side walls of the receptacle, so that the lugs G' will rest under the flange about the inner periphery of the top of the box. A second valve K<sup>x</sup>, secured to an arm *k* and mounted on the said post, is designed to fit over the aperture in the bottom of the spittoon and swings laterally with the said valve at the bottom of the casing or receptacle when the post is turned in the manner described.

The cover to the spittoon is illustrated in the drawings, and represented by letter M, and has a central aperture, and is slightly concaved, and the aperture therein being small will prevent the contents of the spittoon



from slopping out under the jolting of the car. The under side of this top plate or covering has a flange  $m$ , in the edge of which are cut the diametrically opposite recesses  $m'$ , which  
 5 are provided to allow the cover to pass the lugs  $G^2$ , after which, by means of a key being inserted through the aperture of the cover, the cover may be turned by the lateral pro-  
 10 jections  $K'$  of the key engaging in the recesses  $m^2$ , so that the lugs on the inner side of the spittoon will lock the cover to the box as well as to the spittoon.

When the cover to the spittoon is removed by means of the key in the manner described,  
 15 if it is desired to open the valves to the box and spittoon the end of the key, which is square, is inserted in the aperture  $N$ , which is in alinement with the post carrying the valves, and by pressing down on the upper  
 20 end of the post, which is spring-actuated, and turning the same to the left the valves will open together, as will be readily understood.

Having thus described our invention, what we claim to be new, and desire to secure by  
 25 Letters Patent, is—

1. In a spittoon, the combination with the weather casing or box having a pivoted cover, a post mounted in a tubing communicating through an aperture with the interior of the  
 30 casing, the upper end of the said post being square a spring interposed between a collar on the post and a bracket on the inner wall of the casing, of the spittoon or receptacle having diametrically-disposed lugs on its out-

side adapted to register in recesses in the 35 periphery of the opening of the casing, and a key for locking the receptacle to the casing or box, substantially as shown and described.

2. In a spittoon, the combination with the outer casing having an integral tubing open- 40 ing therein, a vertically-movable spring-actuated post carried in said tubing, of the spittoon mounted within the casing, valve-plates carried on the post and designed to be seated under registering apertures in the bottoms of 45 the spittoon and casing, and means for opening the valves by depressing the said post and rotating the same, substantially as shown and described.

3. In combination with the spittoon having 50 lugs on its inside wall, and held in the casing in the manner described, the cover having lateral recesses in its central aperture, and the key having lateral arms provided with recesses for engagement with the lugs on the 55 inside of the spittoon, and lateral projections which are adapted to engage in the recesses in the central aperture of the cover, whereby the latter may be turned and locked, in the manner shown and described. 60

In testimony whereof we affix our signatures in presence of two witnesses.

JOHN P. KANE.  
 SAMUEL DINSMORE.

Witnesses:

ISAAC COCHRAN,  
 MICHAEL FORKER.