

UNITED STATES PATENT OFFICE.

JACOB BOOTH, OF REYNOLDSVILLE, PENNSYLVANIA.

CUSPIDOR.

SPECIFICATION forming part of Letters Patent No. 705,375, dated July 22, 1902.

Application filed September 3, 1901. Serial No. 74,145. (No model.)

To all whom it may concern:

Be it known that I, JACOB BOOTH, a citizen of the United States, and a resident of Reynolds-ville, in the county of Jefferson and State of Pennsylvania, have made a certain new and useful Invention in Cuspidors; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it ap-
5 pertains to make and use the invention, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention has relation to cuspidors, and has for its object the provision of a novel and useful form of cover therefor to be thrown open by foot or other pressure upon a lever provided for this purpose, to be automatically closed by spring-hinges of the cover, and
20 the meeting edges of the cover and body to have a packing of india-rubber or the like to further seal the cuspidor against escape of odor or noxious effluvia.

My cuspidor is especially designed for use
25 in railroad-cars, the sick-room, and public rooms, but is also valuable wherever cuspidors are employed.

A suitable waste-pipe may be provided in connection with the cuspidor for conduction
30 of the spittle or other contents to the road-bed below in the case of railroad-cars or to a suitable receptacle in the cellar or outdoors in other cases.

With this object in view the invention consists in the novel construction and combination of parts, all as hereinafter described, and pointed out in the appended claims.

Referring to the accompanying drawings, Figure 1 is a perspective view of my cuspidor
40 as applied. Fig. 2 is a transverse vertical section of the same. Fig. 3 is a side elevation of a modified form of cuspidor, shown as raised in dotted lines. Fig. 4 is a front elevation of this modified cuspidor, partly broken
45 away; and Fig. 5 is a transverse vertical section of the upper portion of the same.

In the drawings the letter A designates the body of the cuspidor, having the usual hopper-form cover and upper side extensions a,
50 to which are hinged the planular twin rectangular covers A', having an opposite inclination when closed for easier opening and

carrying centrally thereof tapering strengthening-ribs forming stop and lever lugs a', having a considerable rise near the outer edge
55 of the covers, a short pull cord or chain being fastened to the upper portion of such lugs at this point and passing downwardly over a pulley a² to the intermediate portion of treadle-lever b, of forked or bifurcated character, embracing the cuspidor, and the lateral
60 parallel arms of which are pivoted at their free ends to the sides of the cuspidor, at one end portion thereof, and having an operating outer or pedal extension b, projecting beyond
65 the opposite end portion of the cuspidor. In this way pressure of the foot upon the treadle-lever will open the covers away from each other until the stop-lugs a' abut against the edge strips a³ of the cover, when such covers
70 will have a downward and inward inclination toward the inner hopper-form cover or assume hopper form for better delivery of spit- tle, &c., thereto. When pressure is removed
75 from the treadle, the spring-hinges of the covers automatically return the same to closed position, edge packing-strips c, of india-rubber, being provided at the meeting edges of the two movable covers and between the same and the edges of the side extensions of
80 the body of the cuspidor.

A suitable waste-pipe C may be provided for delivery of the contents of the cuspidor to a place removed from the car or room, or a removable box or drawer may be provided.
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A removable lining of paper or other suitable material may be provided for the covers and for the removable spit box or drawer to avoid washing the same, such lining being replaced by a new one when removed.
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In Figs. 3 and 4 I have illustrated the cuspidor as adapted to be secured in a recess in the floor, with which the upper surface of the cuspidor is flush when not in use. Upon depression of the treadle-lever B', having a cord
95 or cable attachment b', passing over roller b² and attached to the cuspidor, it is raised from such recess into full view, when the limiting cord attachment b³, having a connection with operating-lever B, will auto-
100 matically open the cuspidor cover or doors. This lever B' is arranged to be turned to one side level with the floor when the cuspidor is depressed in its seat, when a turn-button b⁴

will secure it in such level position. Upon release of lever B' from such turn-button, however, weight *b*⁵ thereof will cause it to assume erect position ready to be operated.

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

1. In a cuspidor, the combination with the body portion, having the rectangular cut-
10 away portion at the top, and provided with lateral upwardly-inclined seats meeting at the center, of the twin covers having the straight rear edges hinged to the edges of said cut-away portion, and resting upon said
15 seats when closed, said covers when open having inwardly-inclined walls converging toward the hinged rear edges thereof, a bifurcated operating-lever pivoted at its inner end to one end portion of the cuspidor,
20 and having a forward treadle extension at the opposite end portion of the cuspidor, and short chains or cords connecting raised portions of said covers with intermediate portions of the branches of said lever, substan-
25 tially as specified.

2. In a cuspidor, the combination with the body, of the rectangular twin covers hinged thereto, the bifurcated operating-lever hav-
ing lateral parallel arms embracing said body,
30 and pivoted at their free ends at one end of the body, and the pedal extension of said lever projecting beyond the other end of said body, closing-springs, and chains or cords connecting said arms and covers, substan-
35 tially as specified.

3. A cuspidor having a base provided with a recess, in which it is seated, means for

raising the cuspidor out of such recess, and for returning it to normal position, substan-
tially as specified. 40

4. A cuspidor having a base provided with a recess, in which it is seated, a lever, and means for raising the cuspidor from such re-
cess upon operation of said lever, substan-
tially as specified. 45

5. A cuspidor having a base provided with a recess, in which it is seated, a lever having a cord connection with the cuspidor, and ar-
ranged to raise the same from the recess upon operation thereof, substantially as
50 specified.

6. A cuspidor having a base provided with a recess, in which it is seated, a lever having a cord connection with the cuspidor, and ar-
ranged to raise the same from said recess
55 upon operation thereof, the cover for the cuspidor, and means for automatically opening the same upon raising of the cuspidor, sub-
stantially as specified.

7. A cuspidor having a base provided with
60 a recess, in which it is seated, a lever having a cord connection with the cuspidor, and arranged to raise the same from its recess upon operation thereof, the cover for the cuspidor, the lever having a limiting cord attachment,
65 and a cord connection with said cover, and arranged to open said cover upon raising of the cuspidor, substantially as specified.

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

JACOB BOOTH.

Witnesses:

M. M. DAVIS,
WILLIAM NORTHEY.