No. 863,445. PATENTED AUG. 13, 1907.

W. F. RAY.

CUSPIDOR.

APPLICATION FILED NOV. 1, 1906.

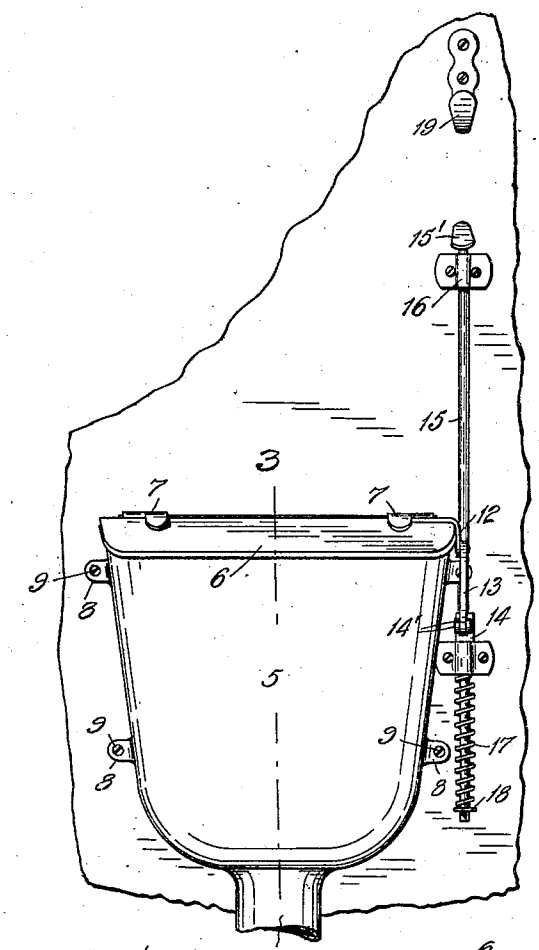


FIG. 2.

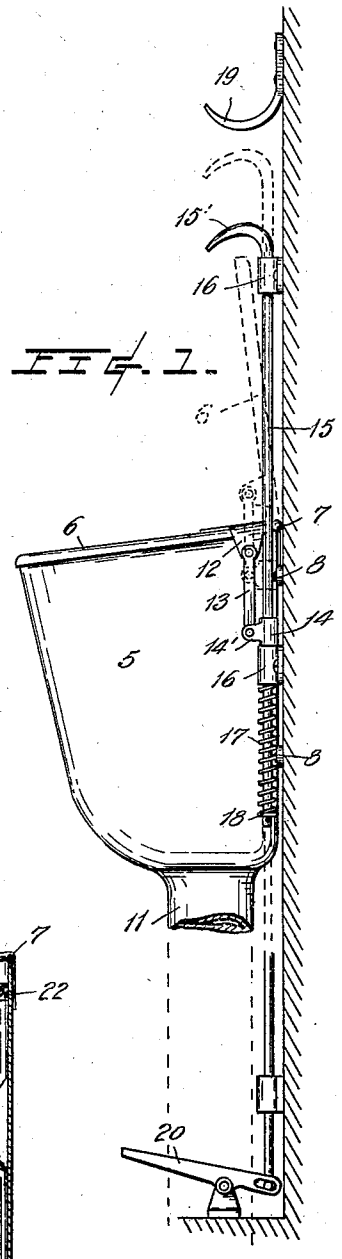


FIG. 1.

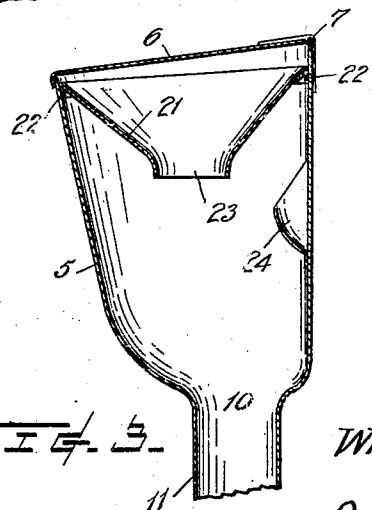


FIG. 3.

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CUSPIDOR.

No. 863,445. Specification of Letters Patent. Patented Aug. 13, 1907.

Application filed November 1, 1906. Serial No. 341,561.

To all whom it may concern:

Be it known that I, WILLIAM F. RAY, a citizen of the United States, residing at Vancouver, in the Province of British Columbia, Canada, have invented certain new and useful Improvements in Cuspidors, of which the following is a specification, reference being had therein to the accompanying drawings, in which—

Figure 1 is a side elevation of devices embodying my invention; Fig. 2, a front elevation of the same; and Fig. 3, a cross sectional view taken through 3—3 of Fig. 2.

This invention relates to spittoons and more particularly to that class which is affixed to the partitions or walls of structures such as in the smoking coaches of railway trains, or the saloons or staterooms aboard ship.

The principal object of the invention is to provide a receptacle for the expectorations or vomiting of the traveling public, which is capable of being shut up when not in use, and which can be readily cleansed and kept in a sanitary condition.

The invention consists in the novel construction and combination of parts as will be hereinafter described and claimed.

In the drawings, the reference numeral 5 designates a hopper, desirably constructed of sheet-metal, and is provided at its top with a lid 6 which is openable upon hinges 7 positioned at the rear. The hopper is provided with means, such as apertured ears 8 whereby it is secured in place through the employment of screws 9, or their equivalent. At the bottom of the hopper is an outlet 10 wherethrough the spit, phlegm or stomach ejections are discharged into a pipe 11 leading through the floor, deck, or elsewhere, according to the particular employment.

Connected with the lid by an attachment in the form of an overhanging lug or ear 12, link 13 and a sleeve 14 provided with lugs 14′, is a vertical rod 15 which is slidable in wall sockets 16 and is normally held in its lowermost position by a helical spring 17, interposed between the under side of one of said sockets and a washer 18, or its equivalent, which is reliably secured to the rod. The function of the spring, as will be obvious from the foregoing, is to normally retain the lid 6 in its closed condition irrespective of any jars or shocks to which the device is liable to be subjected, and likewise to insure the rapid closing of the same when it has been thrown back through the raising of the rod. This rod is raised to manipulate the opening of the hopper, and against the resiliency of the spring in any suitable manner, as by pressing upwardly with the fingers against the hooked upper end 15′ of the rod, and which action is facilitated by the use of a reversely disposed thumb-engaging hook 19 which is fixedly secured to the wall and in alinement with the rod. Instead of opening the hopper by the agency of a person's hand it may be performed just as well, and oftentimes desirably, by foot pressure. This alternative mechanism is clearly represented in Fig. 1, wherein the rod is shown extended down and operatively connected to a pedal 20.

Interiorly of the hopper, see Fig. 3, is a partition 21 which is removably seated upon ledges, such as 22, secured to the hopper-walls in proximity of their top edges, and the partition is formed of a basin-like configuration which terminates with a bottom spout 23.

Situated within the hopper so as to be protected against any expectorations discharged thereinto is a receptacle 24 for some suitable disinfectant or deodorizing substance.

The operation of the invention will, it is thought, be understood from the above description when taken in combination with the drawings, in Fig. 1 of which the lid is shown in its closed position by full lines and the lid open by broken lines with the corresponding changed positions of the connecting operative parts.

The advantages of the invention reside in the simplicity and arrangement of the parts whereby the same can be readily used and cleaned; the automatically closing of the device to mask any unsightly matter that may be deposited within the hopper; the availability of the spittoon to the uses to which intended with no danger of its becoming deranged or misplaced; and in the provision made for the reception and retention of disinfectant substances, thereby insuring the utensil always being in a sanitary state.

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

In a cuspidor, a receptacle having side lugs for attaching the same to a support and having an outlet in the bottom, a hinged lid for said receptacle provided at one side with an overhanging lug or ear, sockets secured to the support which carries the receptacle, a rod mounted for vertical movement in said sockets, a spring normally holding the rod in its lowered position, a sleeve carried by said rod and provided with lugs, a link connecting the lugs of said sleeve with the overhanging lug or ear of the lid, and a treadle connected to the lower end of said rod for elevating the same.

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

WILLIAM F. RAY.

Witnesses:
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