

H. J. WIELAND.
 CUSPIDOR.
 APPLICATION FILED OCT. 7, 1912.

1,052,026.

Patented Feb. 4, 1913.

Fig. 1.

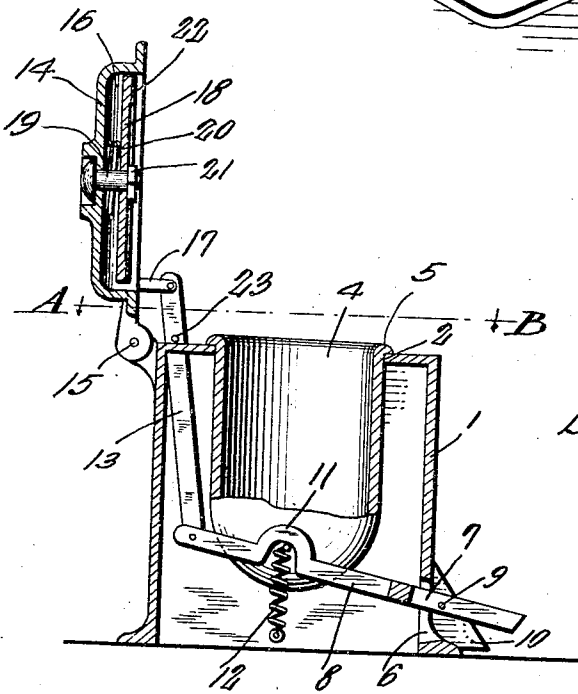
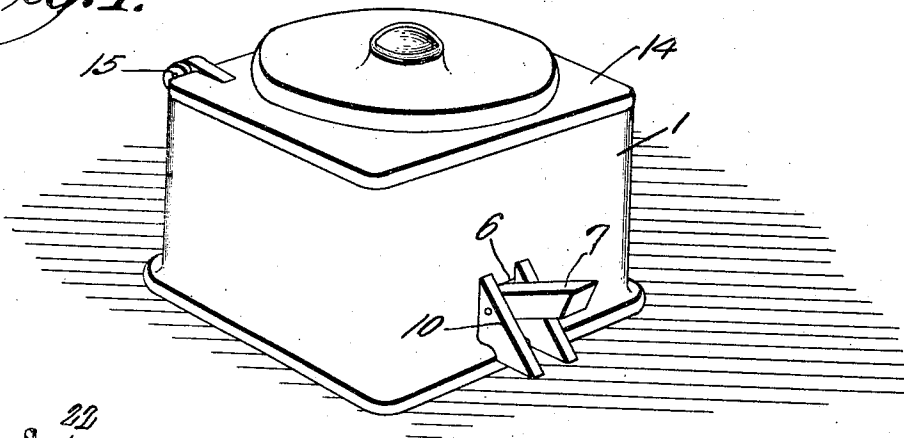


Fig. 2.

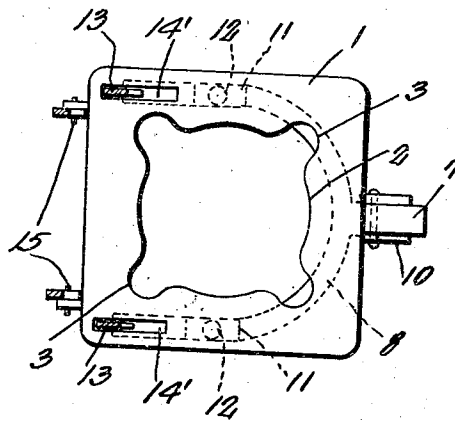


Fig. 3.

Witnesses

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CUSPIDOR.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HERMAN J. WIELAND, a citizen of the United States, residing at Virginia, in the county of St. Louis and State of Minnesota, have invented a new and useful Cuspidor, of which the following is a specification.

This invention relates to cuspidors, its object being to provide a sanitary device of this character which is provided with a top normally closed, simple means being provided whereby the top can be easily moved to open position so as to expose the receptacle of the cuspidor.

A further object is to provide a cuspidor receptacle which can be easily removed for the purpose of cleaning it.

Another object is to provide improved means for sealing the receptacle when the cover is closed.

Another object is to provide simple foot actuated means for operating the closure.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, can be made within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawings the preferred form of the invention has been shown.

In said drawings:—Figure 1 is a perspective view of the cuspidor, the same being shown closed. Fig. 2 is a vertical section therethrough, the closure being shown open and the receptacle being partly broken away to disclose a portion of the closure operating mechanism. Fig. 3 is a section on line A-B Fig. 2.

Referring to the figures by characters of reference, 1 designates a casing adapted to be secured to or merely rest upon a floor or other structure, the top of this casing being formed with an opening 2 having spaced recesses 3 in the wall thereof. A cup-like receptacle 4 is adapted to fit within the opening 2 and has a supporting flange 5 disposed annularly at its upper end and adapted to bear downwardly on the top of the casing 1. The recesses 3 extend beyond the flange so as thus to permit said flange to be

grasped readily by any suitable tool provided for the purpose of lifting the receptacle out of the casing.

A slot 6 is formed in one wall of the casing 1 and extending therethrough is a tongue 7 provided upon the middle portion of a yoke 8. This tongue is pivotally connected as at 9, to ears 10 extending forward from the casing and constitutes a foot lever. The sides of the yoke 8 are arched, as at 11 and secured to these arched portions are springs 12 which project downwardly from the yoke and are secured at their lower ends to the casing 1. These springs thus serve normally to pull downwardly on the yoke and thus to hold the foot lever or tongue 7 normally elevated. The rear ends of the yoke 8 are pivotally connected to links 13, these links extending loosely through openings 14 in the top of casing 1 close to the sides and back thereof.

A closure 14 is hingedly connected as at 15, to the back of casing 1 and has a recess 16 in its inner or bottom face. Ears 17 or the like extend from this closure and are pivotally engaged by the links 13. A disk 18 is mounted loosely in the recess 16 and is adapted to slide upon a centering pin 19 mounted in the center of the closure 14. A spring 20 extends around this pin and is interposed between closure 14 and disk 18 and serves to press the disk normally toward the inner or lower end of the pin 19, there being a receiving nut 21 or the like for holding the disk 18 against displacement. Said disk carries a gasket 22 of rubber or other suitable material. It is to be understood that under normal conditions the yoke 8 is drawn downward by springs 12 and, therefore, the links 13 pull downwardly on ears 17 and cause the closure 14 to bear downwardly on the casing 1. When the closure is thus positioned, the gasket 22 bears on the upper end of the receptacle 4 and thus places spring 20 under compression. Gasket 22 bears tightly against the receptacle 4 and thus thoroughly seals it under normal conditions. When it is desired to use the cuspidor, the tongue or lever 7 is depressed by the foot of the user and this causes springs 12 to be elongated and the links 13 to push upwardly against ears 17. Thus closure 14 will be swung upwardly and backwardly, thereby exposing the receptacle

4. After use, the lever or tongue 7 can be released, whereupon springs 12 will return all of the parts to their initial positions. Disk 18 will swing downwardly onto the upper end of receptacle 4 and gasket 22 will come into direct contact with said receptacle and seal it. Spring 20 permits disk 18 to yield to any necessary extent during the closing of the device. If desired a small opening 23 may be formed in one or both of the arms 13 so as to receive a nail or the like whereby the cover can be held in open position if desired.

What is claimed is:—

- 15 1. A cuspidor including a casing a receptacle suspended from the top thereof, the upper edge of the receptacle projecting above the top of the casing, a hinged closure, said closure having a recess in its lower face,
- 20 a guide pin extending into the recess from the closure, a disk slidably mounted on the pin, a spring interposed between the pin and closure, a sealing gasket carried by the disk and adapted, when the closure is shut, to
- 25 bear upon the upper edge of the receptacle, foot operated mechanism for opening the closure, and yielding means connected to

said mechanism for holding the closure shut.

2. A cuspidor including a casing, a receptacle suspended therein from the top thereof, the upper edge of the receptacle projecting above the casing, a foot lever pivotally connected to and extending beyond the casing, said lever including a yoke straddling the receptacle, a hinged closure, a disk movably connected to the closure, a spring interposed between the disk and closure, a sealing gasket carried by the disk and adapted, when closed, to bear downwardly on the upper edge of the receptacle to seal said receptacle and to place the spring under stress, a link connection between the yoke and the closure, said connection extending through the top of the casing, and yielding means connected to the yoke for holding the closure shut.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

HERMAN J. WIELAND.

Witnesses:

D. D. MORGAN,
A. L. WIELAND.