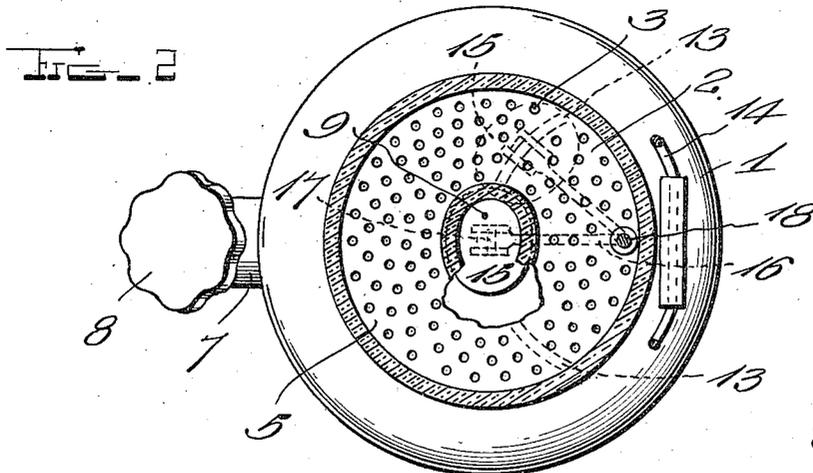
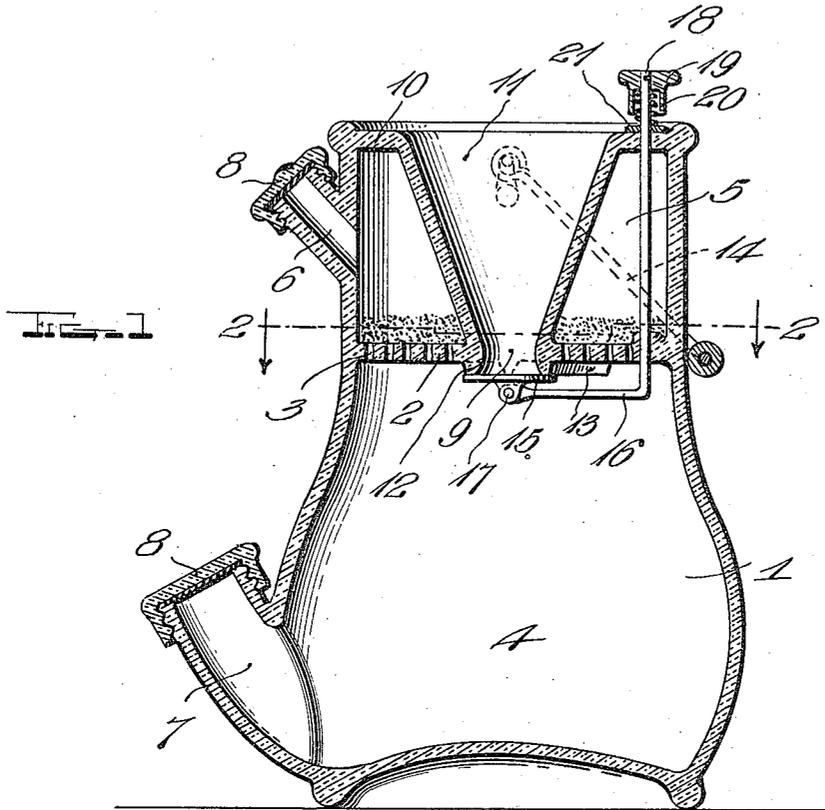


J. P. DARNALL.
 COMMODE.
 APPLICATION FILED DEC. 14, 1916.

1,237,483.

Patented Aug. 21, 1917.



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COMMODOE.

1,237,483.

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To all whom it may concern:

Be it known that I, JOHN PINKNEY DARNALL, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Commodes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in commodes, and the primary object of the invention is to provide a device of this character which will be absolutely odorless, and which is furthermore provided with disinfecting means carried in the same.

Another object of the invention is to provide a commode of this character having a lower compartment, and an upper compartment disposed above the same and carrying disinfecting material which is adapted to drop into the lower compartment upon movement of the commode.

Still another object of the invention is to provide a device of this character with a new and improved type of valve which closes a communicating funnel-shaped member between the top of the commode and the lower compartment, and which is operable from the outside of the commode.

A further object of the invention is to provide a device of this character which is easily and simply constructed, inexpensive to manufacture, and one which will be very efficient in operation.

With these and numerous other objects in view, my invention consists of the novel features of construction, and the combination and arrangement of parts which will be herein referred to and more particularly pointed out in the specification and claims.

In the accompanying drawings:—
Figure 1 is a central vertical section through the commode; and

Fig. 2 is a horizontal section on line 2—2 of Fig. 1.

In describing my invention I shall refer to the drawings in which similar reference characters designate corresponding parts throughout the several views. The numeral 1 designates my new and improved commode which is preferably formed of some earthenware material, although if desired it may be formed of metal, etc. The commode is provided with a horizontally ex-

tending partition 2 extending across the same adjacent its top and provided with a plurality of openings 3 therethrough.

This partition 2 will divide the commode into two compartments, the lower receiving compartment 4 and the upper disinfectant holding compartment 5. The upper and lower compartments 5 and 4 are provided with spouts 6 and 7 which have secured on their outer ends removable closures, as shown at 8.

The perforated partition 2 is provided with a central opening 9, and disposed above this partition, and extending inwardly from the upper edge of the commode is a flange 10. Connecting the inner edge of the flange with the partition, in such a manner that it surrounds the opening 9 in the same, is a funnel-shaped member 11. This funnel-shaped member 11 has its lower edge extending downwardly a short distance beneath the lower surface of the partition as shown at 12, and the same has extending therefrom at diametrically opposite points, arcuate ribs 13 that extend to the wall of the commode.

These ribs 13 are adapted to form guides in a manner to be hereinafter more fully described. The commode may be provided with the ordinary type of bail handle as shown at 14 so that the same may be easily moved from place to place. The spout 6 that communicates with the upper compartment is used to pour chlorid of lime or any other disinfecting material therein and the same may be held until upon movement of the commode a certain amount will drop down through the perforations in the partition 2 into the lower compartment 4. The spout 7 is used for emptying the lower compartment.

This commode is also provided with a valve mechanism which covers the lower contracted end of the funnel-shaped member 11 and which is operable outside of the same. By this means it is not necessary to provide the commode with a separate cover.

The valve which is designated by the numeral 15 comprises a flat plate slightly larger than the lower end of the funnel-shaped member, and adapted to engage, when in closed position, the lower projecting end 12 of the same. This valve plate 15 is operated by a stem which comprises an angular rod 16 having one end connected with the lower surface of the plate, as shown at 17, and its other end extending upwardly

through the partition 2 and the flange 10, while the projecting portion 18 of the same has secured thereto an operating knob 19. This knob 19 is rigidly secured to the free end of the rod so that upon rotation of the knob the rod will also be turned in either direction, as the upright portion of this rod is rotatably mounted through the partition 2 and the flange at the top of the commode so that it may easily turn.

To hold the plate 15 tightly against the bottom of the funnel at 12, I have provided the operating knob 19 with spring means which comprise a coiled spring 20 positioned between the notched bottom of said knob and the top of the flange. The lower end of this coiled spring rests on a washer 21 positioned in the bottom of the flange, while its upper end is positioned against the bottom of the knob. This spring will exert a constant upward pressure against the knob and consequently on the operating rod 16, whereupon the plate 15 will, when positioned over the opening, be tightly held against the projecting end 12 of the funnel 11.

In operation, it will be obvious that the upper compartment 5 may be readily filled with any desired kind of disinfectant through the spout 6, and when in normal position the valve plate 15 will cover the opening in the bottom of the funnel, as clearly shown in Fig. 2 of the drawings, in full lines.

When in use, the plate 15 is moved laterally from beneath the opening by grasping the knob 19 and rotating the same, whereupon the valve plate will slide along one of the guide ribs 13 on the lower surface of the partition. The knob 19 is pushed down a short distance before rotating so as to disengage the plate from the bottom of the funnel. After use, the valve is moved back into place, and this will close the opening through the top of the commode and make the device absolutely odorless. By this means it will be unnecessary to provide a separate cover for the device. Upon movement of the receptacle, a certain amount of the disinfectant will drop down through the perforations in the partition into the lower compartment.

From the foregoing description of the construction and operation of my new and improved commode, the manner of applying the same to use and the operation thereof will be readily understood and it will be seen that I have provided a simple and efficient means for carrying out the objects of the invention.

I claim:—

1. A commode of the class described having a horizontally extending perforated par-

tion therein forming upper and lower compartments in the same, said partition having an opening therethrough, a funnel-shaped member having its lower end surrounding said opening and its upper end connected with the upper edge of the upper compartment, and a valve mechanism operable outside of the commode to open and close the lower end of said funnel-shaped member.

2. A commode of the class described having a horizontally extending perforated partition therein forming upper and lower compartments in the same, said partition having an opening therethrough, a funnel-shaped member having its lower end surrounding said opening and its upper end connected with the upper edge of the upper compartment, a valve adapted to close the lower end of said funnel-shaped member, an operating stem for said valve extending through the commode, and spring means on the projecting end of said stem to hold the valve closed when disposed over said opening.

3. A commode of the class described having a horizontally extending perforated partition adjacent its upper end, said partition having a centrally disposed opening therethrough, an inwardly projecting flange on the upper edge of said commode, a funnel-shaped member having its lower end surrounding the opening in the partition and the upper end connected with the flange, a plate disposed beneath said opening in the partition, an angular operating rod connected with said plate and extending through the flange at the top of said commode, and a spring-pressed operating knob on the projecting end of said rod to hold the plate against the bottom of the partition.

4. A commode of the class described having a horizontally extending perforated partition adjacent its upper end, said partition having an opening therethrough, an inwardly projecting flange on the upper edge of said commode, a funnel-shaped member having its lower end surrounding the opening in the partition and its upper end connected with the flange, arcuate guide ribs on the lower surface of said partition extending from opposite sides of the opening, a plate disposed beneath said partition and adapted to cover the opening, and spring-pressed operating means to slide the plate from beneath the opening along one of the guide ribs.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOHN PINKNEY DARNALL,

Witnesses:

GEO. E. YOUNG,
W. C. BROWN.