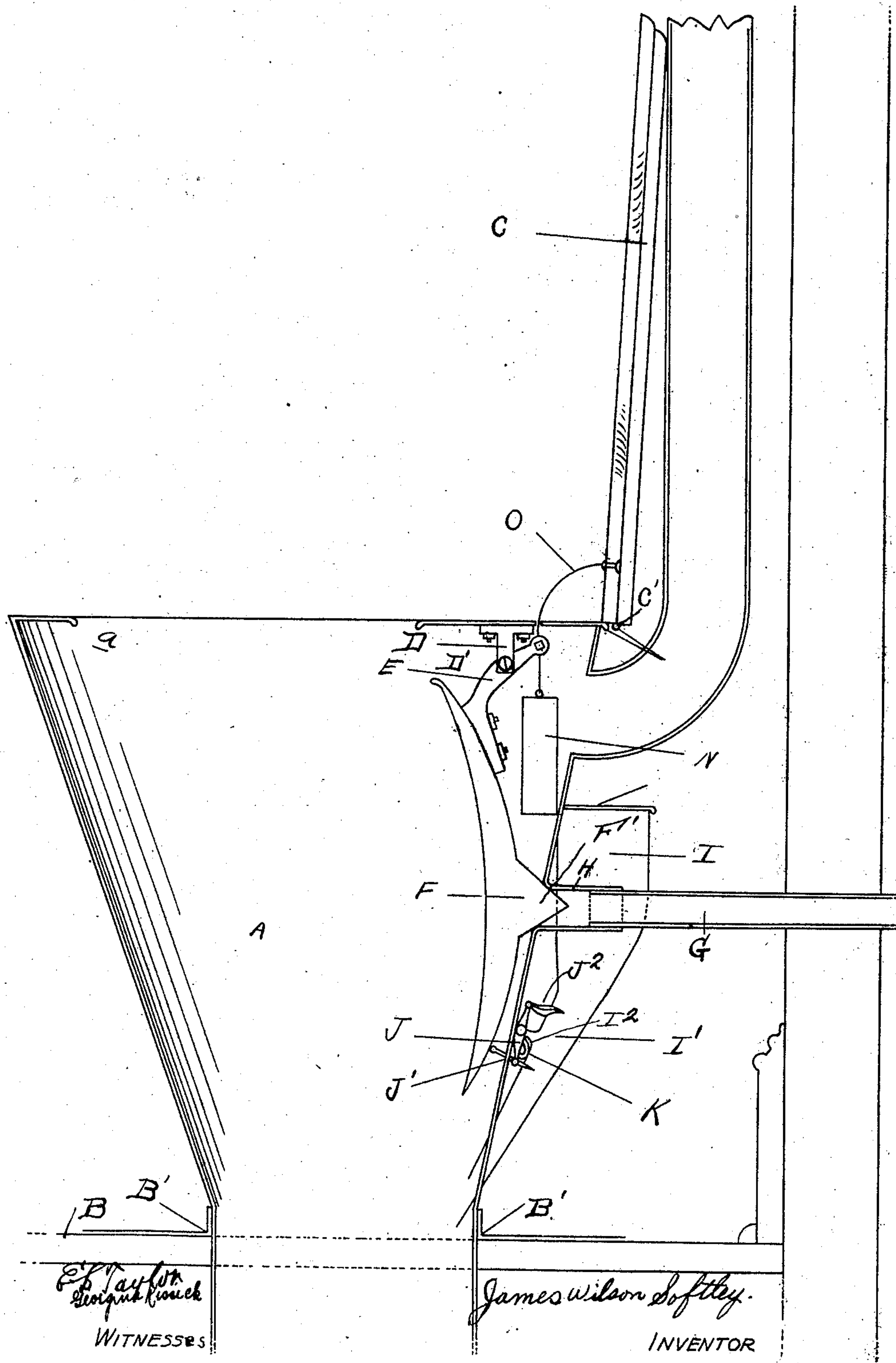


No. 850,263.

PATENTED APR. 16, 1907.

J. W. SOFTLEY.
SANITARY CLOSET.
APPLICATION FILED AUG. 24, 1906.



UNITED STATES PATENT OFFICE.

JAMES WILSON SOFTLEY, OF WINNIPEG, MANITOBA, CANADA.

SANITARY CLOSET.

No. 850,263.

Specification of Letters Patent.

Patented April 16, 1907.

Application filed August 24, 1906. Serial No. 331,944.

To all whom it may concern:

Be it known that I, JAMES WILSON SOFTLEY, a subject of the King of England, residing at Winnipeg, in the Province of Manitoba and Dominion of Canada, have invented certain new and useful Improvements in Sanitary Closets; and I do hereby 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 same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in sanitary closets, and comprises means whereby a disinfecting-chemical may be automatically dispensed from a suitable receptacle into the bowl and in the provision of a closure for the bowl and actuated automatically by the cover as the latter is opened and closed.

The invention consists, further, in various details of construction and combinations of parts, as will be hereinafter more fully described and then specifically defined in the appended claims.

I illustrate my invention in the accompanying drawing, in which is illustrated a vertical central sectional view through my sanitary closet.

Reference now being had to the details of the drawing by letter, A designates a closet-bowl, the lower portion of which passes through a hole in the floor B, suitable flanged plates B' being secured to the floor and their flanges fastened to the bowl, as shown.

C designates a cover which is hinged at C' to the bowl, and projecting downward from the laterally-extending flange of the bowl is a hanger D, carrying a pivot-pin D', upon which the handle E is mounted. A closure or valve F is fastened to said handle and is concaved upon its upper surface and convexed upon its bottom and is designed to be thrown up into a horizontal position against the flange *a* about the opening at the top of the bowl. A conical-shaped projection F' extends laterally from the convexed face of said closure and is designed when the closure is in the position shown in the drawing to close the exit-opening of the vent-

pipe G, connected horizontally to the tubular flange H of the bowl.

I designates a receptacle designed to hold a disinfecting-chemical and has an exit-pipe I' leading from the bottom thereof into the lower portion of the bowl. Projecting from the pipe I' is a bracket-finger I², upon which the rocking lever J is pivoted, which latter is pivoted at one end to a pin J' and its other end to a sliding valve J², which is adapted to control the passage of the disinfecting-chemical to the bowl. The outer end of the pin J' is disposed in the path of the swinging closure F, and each time the closure is thrown down the valve J² will be drawn out to allow the chemical to flow into the bowl. A spring K is interposed between the pipe I' and the lever J and serves to normally hold the valve J² closed. A counter-balance-weight N is connected to the end of the handle E, and a spring-bar O is also connected to said handle and to the cover C.

The operation of my invention is as follows: When the hinged cover is closed, the bar O will push down upon the end of the handle E and cause the closure F to swing up to a horizontal position, and the exit-pipe G will be opened and the valve J² closed. As the cover is raised the closure is thrown down into the position shown in the drawing, and the projection upon the closure will enter the exit end of the pipe or flange H and close same. As the closure strikes against the pin J the valve J² will be drawn out and the disinfecting-chemical allowed to flow into the bowl.

From the foregoing it will be seen that when the seat is closed there will be a thorough ventilation of the bowl, and when the seat is raised or opened the bowl will be perfectly disinfected.

What I claim is—

1. A sanitary closet, comprising a bowl and a hinged seat therefor, a closure hinged within the bowl, and connected to said seat, a valve upon said closure, a vent-pipe communicating with the bowl, a disinfecting-receptacle, a pipe leading therefrom to the bowl, a valve located in said pipe, and means connected to said valve, and actuated by said closure for causing the valve to open as the closure is lowered, as set forth.

2. A sanitary closet, comprising a bowl

and a hinged seat therefor, a closure hinged within the bowl, and connected to said seat, a valve upon the closure, a vent-pipe the exit end of which is designed to be closed by
5 said valve as the closure is lowered within the bowl, a receptacle designed to contain a disinfecting-chemical, a pipe leading from said receptacle to the bowl, a slide-valve in said pipe, a tilting lever, one end of which

is pivoted to said sliding valve, a pin connected to the other end of said tilting lever, as set forth.

Dated at Winnipeg this 12th day of June 1906.

JAMES WILSON SOFTLEY.

In presence of—

E. L. TAYLOR,

GEORGINA KISSICK.]