J. H. SHORTT.

WATER CLOSET.

APPLICATION FILED AUG. 5, 1913.

1,108,799. Patented Aug. 25, 1914.

fig 1

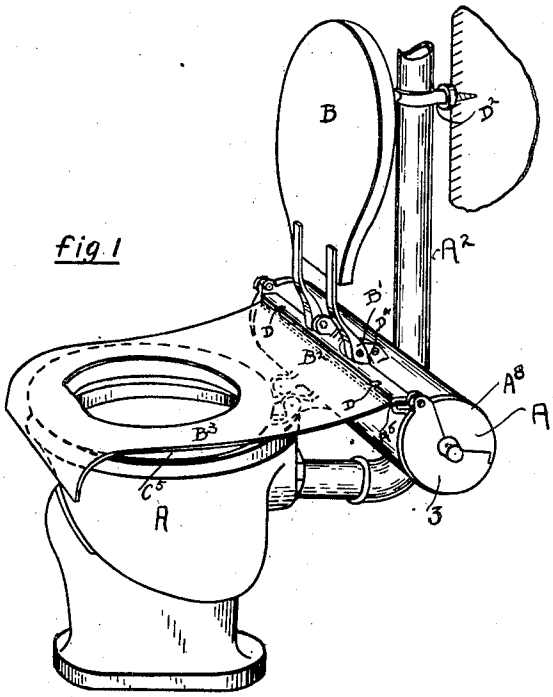


fig 2

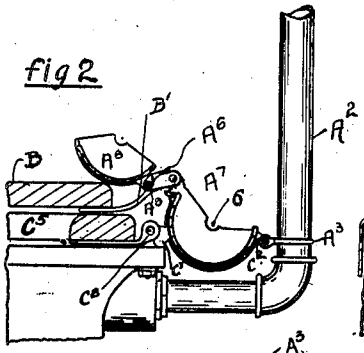
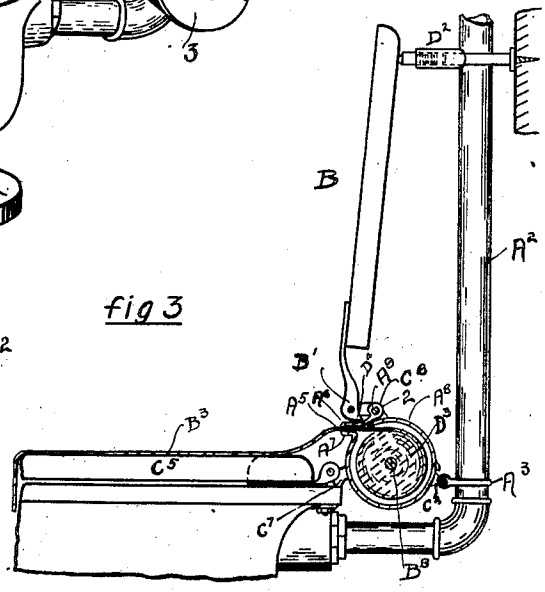


fig 3



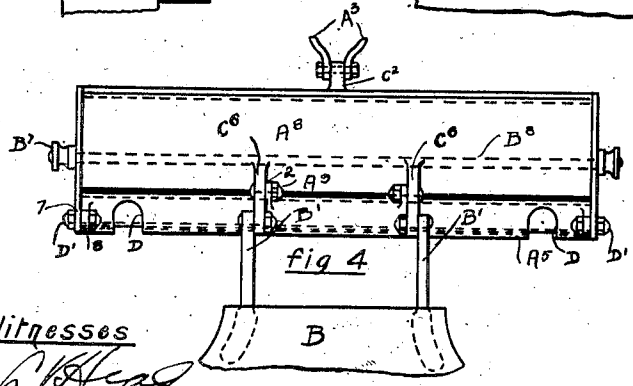


fig 4

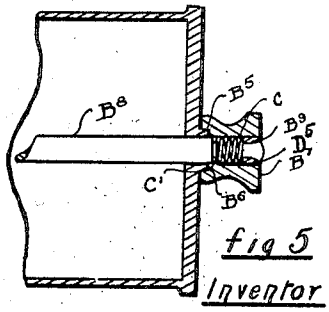


fig 5

Witnesses

Inventor

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UNITED STATES PATENT OFFICE.

JOHN HAGGERTY SHORTT, OF KEWANEE, ILLINOIS.

WATER-CLOSET.

1,108,799. Specification of Letters Patent. Patented Aug. 25, 1914.

Application filed August 5, 1913. Serial No. 783,193.

To all whom it may concern:

Be it known that I, JOHN HAGGERTY SHORTT, of the city of Kewanee, State of Illinois, in the United States of America, have invented certain new and useful Improvements in Water-Closets, of which the following is the specification.

My invention relates to improvements in water closets and the object is to provide a means whereby a series of antiseptic paper or like seat covers, may be conveniently extracted from a suitable container and drawn over the whole exposed surface of the seat of the water closet, in which the position of the cover of the closet is undisturbed by the opening and closing of the container cover, in which means are provided for holding the paper in proximity to the division between successive covers, while the used paper cover is being torn off, and in which means are provided for rigidly connecting the device to the closet of ordinary construction and it consists essentially of a cylindrical case divided longitudinally and segmentally and comprising a cover and a body portion, having an exit slot extending longitudinally of the case on that side adjacent to the closet and having jaws extending from each side thereof, means carried by the closet cover for forcing the jaws together to grip the paper, a spindle removably mounted in the casing to carry a roll of paper seat covers and means carried by the spindle for locking the cover of the case in its closed position, the parts being arranged and constructed in detail as hereinafter more particularly explained by the following specification.

Figure 1 is a general perspective view of a water closet with my device attached thereto. Fig. 2 is a sectional view of the case with the cover open ready to receive the paper roll. Fig. 3 is a similar view, showing the paper in position in the case. Fig. 4 is a plan view of the major portion of my device. Fig. 5 is an enlarged sectional detail of the end of the case showing the locking device for the cover of the case.

In the several drawings like letters of reference refer to like parts.

A is a water closet.

A^2 is the usual stand pipe leading thereto, and C^5 is the usual water closet seat provided with a cover B.

A′ is a cylindrical case divided segmentally and comprising the body portion 3 from which extend the lugs C^7 and C^2, the outturned jaw A^7 having an upwardly turned gripping edge and the lugs 7 and the cover portion A^8 having lugs 8 pivotally connected to the lugs 7 by the bolts D′ and intermediate lugs C^6. The end walls of the portions 3 and A^8 are provided with alined orifices 6 formed partly in each end wall and are surrounded with outwardly extending annular flange portions B^5 for the purpose which will hereinafter appear.

B′ are arms extending from the cover B. The arms B′ are pivoted at their outer ends to the lugs C^6 and in a line with the bolts D′. By this means, when the cover B is in the closed position, it will be undisturbed by the opening and closing of the portion A^8.

A^6 is a hinged jaw, having a turned gripping edge opposing the gripping edge of the jaw A^7.

2 are lugs extending from the jaw A^6. The lugs 2 are pivoted to the lugs C^6 by the bolts A^5.

D are recesses formed in the jaw A^6 into which the finger and thumb may be inserted and a new paper cover may be withdrawn from the casing after the used cover B^3 has been torn off at B^2.

B^8 is a rod supporting the roll of paper covers D^3 in the case A′. The ends of the rod extend into the holes 6 and have reduced projecting ends to which the heads B^9 are secured.

B^7 is a knob having an internal flange C′ and an annular recess B^6 into which the flange B^5 extends against the flange C′.

C is a spiral spring extending between the flange C′ and the head B^9. By drawing the knob B^7 longitudinally, the portion of the flange B^5, forming part of the casing cover, is freed from that portion forming part of the casing body allowing the cover A^8 to be raised and the rod removed for the purpose of inserting the new roll of paper.

D^2 is a spring pressed stop secured to the stand pipe A^2 and against which the seat cover rests in its open position.

D^4 are cam projections extending from the arms B′ rearwardly in proximity to the upper surface of the jaw A^6. By this means when the seat cover B is forced against the stop D^2, the cam D^4 presses on the jaw A^7, gripping the paper between the opposing turned edges of the jaws A^6 and A^7. The used paper may then be easily torn off.

By inserting the thumb and finger into the recess D, a new paper cover may be drawn

off the roll over the seat of the closet. Each seat cover is preferably divided by a cross row of perforations, so that they may be more easily separated.

From this description it will be seen that I have devised a very simple form of closet paper cover holding device which will allow of the paper having an uninterrupted passage from the feed slot of the casing over the seat, in which the ordinary cover of the closet is held in a stationary undisturbed position when closed, in which the casing holding the paper is rigidly secured in place, and in which the casing is automatically locked by placing the paper roll therein.

What I claim as my invention:

1. The combination with a closet of the class described, of a cylindrical case designed to receive and rotatably support a roll of antiseptic covers for the closet seat, such casing having a feed slot, a stationary jaw extending from one side of the feed slot and a movable jaw extending from the other side of the feed slot, a closet seat cover having a hinged support provided with cam shaped portions designed to bear against the hinged jaw when the cover is forced backwardly as and for the purpose specified.

2. The combination with a closet, of a cylindrical case carrying a rolled strip of paper for closet seats, having an exit slot through which the antiseptic covers pass, a rigid stationary jaw extending outwardly from the one side of the slot, a hinged jaw extending outwardly from the other side of such slot, and means operated by the closet seat cover for forcing the jaws together to grip the paper.

3. The combination with a closet, of a cylindrical case carrying a rolled strip of paper for closet seats having an exit slot through which the antiseptic covers pass, a rigid stationary jaw extending outwardly from the one side of the slot, a hinged jaw extending outwardly from the other side of such slot and a closet cover hinged to the cover of the case, such hinge having cam shaped extensions at the base rearwardly to engage and close the hinged jaw of the slot on the antiseptic seat cover passing through the slot.

4. In a closet, the combination with the seat member and closet cover of a suitably supported cylindrical casing divided longitudinally to form a body and cover portion and adapted to carry a roll of paper seat covers and having a feed slot through which the paper covers pass, a hinged connection between the body and the cover portion and a hinged connection in a line with the aforesaid connection whereby the closet cover is connected to the casing cover as and for the purpose specified.

5. The combination with a closet of the class described, of a cylindrical casing designed to receive and rotatably support a roll of antiseptic covers for the closet seat and comprising a body portion and a cover portion hinged together at the side next to the closet and a closet seat cover hinged to the casing cover in axial alinement with the hinged point of such cover, as and for the purpose specified.

6. The combination with a closet of the class described, of the cylindrical case designed to receive and rotatably support a roll of antiseptic covers for the closet seat and comprising a body portion and a cover portion hinged to the body portion at the side next to the closet, inverted L-shaped arms extending upwardly from the casing cover and forward and a closet cover hinged at the sides of the arms in axial alinement with the hinge connection between the cover casing and the body, as and for the purpose specified.

JOHN HAGGERTY SHORTT.

Witnesses:

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