

No. 721,576.

PATENTED FEB. 24, 1903.

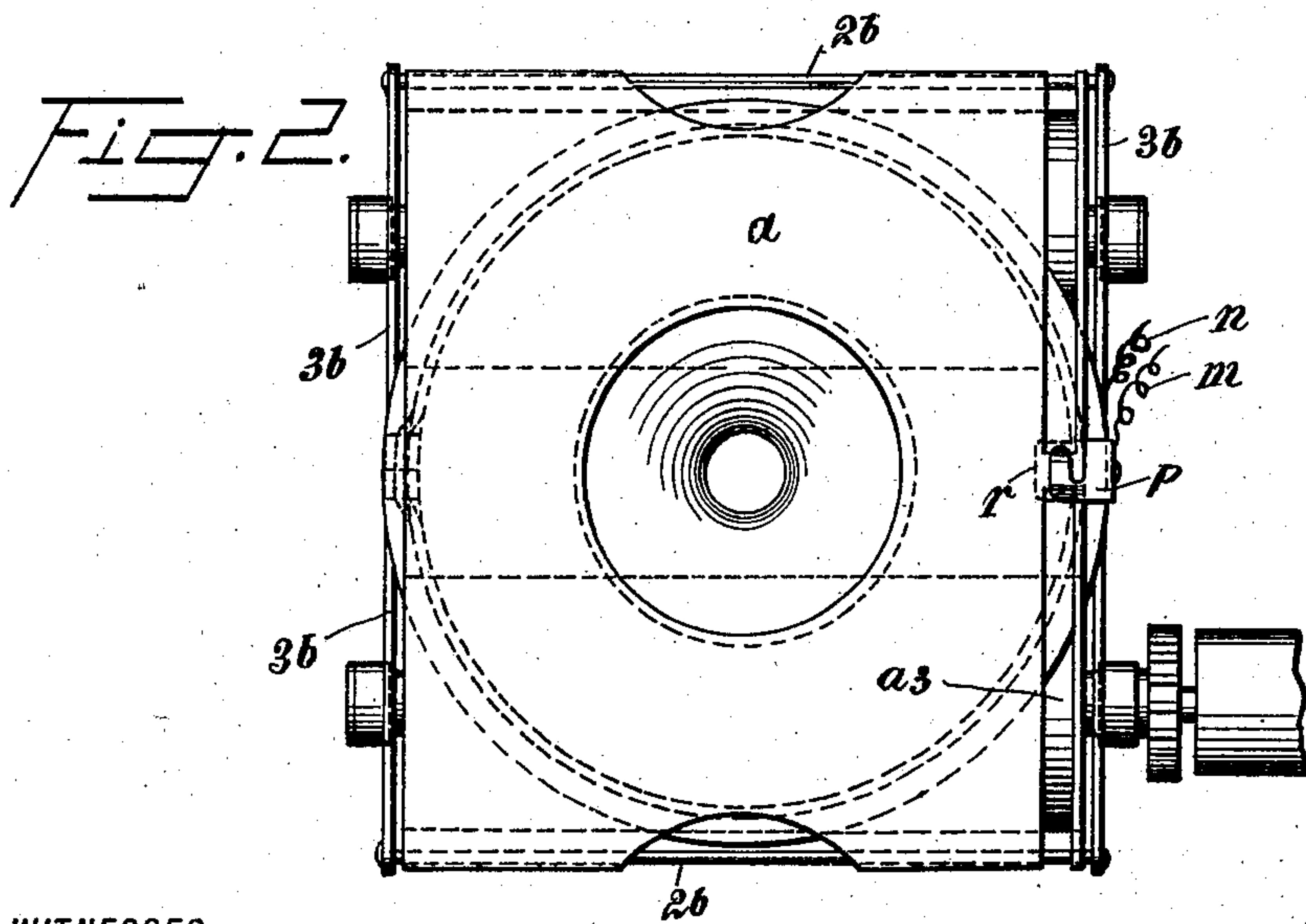
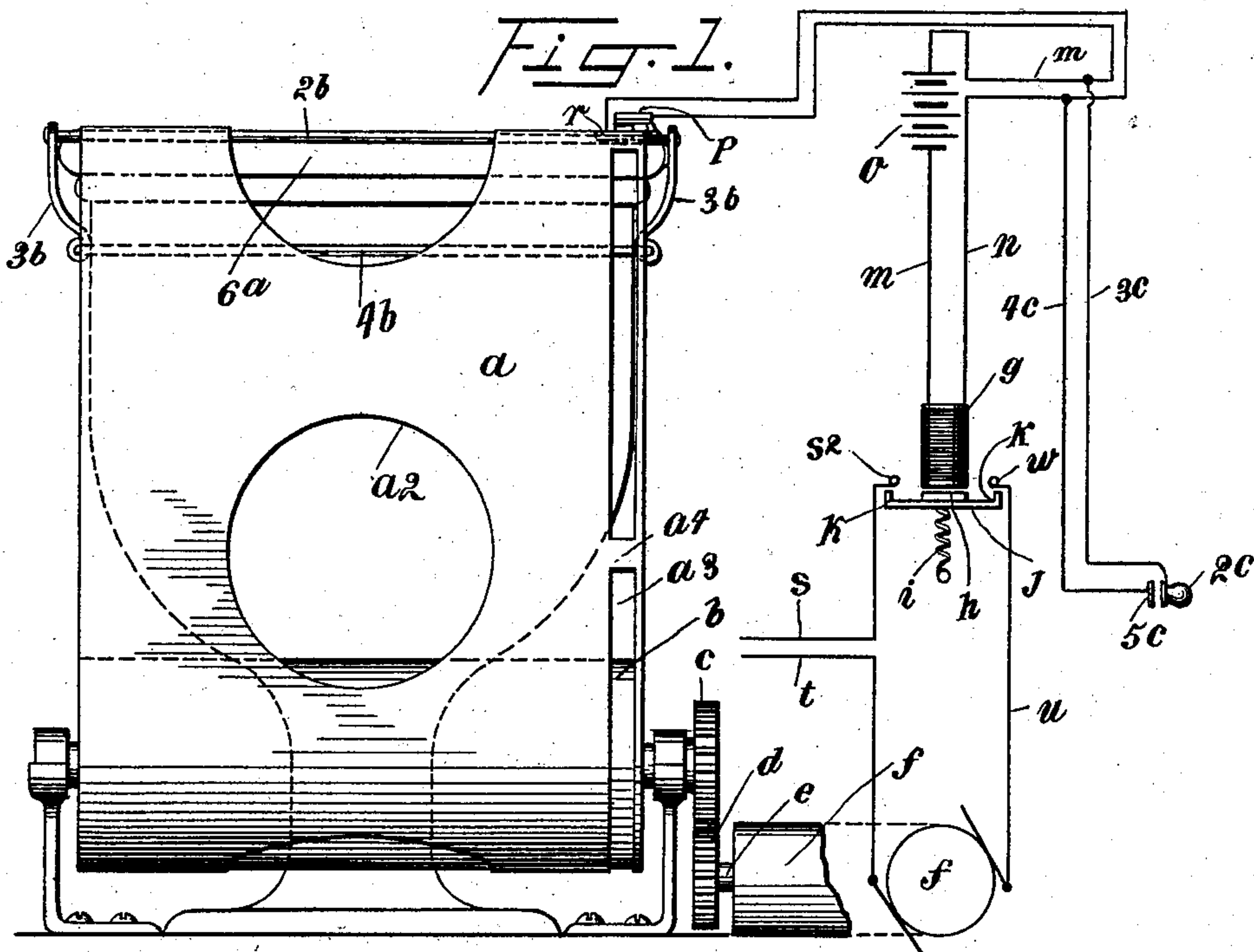
H. W. LEITCH.

SANITARY COVER FOR CLOSET BASIN SEATS.

APPLICATION FILED NOV. 19, 1901.

NO MODEL:

2 SHEETS—SHEET 1.



WITNESSES

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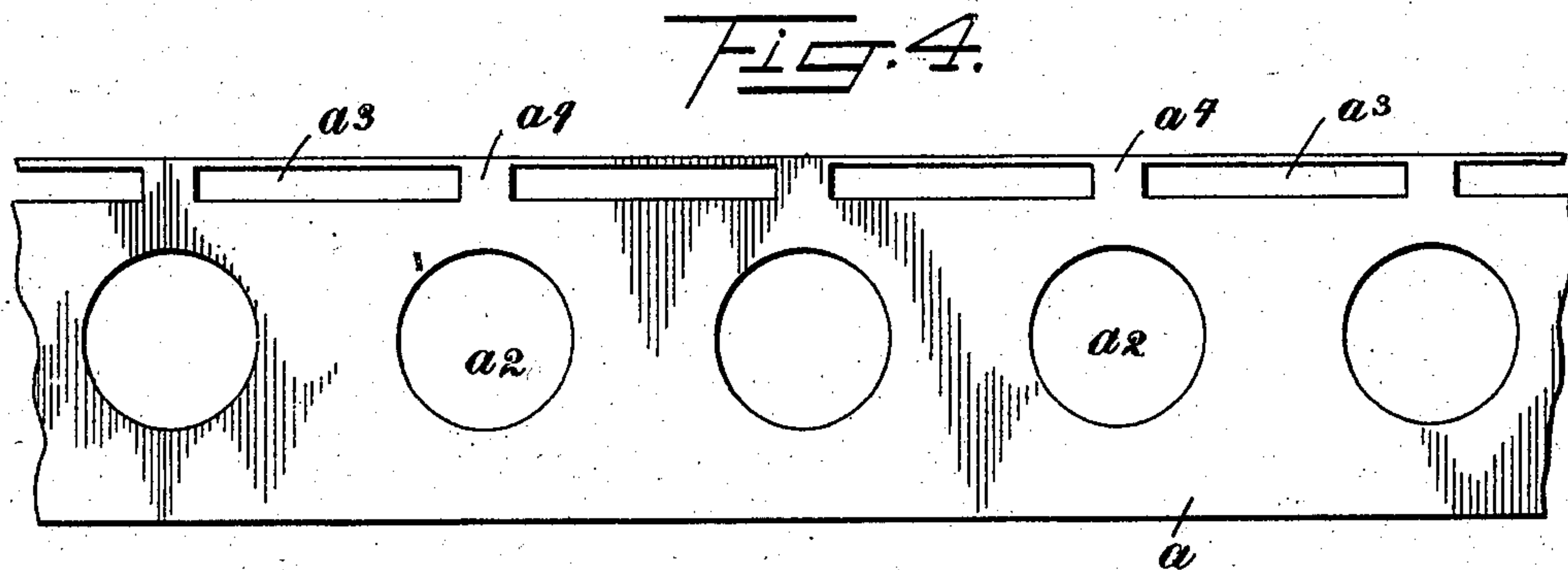
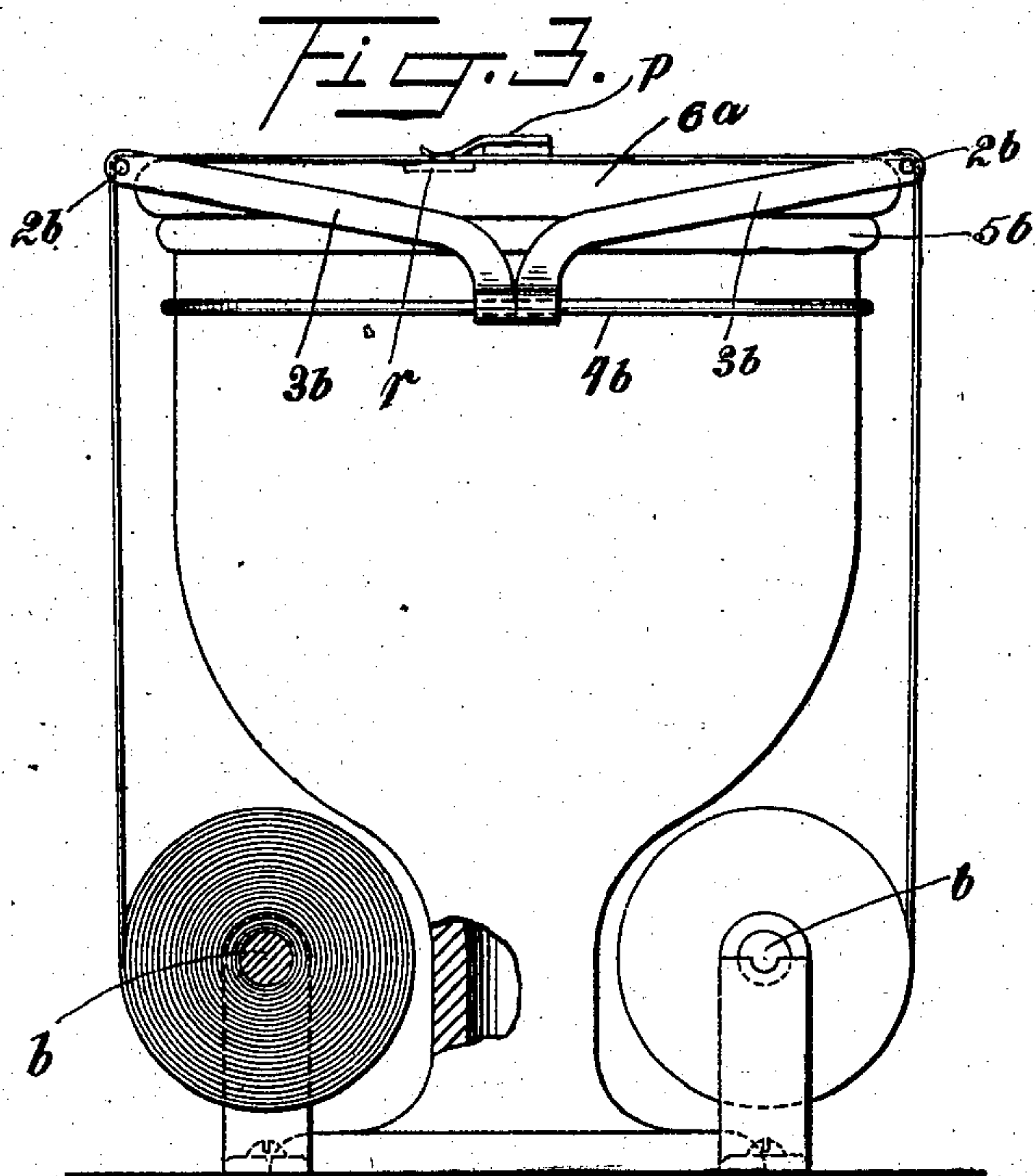
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NO MODEL.

2 SHEETS—SHEET 2.



WITNESSES

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HOWARD W. LEITCH, OF NEW YORK, N. Y.

SANITARY COVER FOR CLOSET-BASIN SEATS.

SPECIFICATION forming part of Letters Patent No. 721,576, dated February 24, 1903.

Application filed November 19, 1901. Serial No. 82,834. (No model.)

To all whom it may concern:

Be it known that I, HOWARD W. LEITCH, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Sanitary Covers for Closet-Basin Seats, of which the following is a full and complete specification, such as will enable those skilled in the art to which it ap-
10 pertains to make and use the same.

The object of this invention is to provide an improved flexible cover for the seat of a closet-basin, said cover being provided at regular intervals with holes which correspond
15 with that in the seat of the basin, and electrical devices for moving the cover over the seat of the basin whenever desired by simply pressing a push-button suitably located; and with this and other objects in view the invention consists in a device or devices of the class and for the purpose specified constructed as hereinafter described and claimed.

In the drawings forming part of this specification, Figure 1 is a side view of a water-
25 closet basin provided with my improvement and showing diagrammatical means for moving the cover for the seat of the basin; Fig. 2, a plan view of the basin and the parts connected therewith; Fig. 3, a view at right angles to Fig. 1, showing a part of the bottom
30 portion of the basin broken away; and Fig. 4, a plan view of a portion of the seat-cover which I employ.

In the practice of my invention I provide
35 a strip a of paper, which is preferably waxed or otherwise treated or rendered antiseptic, and this strip is provided at regular intervals with holes a^2 , which correspond with the hole or opening in the seat of the closet-basin, and
40 said strip is also provided adjacent to one edge thereof with longitudinal slots or openings a^3 , separated by intervening portions a^4 , one of which is adjacent to and in transverse line with each of the holes or openings a^2 .
45 The strip a is wound on two rollers b suitably supported at opposite sides of the basin and adjacent to the bottom portion thereof, as shown in the drawings, or said strip is wound on one of said rollers and connected with the
50 other so as to be rewound thereon, in which operation it is pulled over the basin and re-

wound on the last-named roller. The roller onto which the strip a is to be rewound or the shaft thereof is provided with a gear-wheel c , which operates in connection with the cor-
55 responding gear-wheel d on the shaft e of an electric motor f , and at a suitable point adjacent to the closet-basin is placed an electromagnet g , having a spring-operated armature h , which is normally retracted by a spring i
60 and which is provided with a transverse arm j , having two contact-points k , which project in the direction of the electromagnet g , and the magnet g is placed in a circuit composed of wires m and n and in which is placed a bat-
65 tery o , and one of said wires is connected with a contact-piece p , secured to one side of the seat 6^a of the closet-basin and in a transverse line with the center of the hole or opening in said seat, and the other wire n is connected
70 with a contact-piece r , placed in the top of the seat of the closet-basin under the end of the contact-piece p . I also employ two main circuit-wires s and t , which may be energized from
75 any suitable source, one of which is connected with the motor f and the other of which connects with a binding-post s^2 directly in front of one of the contact-points k of the arm j , which is connected with the armature h , and
80 another wire conductor u is also employed, which is in connection with the motor f and with the binding-post or similar device w , adjacent to and in front of the other contact-point k of the arm j . The end of the contact-
85 piece p is bent downwardly and normally rests upon one of the portions a^4 of the strip a , and as the said strip is drawn over the closet-seat, the said end of the contact-piece
90 p moves in the slots a^3 and is always in contact with the piece r , except when it rests on one of the intervening portions a^4 of the strip a .

At the opposite sides of the closet-basin and at the top thereof are parallel rods 2^b , over which the strip a is drawn, and these
95 rods are supported by curved arms 3^b , connected with a band 4^b , which passes around the top portion of the basin beneath the annular bead 5^b at the top thereof, and the object of the rods 2^b , which may be substituted
100 by ordinary rollers, if desired, is to provide means whereby the strip a may be drawn

straight across the circular cover or seat of the basin at all times and also to form a horizontal support for said strip.

The operation will be readily understood from the foregoing description when taken in connection with the accompanying drawings and the following statement thereof.

In order to start the motor, all that is necessary is to press the button 2^c, which is in connection with the wire *m* by means of a wire 3^c, which operation serves to close a circuit through a wire 4^c, which is connected with the wire *n* and with a post or other contact device 5^c, arranged adjacent to said button 2^c. A circuit is thus closed through the electromagnet *g*. The armature *h* and transverse arm *j* are retracted by said magnet, bringing the contact-points *k* into contact with the binding-posts or similar devices *w* and *s*². The motor is thus energized and the gear *c* is operated to turn the roller on which the cover *a* is rolled after use. The contact-piece *p* rests upon the several portions *a*¹ of the cover *a*, intermediate of the openings *a*³. As soon, however, as the cover *a* is started in motion the contact-piece *p* is allowed to contact with the contact-piece *r*, completing a circuit through the wires *m* and *n* and causing a continuance of the energization of the motor *f*, thus permitting the button 2^c to be released. When the next hole or opening in the cover *a* is in proper position, one of the intermediate portions *a*⁴ of the cover *a* passes beneath the contact-piece *p* and separates the same from the contact-piece *r*, thus opening the circuit through the electromagnet *g* and stopping the motor *f*, and to again start the cover *a* in motion the button 2^c is pressed, as before, and this succession of operations, as before described, may be continued until the cover *a* is entirely used up, it being apparent that a new cover may be substituted whenever desired.

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

1. The combination, with a closet-basin; of rollers supported at the opposite sides there-

of, a strip provided at regular intervals with openings, a motor for unwinding said strip from one of the rollers and onto the other, and controlling means for said motor embodying an electrical circuit maker and breaker, a contact device mounted upon the basin, and a movable contact device adapted to be engaged with said first-named contact device through slots or openings in said strip to close a circuit through slots or openings in said strip to close a circuit through said electrical circuit maker and breaker.

2. The combination, with a closet-basin; of rollers supported at the opposite side thereof; a strip provided at regular intervals with openings, and a motor for unwinding said strip from one of said rollers onto the other of said rollers, and controlling means for said motor comprising an electrical circuit maker and breaker, a contact device mounted upon said basin, a movable contact device arranged for contact with said first-named contact device through slots or openings in said strip to close an electrical circuit through said electrical circuit maker and breaker, and independent means for closing an electrical circuit through said electrical circuit maker and breaker.

3. The combination, with a closet-basin; of rollers supported at opposite sides thereof; a strip provided at regular intervals with openings, an electric motor for unwinding said strip from one of said rollers onto the other of said rollers; and controlling means for said motor; said controlling means comprising an electrical circuit maker and breaker operated by said strip in the movement thereof, and independent means for initially closing the electrical circuit maker and breaker.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 18th day of November, 1901.

HOWARD W. LEITCH.

Witnesses:

F. A. STEWART,
F. F. TELLER.