

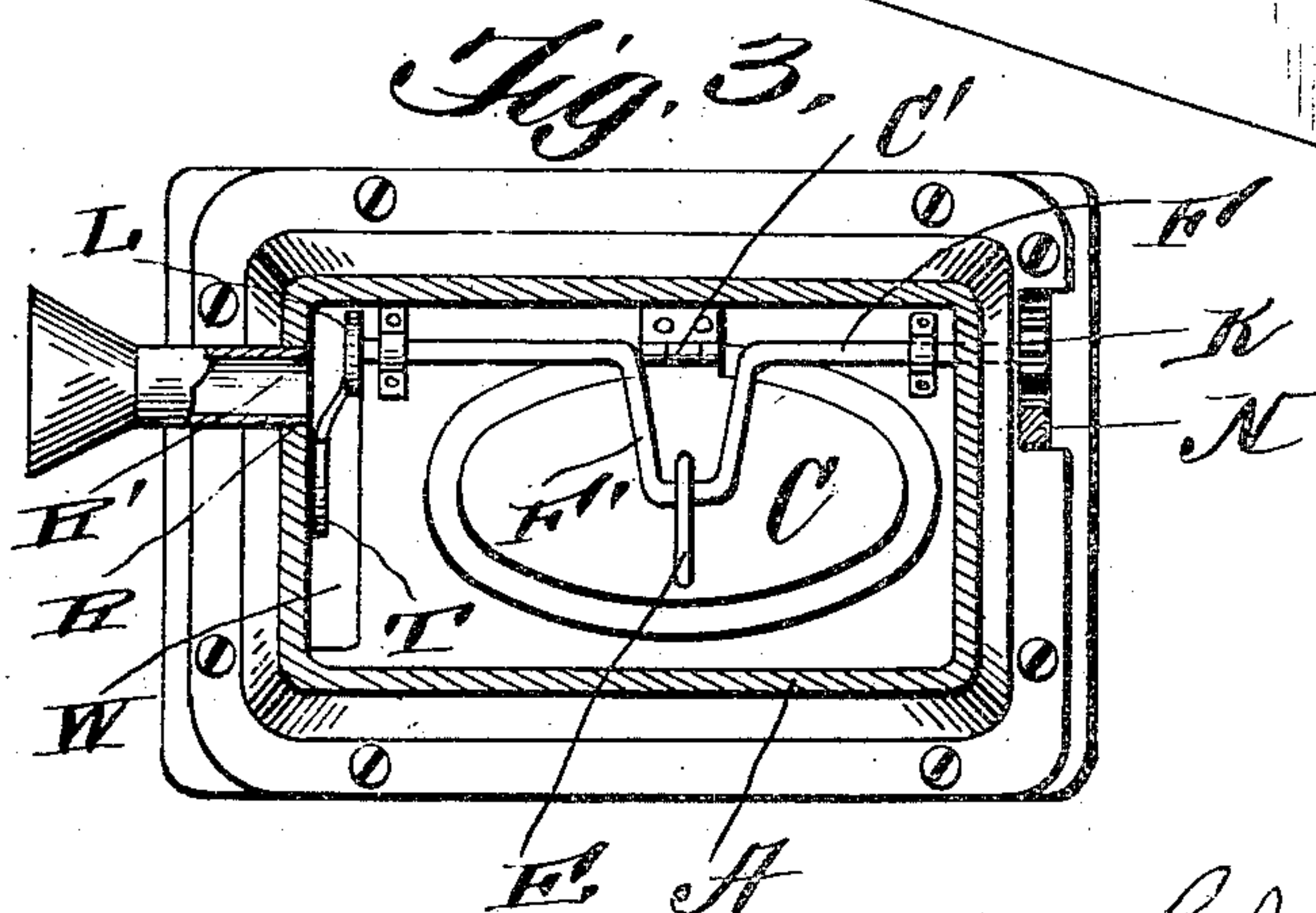
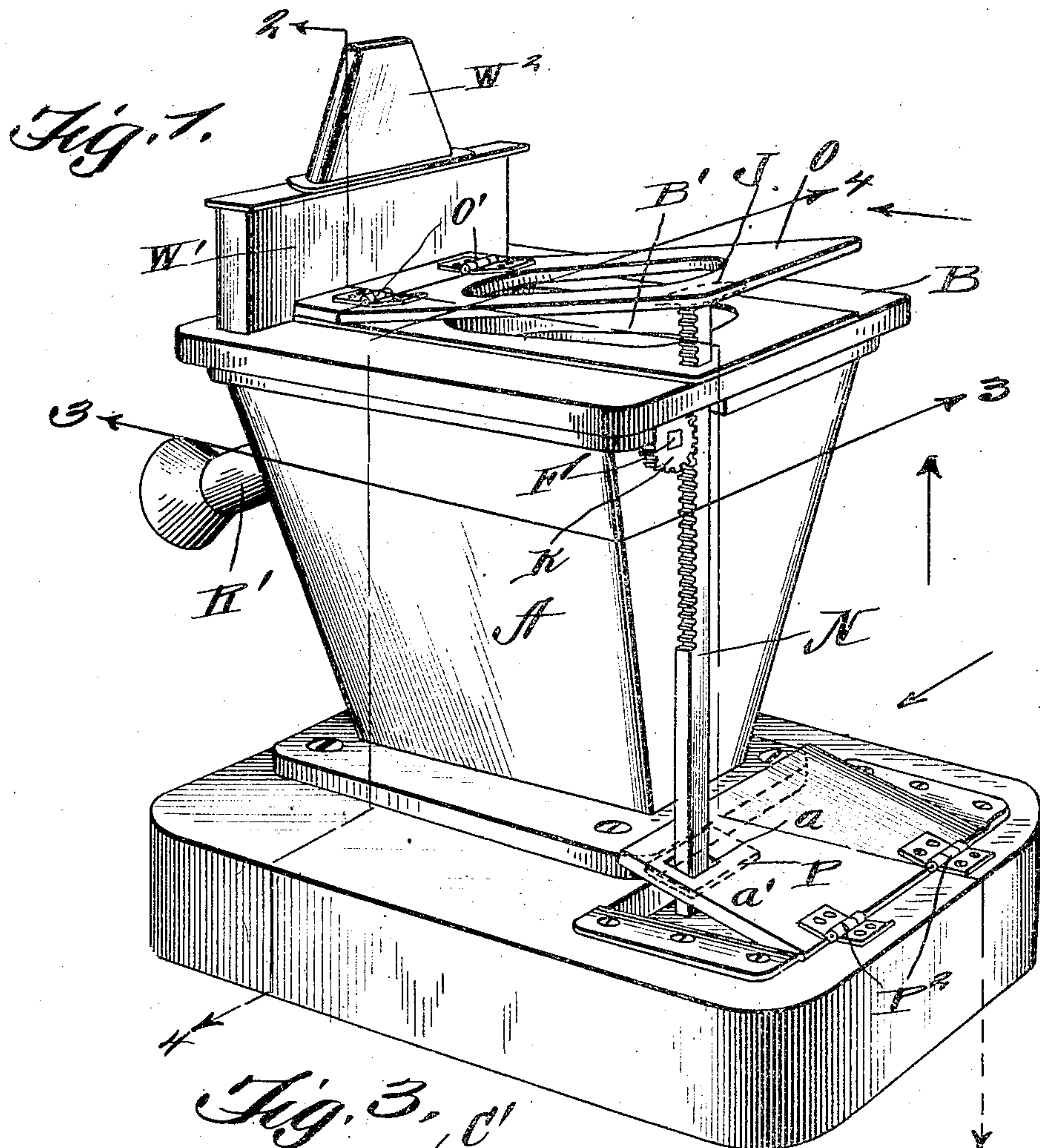
No. 898,225.

PATENTED SEPT. 8, 1908.

C. KELLEY.
CLOSET.

APPLICATION FILED MAY 28, 1907.

2 SHEETS—SHEET 1.



Witnesses

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CHARLES KELLEY, OF TORONTO, ONTARIO, CANADA.

CLOSET.

No. 898,225.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES KELLEY, a subject of the King of England, residing at Toronto, Ontario, Canada, have invented 5 certain new and useful Improvements in 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 10 make and use the 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 15 improvements in closets and the object of the invention is to produce an apparatus of this nature which will be as an improvement upon closets already produced, and comprises various details of construction and combina- 20 tions and arrangements of parts which will be hereinafter fully described and then specifically defined in the appended claims.

My invention is illustrated in the accompanying drawings, in which:—

25 Figure 1 is a perspective view of the apparatus. Fig. 2 is a sectional view on line 2—2 of Fig. 1, parts being shown in elevation. Fig. 3 is a sectional view on line 3—3 of Fig. 1, and Fig. 4 is a sectional view on line 4—4 of 30 Fig. 1.

Reference now being had to the details of the drawings by letter, A designates a bowl which may be of any desired shape or size and B is a fixed seat or platform provided 35 with an opening B' therein, about the lower marginal edge of which is a felt or cushion of any suitable material and C is a basin which is hinged at C' to the under side of the seat. Said basin is of a shape preferably corre- 40 sponding to the shape of the opening in said seat and has a transversely disposed strap E, the ends of which are fixed to the under convexed surface thereof and spaced apart therefrom, and F designates a rock shaft which is 45 bent to form a loop F', designed to have a sliding pivotal connection with said strap. Said shaft is mounted in suitable bearings and has at its outer end a pinion K, fixed thereto, which is in mesh with the teeth of a rack bar 50 N, having a vertical plan in said seat and in an aperture *a* formed in the platform *a'*. The upper end of said rack bar projects above the upper surface of said seat and is in the path of the auxiliary hinged seat O which is 55 hinged at O' to the fixed seat in the manner clearly shown in the drawings. A plate J is

fixed to the under side of said auxiliary seat and adapted to contact with the upper end of the rack bar and cause the latter to be thrown downward as the auxiliary seat is de- 60 pressed.

Mounted within a casing Q underneath the platform is a coiled spring Q' and into which casing the lower end of said rack bar is adapted to extend, and to be acted upon by said spring, 65 which spring serves to hold the rack bar at its highest upward throw. The inner end of said rock shaft has a grooved pulley L fixed thereto and I designates a chain, one end of which is fastened to the circumference of said 70 pulley about which the chain is adapted to wind and M designates a weight which is fastened to said chain, said weight being provided for the purpose of cooperating with the spring to cause the basin to be held nor- 75 mally closed against said felt or other material about the opening in the seat for the purpose of forming a tight fit.

R designates an aperture which is formed in the wall of said bowl and through which a 80 pipe R' leads. Fixed to an arm, which is fastened to said pulley L, as a valve T which is adapted, as said shaft is rocked, to close over the inner end of said pipe R'. Leading from the upper rear portion of said bowl is an 85 elongated slot W which communicates with the boxing W' which has a funnel shaped pipe W² leading from an aperture in the top thereof and to which a pipe or flue may be connected if desired. Fixed to said rack bar 90 is a plate P upon which the free end of the platform is adapted to rest, said platform being hinged at P² to the support upon which said bowl rests. It will be noted that, when the hinged platform is depressed, it will con- 95 tact with the plate upon the rack bar and cause the latter to be depressed against the action of the weight and spring described, which will cause the basin to be swung down to a vertical position and the valve to close 100 over the inner end of the vent pipe leading through the wall of the bowl.

By the provision of the rack bar and hinged platform, as shown and described, it will be noted that the apparatus may be op- 105 erated in the event of any foreign matter getting underneath the hinged platform and which, with the ordinary forms of apparatus of this nature, would hinder the closing of the basin. 110

What I claim to be new is:—

1. A closet comprising a bowl, a hinged

seat, a vertically disposed rack bar passing freely through an opening in a flange of the bowl and adapted to bear against said seat, the teeth of said rack bar being in mesh with
 5 said pinion, a hinged basin, a rock shaft having a laterally extending portion engaging a strap upon the outer face of said basin, designed to have a sliding play intermediate the strap and basin, a pinion fixed to said
 10 rock shaft, a hinged platform at one side of said bowl adjacent to the bottom thereof, said rack bar having a free movement through the opening in said platform, a shoulder upon the rack bar upon which said
 15 platform rests, and a spring adapted to normally hold the rack bar at its highest throw, as set forth.

2. A closet comprising a bowl, a hinged seat, a vertically disposed rack bar passing
 20 freely through an opening in a flange of the bowl and adapted to bear against said seat, the teeth of said rack bar being in mesh with said pinion, a hinged basin, a rock shaft having a laterally extending portion engaging a
 25 strap upon the outer face of said basin, designed to have a sliding play intermediate the strap and basin, a pinion fixed to said rock shaft, a hinged platform at one side of said bowl adjacent to the bottom thereof, said
 30 rack bar having a free movement through the opening in said platform, a shoulder upon the rack bar upon which said platform rests, a casing underneath said platform, a spring positioned within the casing, a disk at the
 35 lower end of said rack bar adapted to bear against said spring and guided by the walls of said casing, as set forth.

3. A closet comprising a bowl, a hinged seat, a vertically disposed rack bar passing
 40 freely through an opening in a flange of the bowl and adapted to bear against said seat, the teeth of said rack bar being in mesh with said pinion, a hinged basin, a rock shaft having a laterally extending portion engaging a

strap upon the outer face of said basin, de- 45
 signed to have a sliding play intermediate the strap and basin, a pinion fixed to said rock shaft, a hinged platform at one side of said bowl adjacent to the bottom thereof, said rack bar having a free movement 50
 through the opening in said platform, a shoulder upon the rack bar upon which said platform rests, the top of said casing having an apertured closure through which said rack bar has a longitudinal play, a spring mount- 55
 ed within the casing, a disk fitted to the lower end of the rack bar and adapted to bear against said spring, as set forth.

4. A closet comprising a bowl, a hinged seat, a vertically disposed rack bar passing 60
 freely through an opening in a flange of the bowl and adapted to bear against said seat, the teeth of said rack bar being in mesh with said pinion, a hinged basin, a rock shaft having a laterally extending portion engaging a 65
 strap upon the outer face of said basin, designed to have a sliding play intermediate the strap and basin, a pinion fixed to said rock shaft, a hinged platform at one side of said bowl adjacent to the bottom thereof, 70
 said rack bar having a free movement through the opening in said platform, a shoulder upon the rack bar upon which said platform rests, the top of said casing having an apertured closure through which said 75
 rack bar has a longitudinal play, a spring mounted within the casing, a disk fitted to the lower end of the rack bar and adapted to bear against said spring, a pivotal valve, and connections between the same and said rock 80
 shaft, as set forth.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

CHARLES KELLEY.

Witnesses:

BERT JACOBS,
 FRANK A. CARPENTER.