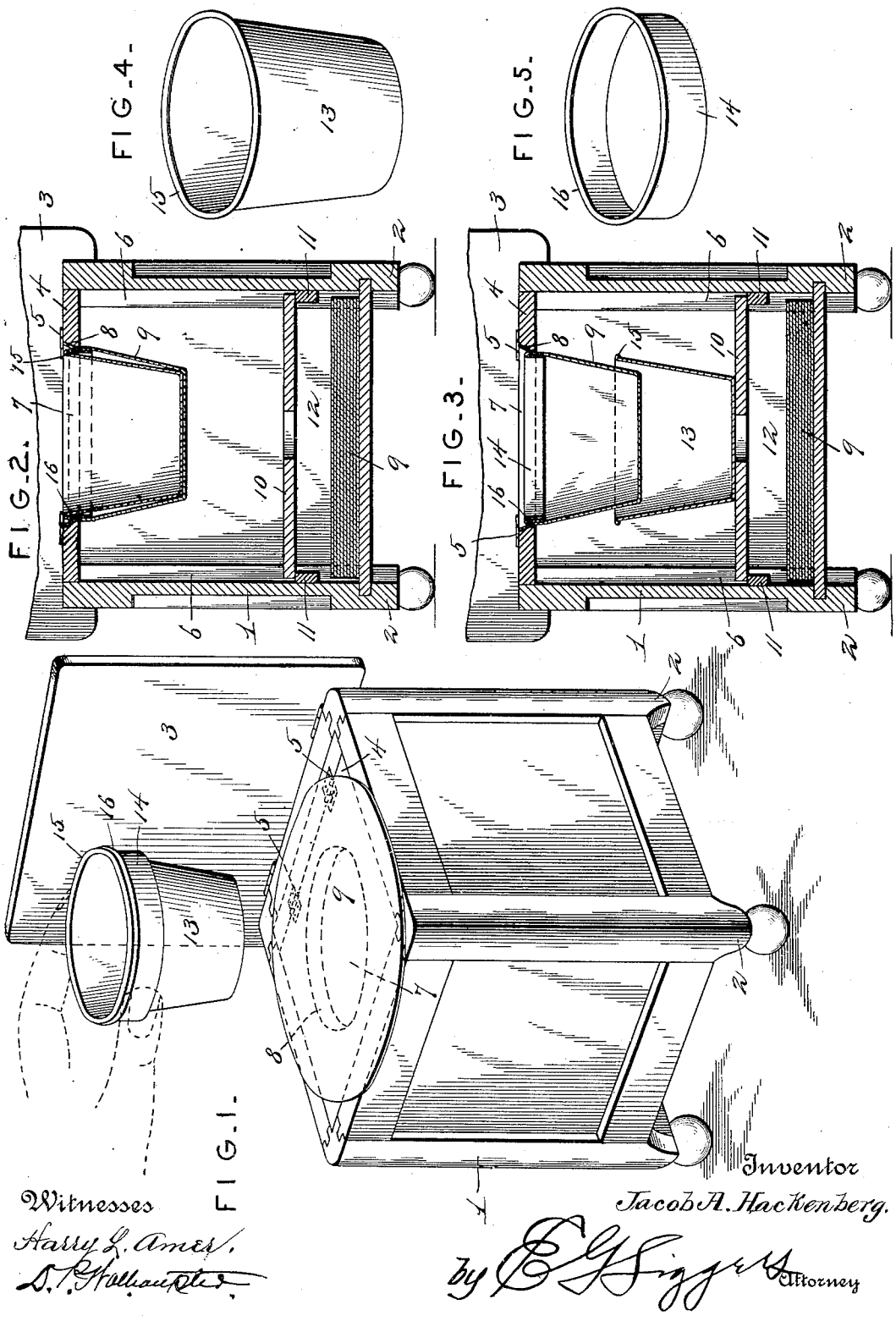
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J. A. HACKENBERG.

COMMODE ATTACHMENT.

(Application filed Aug. 2, 1899.)

(No Model.)



Witnesses
Harry L. Ames.
D. P. Wallace.

Inventor
Jacob A. Hackenberg.
by E. G. Siggers
Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JACOB A. HACKENBERG, OF PHŒNIXVILLE, PENNSYLVANIA.

COMMODE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 657,103, dated September 4, 1900.

Application filed August 2, 1899. Serial No. 725,901. (No model.)

To all whom it may concern:

Be it known that I, JACOB A. HACKENBERG, a citizen of the United States, residing at Phœnixville, in the county of Chester and State of Pennsylvania, have invented a new and useful Commode Attachment, of which the following is a specification.

This invention relates to commodes, and has special reference to an improved commode attachment having simple and efficient means for forming a replaceable soil-bag without seams or joints and to entirely obviate leakage, while at the same time permitting of the offensive matter being handled with convenience and cleanliness.

To this end the invention primarily contemplates a soil-bag-forming device associated with a commode as an intimate part thereof and combining therewith to produce a commode attachment insuring perfect cleanliness and reducing the escape of odor when in use to a minimum.

A further object of the invention is to provide a construction in which the matter is entirely received by the replaceable soil-bag, which is of such formation that it can be thrown away after once using and replaced by a new one.

The invention also contemplates a construction which permits of the convenient disposition of the matter without contaminating the hands or any part of the commode.

With these and other objects in view, which will more readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination, and arrangement of parts hereinafter more fully described, illustrated, and claimed.

The essential features of the invention are susceptible to some modification without departing from the spirit or principle thereof; but the preferred embodiment of the improvements is shown in the accompanying drawings, in which—

Figure 1 is a perspective view of a commode, showing the improved attachment about to be applied thereto, the circular paper blank being spread upon the seat and the former and clamping-ring in position for being forced down upon the same. Fig. 2 is a sectional view of the commode, showing the former and clamping-ring pressed to their extreme positions. Fig. 3 is a similar view showing the former removed and placed inside of the casing or cabinet to form a supplemental commode vessel. Figs. 4 and 5 are details in perspective, respectively, of the former and clamping-ring.

Like numerals of reference designate corresponding parts in the several figures of the drawings.

Referring to the accompanying drawings, 1 designates the portable casing or cabinet of the commode, essentially consisting of a rectangular box open at the top and provided at its bottom corners with pendent supporting-feet 2, which provide for holding it in a properly-elevated position above the floor. The said casing or cabinet 1 can be readily moved from place to place and is designed to be covered at the top thereof by a hinged lid or cover 3, which is closed when the commode is not in use, so that the same presents the appearance of a box or stool. Within the open top portion of the casing or cabinet there is arranged a seat-board 4, which fits flush within said open top of the casing or cabinet, so as to not interfere with the lid or cover closing perfectly flat upon the top thereof, and the said seat-board 4 is hinged at one edge, by means of the hinges 5, to the casing, so that it may be readily thrown open to uncover the top of the casing, and thereby permit access to the interior thereof. When closed, the unhinged edge of the seat-board 4 rests upon the stop-cleats 6, fitted inside of the casing, as plainly shown in Figs. 2 and 3 of the drawings.

The hinged seat-board 4 at the top of the casing is provided therein with a seat-opening 7, having a beveled or chamfered edge 8 and adapted to receive therein a replaceable bag-forming blank 9. Inasmuch as each soil-bag is thrown away when once used and replaced by a clean one, a number of blanks 9 may be kept on hand, and to provide for conveniently storing a supply of the blanks 9 within the commode the casing or cabinet has arranged within the bottom portion thereof a removable false bottom 10, resting upon the cleats 11 at the sides of the casing and forming between the same and the main bottom a compartment 12 for a number of blanks.

The paper blank 9 of which the soil-blank

is formed consists of a single circular sheet of waterproof paper, such as parchment-paper, which by reason of being entirely without seams or joints will produce a soil-bag from which there can be no leakage in the use of the commode.

To provide for forming a soil-bag out of the circular paper blank 9, there are associated with the same a frusto-conical former 13 and a clamping-ring 14. The frusto-conical former 13 is preferably in the form of a hollow body, so that the same after having been used to shape the bag may be placed within the case or cabinet as a supplemental commode vessel. The said former is provided at the upper edge thereof with an exterior peripheral bead 15, which engages with a similar bead 16, formed at the upper edge of the flat clamping-ring 14. The clamping-ring 14 is preferably in the form of a flat band and is adapted to loosely receive the tapering former 13, so that the latter may be readily removed from the ring after having made the bag.

In making the soil-bag one of the circular paper blanks 9 is spread in a flat condition over the seat-board 4. The former 13 is placed within the ring 14 and then firmly holding the former and ring they are pressed against the paper blank and through the said opening 7, thereby causing the blank to assume the shape of a complete seamless and jointless bag. The downward movement of the former is continued until the clamping-ring is forced tightly into said opening 7. The former is then removed and may be placed inside of the casing upon the false bottom to form a supplemental commode vessel into which the soil-bag after being used may be dropped to provide a cleanly way for disposing of the same. Of course it is not entirely necessary to use the former as a commode vessel, because the bag after having been used may be gathered up by the hand at the upper clean edges thereof, lifted out of the seat-opening, and carried away.

When the clamping-ring has been forced into position in the seat-opening, it will be observed that the edges thereof rest against the beveled or chamfered edges of the seat-opening, and thereby serve to tightly clamp the bag in place. The weight of the user also adds to the binding engagement of the clamping-ring within the seat-opening.

From the foregoing it is thought that the construction and operation and many advantages of the hereinbefore-described commode attachment will be readily apparent without further description, and it will be understood that changes in the size, shape, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

Having thus described the invention, what is claimed is—

1. As a means for forming and attaching a soil-bag to a commode, the combination of a seat adapted to receive a bag-blank, a former coöperating with the seat in the formation of a soil-bag from the blank thereon, and a clamping-ring of a size exceeding the former and fitted on and movable with said former into coöperative relation to the seat, said former and clamp acting successively on the blank to produce the bag and clamp the same to the seat, as set forth.

2. As a means for forming and attaching a soil-bag to a commode, the combination with the seat adapted to receive a bag-blank, of a former provided at its upper end with a projection forming a clamp-stop and said former coöperating with the seat by passing therethrough to form a soil-bag from said blank, and a clamp fitted on the former to contact the stop thereon and movable with said former into coöperative relation to the seat and to the bag produced by the former, said clamp acting on the bag subsequent to the action of the former, as set forth.

3. As a means for producing a soil-bag and attaching the same to a commode, the combination with the seat adapted to receive a bag-blank, of a former provided at its upper end with an annular bead forming a clamp-stop, and a clamping-ring conforming to the former and fitted loosely thereon in engagement with the annular bead, said ring being movable with the former and both the former and ring coöperating with the seat successively in the formation and clamping of a soil-bag from a blank, said former being withdrawable freely from the ring subsequent to the engagement of the latter with the bag, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JACOB A. HACKENBERG.

Witnesses:
WM. A. DORMAN,
CHARLES WEILAND.