No. 669,215. Patented Mar. 5, 1901.

D. GRANT & A. MACPHERSON.

COVER FOR SEATS OF CLOSETS.

(Application filed May 12, 1900.)

(No Model.) 2 Sheets—Sheet 1.

Fig. 1

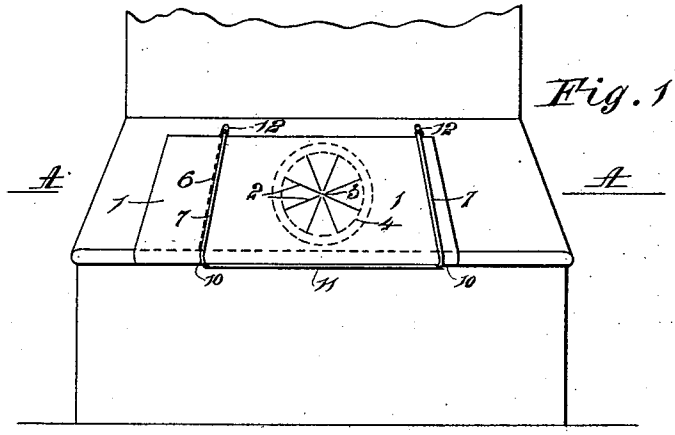


Fig. 2

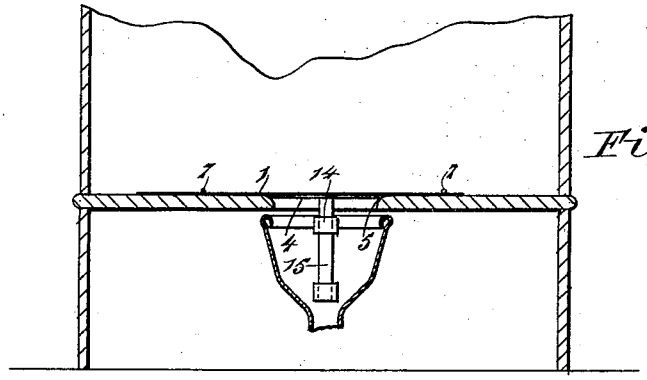
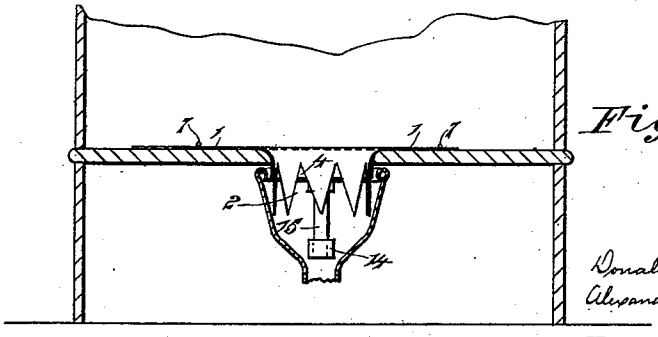


Fig. 3



INVENTORS
Donald Grant
Alexander Macpherson

WITNESSES:
Ella L. Giles
Otto Munn

BY Richardson & R

ATTORNEYS.

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

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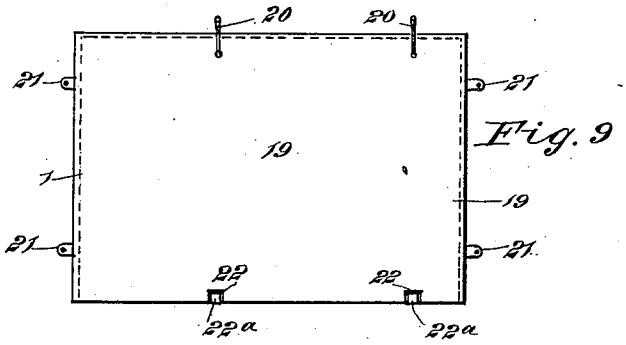


Fig. 9



Fig. 4

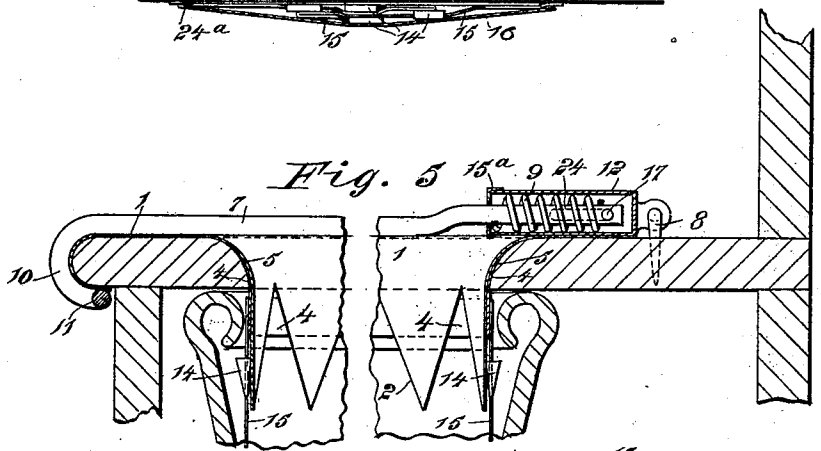


Fig. 5

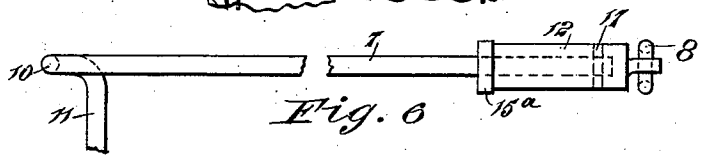


Fig. 6

Fig. 7

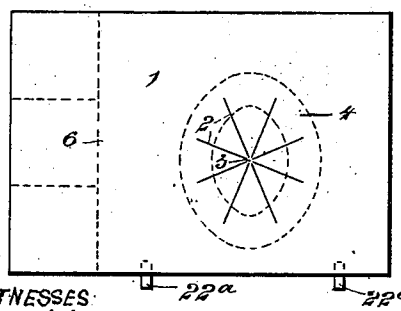
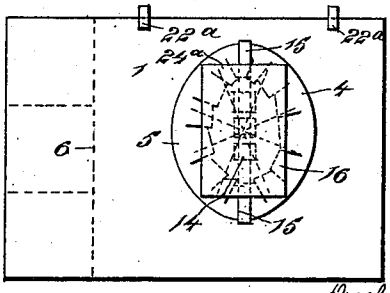


Fig. 8



WITNESSES:
Ella L. Giles

INVENTORS
Donald Grant.
Alexander Macpherson.
BY Richard Dorr
ATTORNEYS.

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

UNITED STATES PATENT OFFICE.

DONALD GRANT AND ALEXANDER MACPHERSON, OF WELLINGTON, NEW ZEALAND.

COVER FOR SEATS OF CLOSETS.

SPECIFICATION forming part of Letters Patent No. 669,215, dated March 5, 1901.

Application filed May 12, 1900. Serial No. 16,465. (No model.)

To all whom it may concern:

Be it known that we, DONALD GRANT, farmer, and ALEXANDER MACPHERSON, accountant, subjects of the Queen of Great Britain, residing at Queen's Chambers, Wellington, New Zealand, have invented new and useful Improvements in or Relating to Covers for Seats of Closets, of which the following is a specification.

This invention relates to covers used upon seats of closets for sanitary reasons; and it consists of an inexpensive and easily-adjusted device provided with means whereby it may be removed without the user touching the same with his hands.

We are aware that covers for closet-seats have been made prior to our invention, and we make no claim, broadly, to such devices, but confine ourselves to the novel features set forth herein. More particularly, we are aware that covers have been made in continuous rolls, perforated as required to correspond with the seat, the new part of the cover unrolling from one roll and the used part winding onto another roll, or have been made in layers perforated to correspond with the seat and so that the top thickness might be removed after use, and thus expose a fresh surface.

Our cover is made, preferably, of paper, for cheapness, though any suitable material may be used. The part of the cover which is placed over the hole in the closet-seat is cut through with radial slits or radial lines of perforations united at their common point of assemblage by a small area of uncut material. On the lower side of the cover a supplemental protecting strip or ring of similar material to that employed in the cover itself is attached to the cover.

The means whereby the cover is removed after use comprises a pocket suspended by bands attached to the cover. When the closet is flushed, the water fills the pocket, drags the cover into the pan, and washes it down the drain.

We sometimes use two or more pockets in place of the one just described and suspend the same by bands attached to the cover, or we may use loosely-hanging bands without pockets crossed over one another and having their ends secured to the cover.

When packed ready for use, the supplemental protecting-ring and the bands, with their pockets, are folded flatly against the cover to occupy little space.

The cover is partially cut through by perforations on the right-hand side and portions thus provided which may be torn off and used as wipers.

The cover is held in position while in use by a light frame, made, preferably, of steel or other metal, hinged near the back and clipping the projecting front or sides of the seat.

The cover is placed intact upon the seat, with the radial slits directly over the hole of the seat of the closet and with its edges beneath the frame.

A person sitting upon the cover will burst the same, causing the pointed parts formed by the radial slits and the protecting-ring to fall down. The protecting-ring thus covers the spaces left uncovered near the top of the slits and supplies a double thickness of material where most required. Thus no part of a person's body will come into contact with the seat, which is thoroughly covered, even to the wall of the hole below the surface of the seat.

The uncut area of the covers is sufficiently strong to unite the points formed by the slits while the covers are packed ready for use, but will yield to very slight pressure.

The covers may be kept in a suitable holder suspended in the closet, and we prefer to make the holder with covers or sides made of paper or the like for cheapness, having an area slightly greater than the covers, and with a portion cut away to give access for pulling the covers out as required, or a coin-freed apparatus may be employed to deliver one cover at a time upon deposit of a coin, or the cover may be wound upon a roller and withdrawn as required.

The accompanying drawings illustrate the invention.

Figure 1 is a perspective view of a seat fitted with our invention. Fig. 2 is a section on line A A, Fig. 1, showing the cover before use. Fig. 3 is a similar section showing the cover after use. Fig. 4 is a section of the

cover before use and folded. Fig. 5 is a section, on a larger scale, of portions of a seat, showing the cover after use. Fig. 6 is a plan of one side of the frame for clipping the cover upon the seat. Fig. 7 is a top view of the cover before use. Fig. 8 is an underneath view of the same, showing the fringe, pockets, and a covering-flap folded flat. Fig. 9 is a front view of the holder.

Similar figures of reference indicate similar parts where they occur throughout the several views.

The cover 1 has radial slits or lines of perforations 2, converging on the small uncut area 3, and on its lower side has a supplemental protecting strip or ring 4, secured by its periphery or rim 5 to the cover 1. Pockets 14, attached to bands 15, are fixed to the cover beneath the fringe, and a flap 16 covers these pockets when they are folded in the holders, the edge 24^a only of the said flap being attached to the cover. A portion of the said cover is partially cut through or perforated, so that it will readily tear to pieces along the perforations 6.

The frame 7 is hinged to or near to the back of the seat, by means of its sockets 12, to a staple 8 or other suitable device, and the front of the said frame is bent into hooks 10 to pass below the front edge of the seat, and these hooks are connected by a cross-bar 11, which is preferably integral with the hooks. Adjustment of the frame is obtained by inserting the ends of the frame into the sockets 12 and providing spiral springs 9 upon and driving pins 17 into the said ends. The caps 15^a inclose the spring in the said sockets. Slots 24 are provided in the sockets, and the ends of the pins 17 slide in these slots and limit the extent to which the frame may be drawn forward.

The cover is placed intact upon the seat, with the radial slits or perforations 2 directly over the hole in the seat of the closet and beneath the frame 7 when the latter is pulled forward against the pressure of the springs 9 and lowered until the hooks 10 engage with the front of the seat and grip the cover. A person now sitting upon the cover will burst the same along the slits or perforations 2, causing the pointed parts formed by the said slits or perforations and the protecting-ring 4 to fall down. The pockets 14 and flap 16 will fall by their own weight, the parts thus assuming the positions shown by Figs. 3 and 5. The protecting-ring covers the spaces left uncovered near the top of the slits and supplies a double thickness of material where most required. Thus no part of a person's body will come into contact with the seat, which is thoroughly covered, even to the entire surface of the vertical wall of the hole.

The uncut area 3 is sufficiently strong to unite the points formed by the slits 2 while the covers 1 are packed in the holders 19, but will yield to very slight pressure. The flap 16 covers and protects the pockets 14 while being withdrawn from the holder.

The holder 19 comprises a casing made of paper, for cheapness, or other suitable material, the back and front being united at the top and sides and left open at the bottom. The holder is suspended in the closet, preferably by loops of tape 20, and held against the wall by tabs 21. Portions of the front of the casing are cut away to form gaps 22 to give access for pulling the covers out at the bottom as required, and tabs 22^a are provided upon the covers, so that they lie in the gaps and are grasped while pulling out a cover.

The shape of the frame 7 may be varied to suit different shapes of seats.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. A cover for closet-seats having radial slits therein, and an uncut area from which the radial slits diverge, a supplemental protecting strip or ring on the lower side of the cover, and pockets hanging from the cover, substantially as forth.

2. A cover for closet-seats having radial slits cut therein, and an uncut area from which the slits diverge, a supplemental protecting-strip forming an unbroken ring intact throughout and means for securing the cover on the seat, substantially as described.

3. A cover for closet-seats having radial slits therein, and an uncut area from which the radial slits diverge, a protecting-strip on the lower side of the cover, and a side piece perforated to form wipers, said piece resting on the surface of the seat, substantially as set forth.

DONALD GRANT.
ALEXANDER MACPHERSON.

Witnesses:
N. ALEXANDER,
S. T. SILVER.