Sept. 30, 1924. 1,510,061

H. P. JONES

PORTABLE COMMODE

Filed March 24, 1923

Fig. 1.

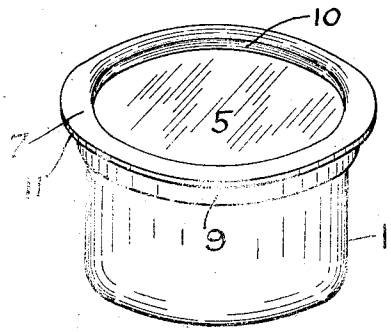


Fig. 2.

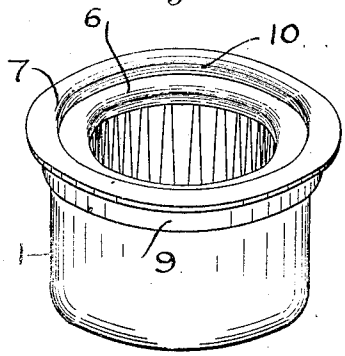


Fig. 3.

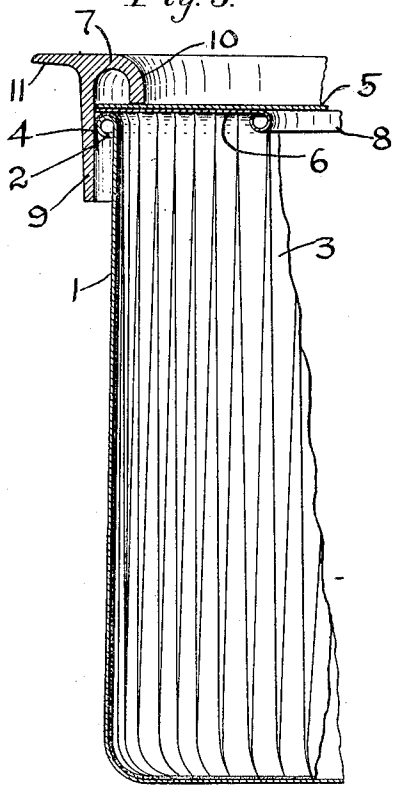
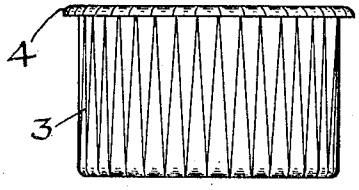


Fig. 4.



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UNITED STATES PATENT OFFICE.

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PORTABLE COMMODE.

Application filed March 24, 1923. Serial No. 627,316.

To all whom it may concern:

Be it known that I, HENRY P. JONES, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented a new and useful Improvement in Portable Commodes, of which the following is a specification.

This invention relates to improvements in portable commodes and has for its object the provision of a commode which is especially adapted to the needs of automobilists on tour and may be readily included in the touring equipment. The advantages by which the commode is commended to this field of use are that it is sanitary, compact, odorless, self contained, adapted for either adults or children, and may be readily set up for use, cleaned, and packed away in any available compartment or space of the vehicle.

The invention consists generally in novel features of structure and combination which will be set forth in detail as the description proceeds and are incorporated in the preferred embodiment illustrated in the accompanying drawing, wherein:

Figure 1 is a perspective view of the commode ready for storage.

Figure 2 is a similar view showing the commode ready for use.

Figure 3 is a fragmentary vertical sectional view.

Figure 4 is an elevation of the paper lining.

The commode includes a vessel 1 of any suitable material, e. g., metal or compressed fibre, and which is preferably cylindrical and provided along its edge with a circumscribing bead 2. The vessel 1 is protected by an enclosed removable paper lining 3 of any suitable form, proportions or structure, the edge portion of which is preferably overturned, as at 4, to fit over the edge of the vessel. After use the lining 3 with its contents is removed and thrown away or destroyed and a new lining substituted, a supply of these being kept on hand and stored in the vessel 1 or in a separate receptacle. The commode also includes a cover 5, auxiliary seat member 6, and a main seat member 7. The cover 5 is in the form of a flat plate and the auxiliary seat member 6 is in the form of a flat ring, preferably provided with a reinforcing bead 8 along its inner circumference. The main seat member 7 is in the form of a ring and adapts the commode for use by adults, its opening being of considerably greater diameter than the opening of the auxiliary member 6 by which the commode is adapted for use by children.

The member 7 in addition to its primary function serves to maintain the assembly of the parts, holding them securely in their operative relations. The cover 5 and seat member 6 are of such diameter that they may be supported by the upper edge of the vessel 1, their edge portions resting and having uniform bearing upon the bead 2. The member 7 fits over the vessel 1, the cover 5 and the member 6 and is formed with a cylindrical flange 9 which surrounds the vessel 1 and an annular flange 10 which engages over the cover 5 or member 6 as the case may be. The flange 9 has a somewhat close frictional fit over the bead 2 and thereby the seat member 7 is held securely in position upon the vessel 1. The flange 9 also frictionally engages the overturned edge portion of the lining 3, thus securing said lining and at the same time confines the cover 5 and seat member 6 against any sliding displacement. Said cover and seat member are also held against outward displacement by the overhanging flange 10 by means of which they are pressed closely and uniformly to their seat on the upper edge of the vessel. The flange 10 is formed as a part of the seat afforded by the member 7 and is preferably curved inward and downward from the upper side of said member, thereby to promote comfort in use. The member 7 is also formed with a projection 11 extending outward beyond the flange 9 and by means of which said member may be readily manipulated for the purposes of removal or replacement. The projection 11 is preferably formed as an annular extension of the main body of the member 7.

When not in use the commode is closed by the plate 5 as shown in Figures 1 and 3 and is packed away in any suitable compartment or space, all of its parts being fitted together. Thus the member 6 is placed directly upon the vessel 1 and the cover 5 is placed over and upon the member 6, these parts being secured by the member 7. When required for use the cover 5 is removed. If the use be by an adult the member 6 is also removed. If the use be by a child the member 6 is left in position, being secured by the member 7 as shown in Figure 2. In adapting the commode for use the member 7 is first taken off

and then the cover 5 and member 6. A lining 2 is then inserted (if this had not been done at the time the commode was packed away). The member 6 is then replaced if its use be required or left off if its use be not required, and the member 7 is replaced. After use the lining 2 with its contents may immediately be removed by first removing the member 7 (and member 6 if present) or if such immediate removal be not practical or convenient the cover 5 may be replaced and secured by the member 7, thus effectively closing and sealing the commode until a suitable opportunity is afforded for the removal of the lining 2. The used lining is then discarded or destroyed and a new one is substituted, either at the time the commode is being prepared to be packed away or at the time it is being prepared for use.

It will be understood that the auxiliary seat member 6 may in certain cases be omitted from the equipment and the cover 5 placed directly upon the upper edge of the vessel and there secured by the member 7. It will also be understood that modifications of structural details may be resorted to within the scope of the appended claims.

Having fully described my invention, I claim:

1. In a portable commode, in combination, a vessel, a seat member removably fitted thereon and having means whereby it is held against sliding displacement, and a member having a flat bearing upon the upper edge of the vessel and engaged from above by the seat member and along its edge by said means, said last named member being thereby confined against displacement relatively to the vessel and to the seat member.

2. In a portable commode, in combination, a vessel, a main seat member removably fitted thereon and having means whereby it is held against sliding displacement, and a flat cover member having support from the upper edge of the vessel and engaged from above by the seat member and along its edge by said means, said last named member being thereby confined against displacement relatively to the vessel and to the seat member.

3. In a portable commode, in combination, a vessel, a main seat member removably fitted thereon and having means whereby it is held against sliding displacement, and a cover member and auxiliary seat member, both having support from the upper edge of the vessel and placed one on the other and secured upon said upper edge and against sliding displacement by said main seat member and said means.

4. In a portable commode, in combination, a vessel, a seat member having a flange surrounding and frictionally fitting upon said vessel and having a second inwardly extending flange, and a member having a flat bearing upon the upper edge of the vessel and confined against sliding displacement by said surrounding flange and against outward displacement by said inwardly extending flange.

5. In a portable commode, in combination, a vessel, a seat member having a flange surrounding and frictionally fitting upon said vessel and having a second inwardly extending flange, and a pair of members, one having a bearing upon the other and the latter having a flat bearing upon the upper edge of said vessel, said pair of members comprising a cover and an auxiliary seat member and being confined against sliding displacement by said surrounding flange and against outward displacement by said inwardly extending flange.

6. In a portable commode, in combination, a vessel, a seat member removably fitted thereon and a removable paper lining for the vessel having an edge portion held between the seat member and the vessel and secured by the seat member.

7. In a portable commode, in combination, a vessel, a removable paper lining therefor having an overturned edge portion overlying the upper edge of the vessel and a seat member frictionally and removably fitted upon the vessel and engaging the overturned portion of said paper lining, thereby to secure the same.

8. In a portable commode, in combination, a vessel, a removable paper lining therefor having an overturned edge portion overlying the upper edge of the vessel, a member having a flat bearing upon the upper edge of the vessel, and a seat member having a flange surrounding and frictionally fitting upon said vessel and engaging the overturned portion of the paper lining and also confining said first named member against sliding displacement and having a second flange overhanging and bearing upon said first named member to confine it against axial displacement.

In testimony whereof I affix my signature.

HENRY P. JONES.