W. L. HEAP.

CLOSET SEAT.

APPLICATION FILED AUG. 3, 1908.

916,553. Patented Mar. 30, 1909.

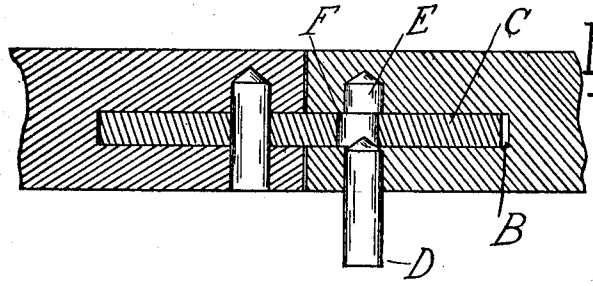
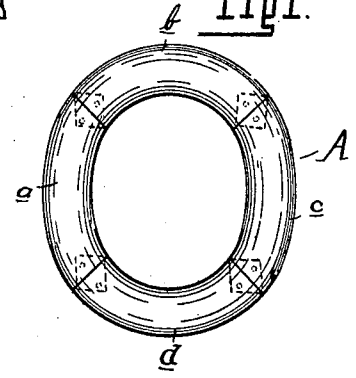


Fig. 2.

Fig. 1.



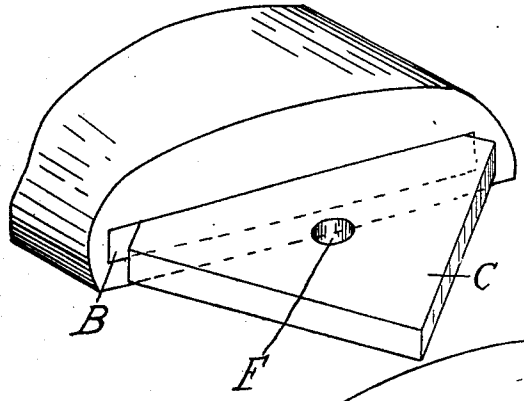


Fig. 3.

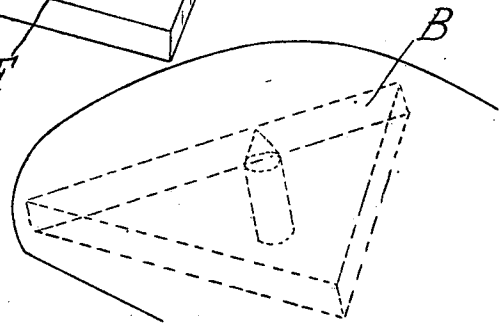
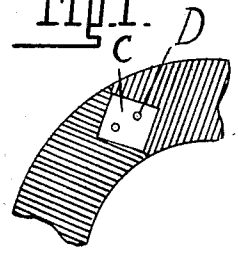


Fig. 4.



Witnesses

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CLOSET-SEAT.

No. 916,553. Specification of Letters Patent. Patented March 30, 1909.

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To all whom it may concern:

Be it known that I, WILLIAM LIONEL HEAP, a citizen of the United States of America, residing at Grand Haven, in the county of Ottawa and State of Michigan, have invented certain new and useful Improvements in Closet-Seats, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention relates particularly to water closet seats of the sectional type, and consists primarily in the novel formation of the section joint whereby the latter may remain absolutely tight under all conditions in use.

The invention further consists in the peculiar arrangement and combination of the parts, and in other details of construction, as will be hereinafter set forth.

In the accompanying drawings—Figure 1 is a plan view of a closet seat made in accordance with my invention; Fig. 2 is an enlarged sectional view illustrating the peculiar construction of the joint; Fig. 3 is an enlarged perspective view of the meeting ends of complementary sections showing the manner of inserting the connecting member; and Fig. 4 is a horizontal section taken through the seat joint.

In the drawings thus briefly described, the reference letter A indicates the seat in its entirety, formed preferably, though not necessarily, in four sections *a b c d*. The ends of the sections are mortised, as at B, the mortise being preferably triangular in shape, and the adjacent sections are rigidly secured to each other by means of a removable connecting member C engaging the mortised ends and locking pins D. As shown, each mortised section is vertically apertured at E, the aperture extending from the under side of the section upwardly preferably in proximity to the top, the latter being imperforate so that merely the joints in the seat will be visible. The connecting member C is rectangular in shape and is inserted edgewise into the mortises, as shown in Fig. 3. The apertures F in the connecting member are so positioned that when the sections are assembled they are slightly out of registration with the apertures E, as shown in Fig. 2.

D represents the locking pin, preferably dowel, which serves to connect the parts. It is of a length to entirely fill the apertures, and acts upon insertion to draw the connecting member C inwardly within the mortises, thereby bringing the section ends tightly in abutment and serving to maintain this relation between the parts in use, irrespective of any moisture that the seat is subjected to, which in the ordinary form of glue joint would tend to separate the parts.

It will be understood from the foregoing description that it is immaterial as to the number of sections that form the seat, or of the particular formation of the locking device, the dowel being the preferable means of connection between the parts. The seat jointed as described may be manufactured at minimum cost, the sections will be held together in their proper relation regardless of the moisture to which the seat is necessarily subjected to a greater or less extent, and only the joint lines will be visible in the seat.

What I claim as my invention is,—

1. A water-closet seat, composed of complementary curved sections having mortises formed in their meeting ends of less width than the sections, a single removable connecting member in each adjoining pair of mortises, and vertical dowels extending upwardly through the member ends and within the seat sections in proximity to their tops.

2. A water-closet seat, composed of complementary curved sections having mortises formed in their meeting ends of less width than the sections, and the mortised portions vertically apertured, the apertures extending in proximity to the section tops, a single removable connecting member lying in each pair of mortises, the member ends being each apertured to partially register with the section apertures, and vertical dowel pins engaging the apertures and acting upon insertion to draw the sections together, forming a tight joint.

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

WILLIAM LIONEL HEAP.

Witnesses:
GEORGE C. BODIN,
WILLIAM HEAP.