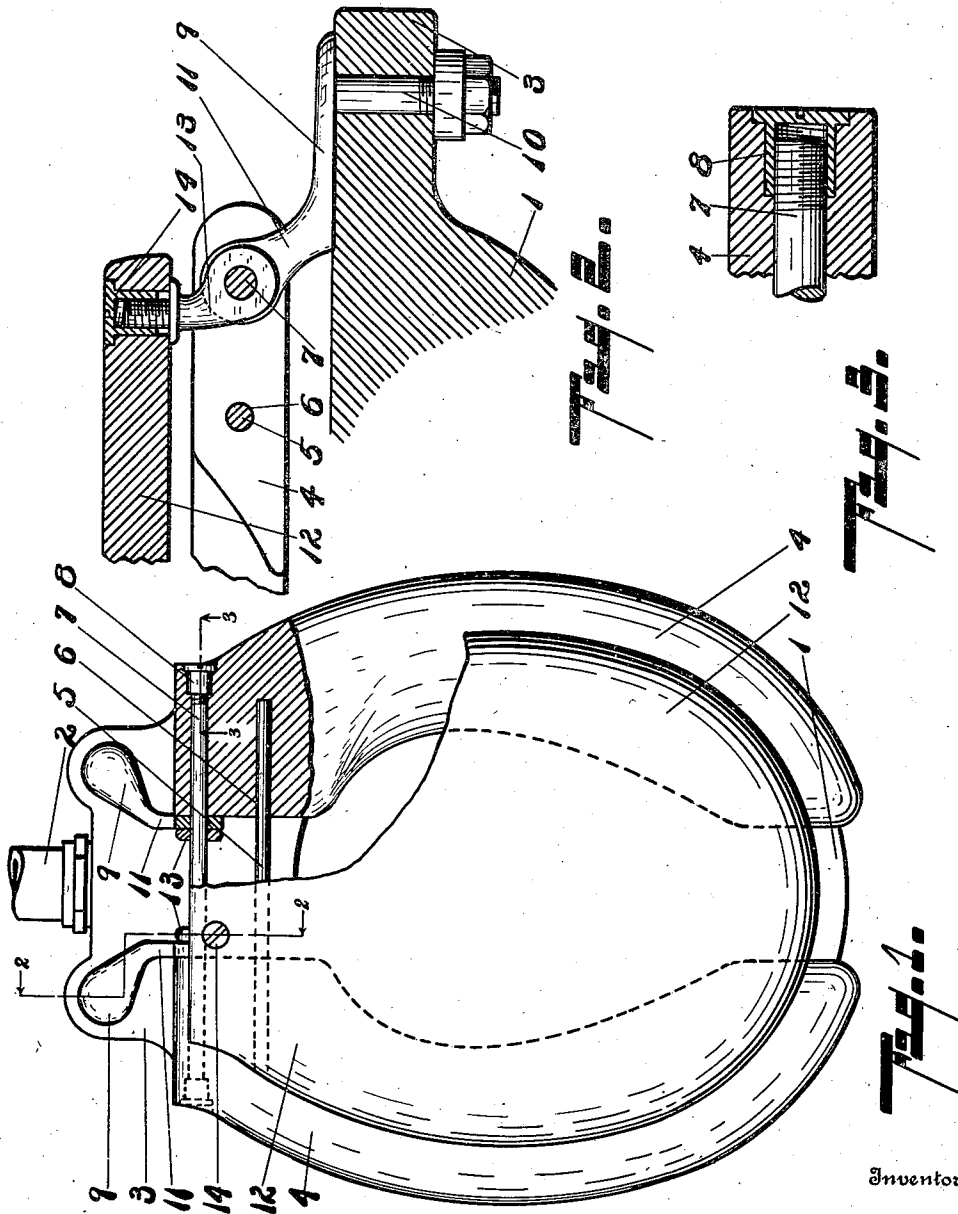


S. A. QUINN.
WATER CLOSET.
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968,411.

Patented Aug. 23, 1910.



Witnesses
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UNITED STATES PATENT OFFICE.

SYLVESTER A. QUINN, OF KALAMAZOO, MICHIGAN.

WATER-CLOSET.

968,411.

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To all whom it may concern:

Be it known that I, SYLVESTER A. QUINN, a citizen of the United States, residing at Kalamazoo, Michigan, have invented certain new and useful Improvements in Water-Closets, of which the following is a specification.

This invention relates to improvements in water closets.

The main objects of this invention are to provide in a water closet an improved seat and cover structure and supporting means therefor.

Further objects and objects relating to structural details will definitely appear from the detailed description to follow.

I accomplish the objects of my invention by the devices and means described in the following specification.

The structure described constitutes one effective embodiment of my invention. Other embodiments would be readily devised by those skilled in the art.

The invention is clearly defined and pointed out in the claims.

A structure constituting an effective and preferred embodiment of the features of my invention is clearly illustrated in the accompanying drawing, forming a part of this specification, in which:

Figure 1 is a detail plan of a structure embodying the features of my invention, portions being broken away to show structural details. Fig. 2 is an enlarged detail vertical section taken on a line corresponding to the broken line 2—2 of Fig. 1. Fig. 3 is an enlarged detail vertical section taken on a line corresponding to the line 3—3 of Fig. 1.

In the drawing similar reference characters refer to similar parts throughout the several views, and the sectional views are taken looking in the direction of the little arrows at the ends of the section lines.

Referring to the drawing, 1 represents the closet bowl, and 2 the water supply pipe. The bowl is preferably provided with a flange 3 on its rear edge for convenience in attaching the seat and cover thereto.

The seat is made up of two sections, 4, which are crescent shaped in general form. These sections are connected by the dowel rod 5, which is arranged in suitable dowel holes 6 in the inner edges of the seat sections, at their rear ends. The pivot rod 7 is provided with a nut 8 at each end, the nuts be-

ing preferably countersunk into the seat sections as illustrated, whereby the sections are clamped upon the dowel rod, the dowel rod and pivot rod coacting to form a rigid connection for the sections, holding them in a spaced relation.

The hinge members 9 are provided with downwardly projecting bolts 10, which are arranged through the flange 3 on the bowl. The hinge members are provided with outwardly projecting knuckles 11 through which the pivot rod 7 is passed, the knuckles being arranged to lie against the inner edges of the seat sections, thus preventing lateral movement of the seat. (See Fig. 1.)

The cover 12 is adapted to overlap both of the seat sections, and is provided with hinge members 13 which are provided with suitable knuckles that engage the pivot rod, the same being arranged to lie against the inner sides of the knuckles 11 of the hinge members 9, thus preventing lateral movement of the cover.

The hinge members 13 are secured to the cover by means of the countersunk nut 14. (See Fig. 2.) This forms a simple and effective hinge support, as well as a means for securing the seat sections together. The structure is very simple and economical, and at the same time very satisfactory. It is evident that the seat sections may be formed with the grain of the wood and joined without careful fitting.

I have illustrated and described my improvements in the form in which I have embodied them, which form I find to be very effective. I am aware that the same can be considerably varied in structural details and form without departing from my invention, and I desire to be understood as claiming the same specifically as illustrated, as well as broadly within the scope of the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

1. In a structure of the class described, the combination with the bowl; a seat formed of two sections; a cover adapted to overlap both sections; a dowel rod connecting said seat sections, said sections being provided with dowel holes in their inner edges for said rod; a hinge connection for said cover and said seat sections to said bowl comprising hinge members secured to said bowl and projecting upwardly between said

seat sections and bearing against the inner edges thereof; a pivot rod arranged transversely through said seat sections; a clamping nut for said pivot rod whereby said seat sections are clamped upon said dowel rod; and hinge members for said cover arranged on said pivot rod between said seat hinge members and bearing against the same.

2. In a structure of the class described, the combination with the bowl; a seat formed of two sections; a dowel rod connecting said seat sections, said sections being provided with dowel holes in their inner edges for said rod; a hinge connection for said cover and said seat sections to said bowl comprising hinge members secured to said bowl and projecting upwardly between said seat sections and bearing against the inner edges thereof; a pivot rod arranged transversely through said seat sections; and a clamping nut for said pivot rod whereby said seat sections are clamped upon said dowel rod.

3. In a structure of the class described, a seat formed of two sections; a dowel rod connecting said seat sections; a hinge for said seat sections, comprising a pivot rod arranged transversely through said seat sections, and a clamping nut on said pivot rod whereby said seat sections are clamped upon said dowel rod and rigidly connected in a spaced relation.

4. In a structure of the class described, a seat formed of two sections; a dowel rod between said seat sections; a hinge for said seat sections, comprising a pivot rod coacting with said dowel rod in rigidly connecting said sections in a spaced relation.

In witness whereof, I have hereunto set my hand and seal in the presence of two witnesses.

SYLVESTER A. QUINN. [L. s.]

Witnesses:

CARL A. SCHULTZ,
ARTHUR L. MILLER.