

(No Model.)

L. M. RUMSEY.
WATER CLOSET BOWL.

No. 553,790.

Patented Jan. 28, 1896.

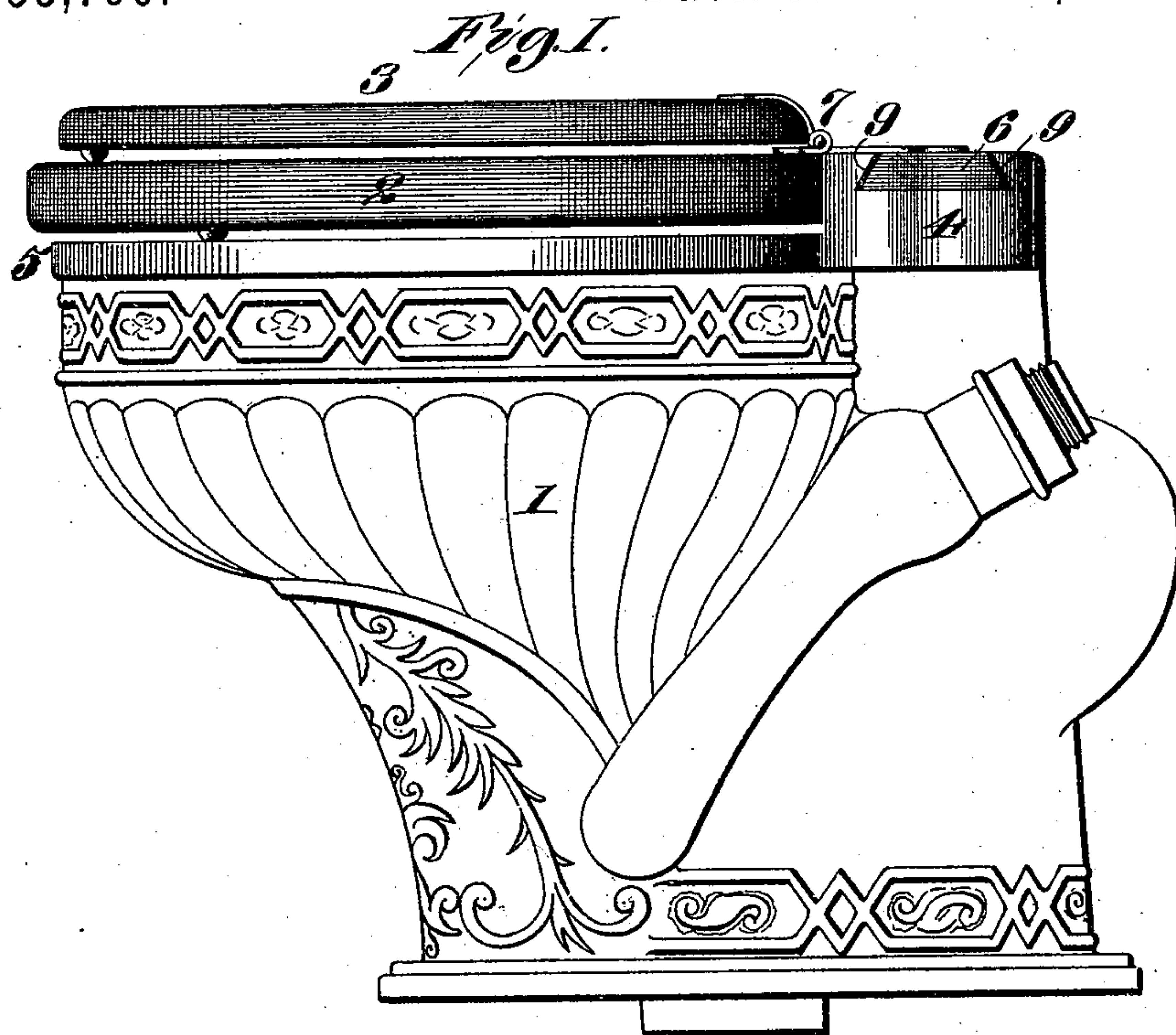
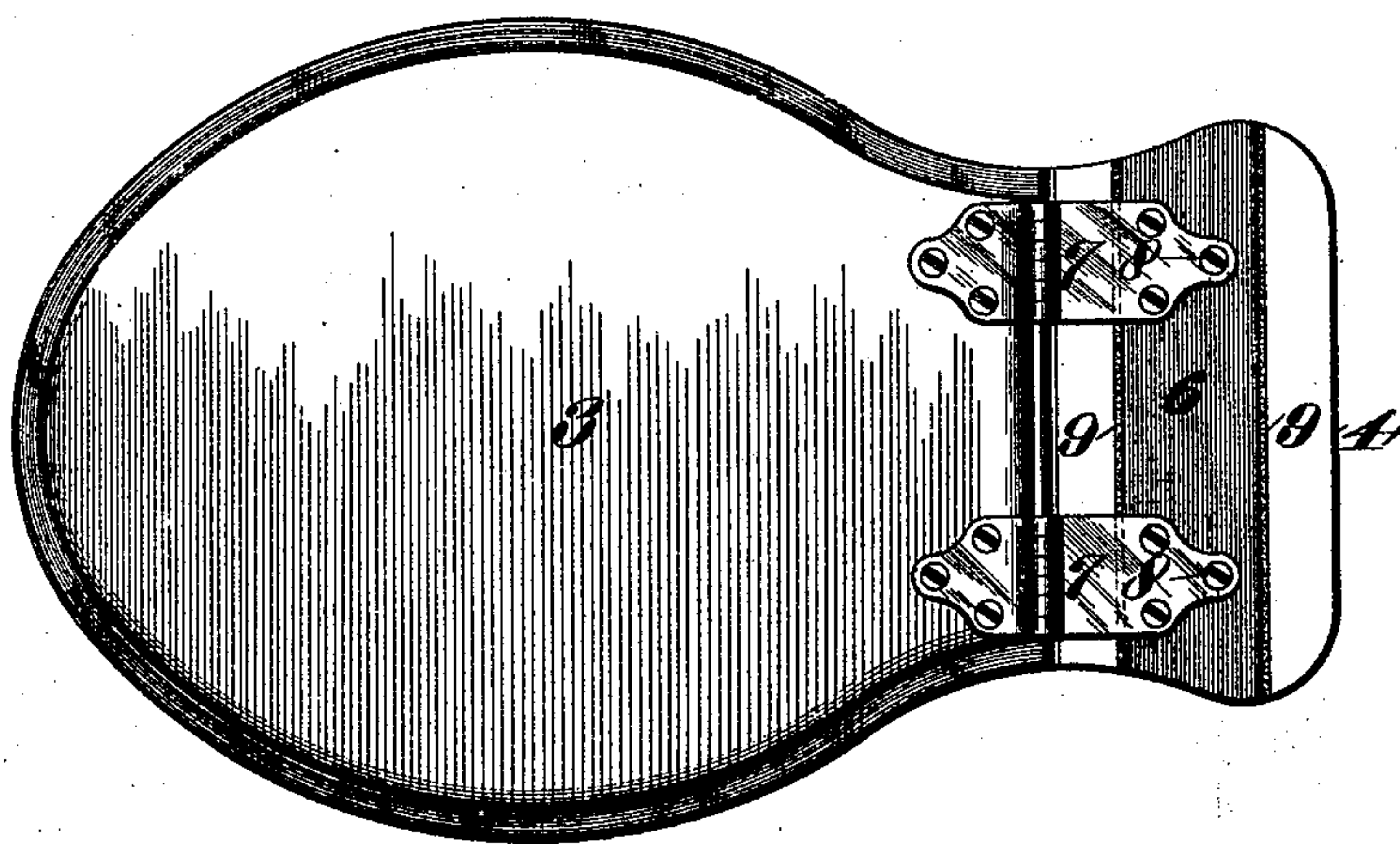


Fig. II.



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UNITED STATES PATENT OFFICE.

LEWIS M. RUMSEY, OF ST. LOUIS, MISSOURI.

WATER-CLOSET BOWL.

SPECIFICATION forming part of Letters Patent No. 553,790, dated January 28, 1896.

Application filed June 17, 1895. Serial No. 553,033. (No model.)

To all whom it may concern:

Be it known that I, LEWIS M. RUMSEY, of the city of St. Louis, State of Missouri, have invented a certain new and useful Improvement in Water-Closet Bowls, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to an improved formation of bowl, the object being to provide a simple and neat manner of connecting the seat to the bowl.

Heretofore it has been customary to attach the hinging seats to the wall in rear of the bowl. Subsequently the rear of the closet-bowl was extended and a piece of wood similar to the closet-seat was bolted to the extension so as to permit the seat to be hinged thereto. This arrangement, however, has been found to be very objectionable, as the wood rots, especially around the bolts, and makes harbor for water-bugs or other insects.

It is the object of my invention to overcome these objections, and I accomplish the said object by forming an integral extension on the bowl and countersinking therein a hinge-attaching strip for the hinge. The hinge-attaching strip is countersunk by forming a recess in the upper surface of the extension and inserting the block so that it will be held therein securely, as, for example, by means of an undercut or dovetail formation of the recess and block.

Figure I is a side elevation illustrative of my invention. Fig. II is a top or plan view.

Referring to the drawings, 1 represents a bowl, which is preferably made of porcelain, and which may be of any desired or approved formation.

2 represents the seat, and 3 the cover. At the rear of the bowl and formed integral therewith is a projection 4 extending above the rim 5 of the bowl. In this projection is secured a block 6 of wood or other suitable material, to which the hinges 7 of the lid 2 and cover 3 are secured by means of screws or other fastenings 8. I prefer to dovetail the block 6 into the projection 4, as shown in Fig. I, but I do not desire to be limited to this

manner of setting the block into and securing it to the projection.

9 represents rubber or other elastic strips located between the block 6 and the walls of the recess that receive the block, their function being to permit the expansion of the block without breaking the bowl, and to permit the shrinkage of the block without the latter becoming loose, as the strips will expand sufficiently to take up the shrinkage of the block.

The upper surface of the projection 4 is preferably on line with or approximately on line with the upper surface of the seat, so that the members of the hinges that are secured to the block 6 project horizontally from their pintles.

By recessing the block into the bowl it is held in place without the use of bolts or other fastenings which disfigure and weaken the bowl.

I claim as my invention—

1. A water-closet bowl formed with an integral rear projection, a hinge-attaching block countersunk therein, a seat for said bowl and hinges attaching the seat to said hinge-block, all in combination substantially as set forth.

2. The combination of a bowl having a recess in its upper surface, a block located in said recess and held therein, a seat, and hinges connecting said seat to said block, substantially as set forth.

3. The combination of a bowl, a block set into the bowl, elastic strips between said block and the walls of the recess in the bowl which receives the block, a seat, and hinges connecting the seat to said block, substantially as set forth.

4. The combination of a bowl having a projection at its rear, a block dovetailed into said projection, elastic strips located between said block and the walls of the recess that receive the block, a seat, and hinges connecting the seat to the block, substantially as set forth.

LEWIS M. RUMSEY.

In presence of—

E. S. KNIGHT,
STANLEY STONER.