

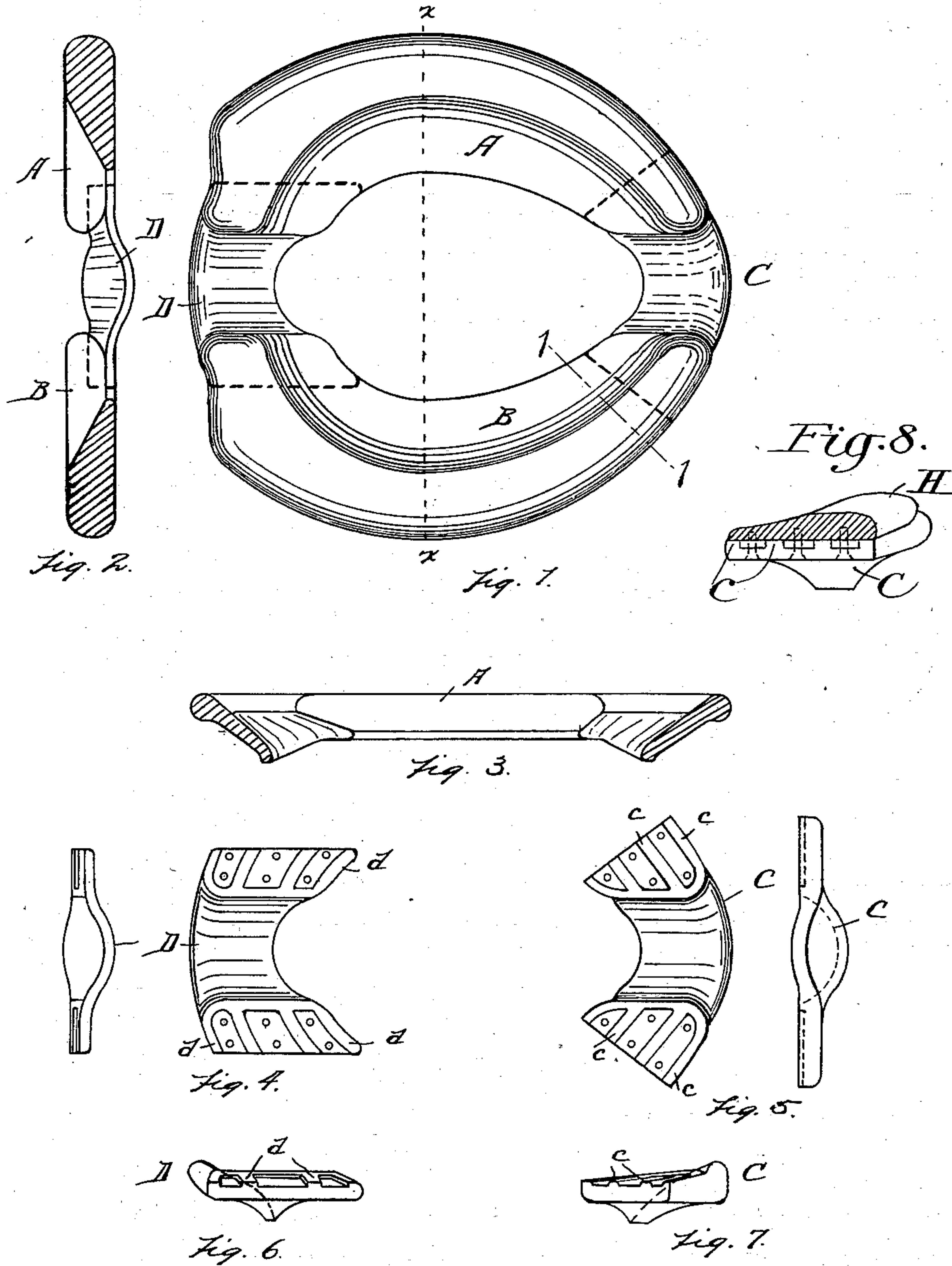
No. 654,942.

Patented July 31, 1900.

H. T. BUSH.
CLOSET SEAT.

(Application filed Nov. 27, 1897.)

(No Model.)



WITNESSES
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UNITED STATES PATENT OFFICE.

HIRAM T. BUSH, OF DETROIT, MICHIGAN.

CLOSET-SEAT.

SPECIFICATION forming part of Letters Patent No. 654,942, dated July 31, 1900.

Application filed November 27, 1897. Serial No. 660,000. (No model.)

To all whom it may concern:

Be it known that I, HIRAM T. BUSH, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Closet-Seats; and I declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to seats for water-closets, and has for its object an improved construction adapted to retain its shape and form rigidly, without liability to warp, twist, or crack, under the conditions to which such seats are usually exposed.

It consists, essentially, of two side pieces, which are of wood, and two junction-pieces, the one in front and the other at the rear end of the seat, which are of some rigid material, preferably of porcelain or crockery ware, although some forms of metal might be used to advantage.

In the drawings, Figure 1 represents a plan view of a seat. Fig. 2 is a cross-section at the line *xx* of Fig. 1. Fig. 3 is a longitudinal section. Fig. 4 shows in detail the rear joint-piece. Fig. 5 shows in detail the front joint-piece. Fig. 6 shows in perspective the rear joint-piece. Fig. 7 shows in perspective the front joint-piece. Fig. 8 is a section taken on the line 1 1 of Fig. 1.

A B indicate the two side pieces, which are preferably of wood, shaped somewhat like the side pieces of the ordinary wooden seat. These are joined in front by the joint-piece C, which is secured to the under side of the wooden piece by screws or bolts, and the side pieces are joined at the rear by the joint-piece D, also secured to the under side of the wooden side pieces by screws or bolts. The joint-pieces C and D have those faces which lie in contact with the wood deeply grooved, so that there is a bearing between the joint-

piece and the wood only along the comparatively-narrow bearing-places *c* of the piece C and *d* of the piece D. In each of the pieces C and D that part which lies at the outer periphery is provided with a bead or elevated portion, from which the surface slopes downward and inward toward the center of the seat, as is shown most clearly in Fig. 3.

The ends of the wooden side pieces where they join the porcelain or metallic joint-pieces are fitted closely thereto, so as to prevent anything from entering between the parts; but the bearing-surfaces of the one part on the other are reduced to the narrowest possible surfaces consistent with strength and rigidity. To this end the ends of the joint-pieces C and D are provided with grooves, as shown most distinctly in Fig. 8, by which the joint is ventilated. The front and rear connection-pieces thus made are of material very little liable to be affected by moisture or heat, while the side pieces preserve all the desirable qualities of wood, and there are in the completed seat no parts where wood is joined to wood.

What I claim is—

In a seat, in combination with side pieces, a junction-piece for the front ends, a junction-piece for the rear ends, each of said junction-pieces being constructed with grooved tabular ends having a plurality of narrow engaging faces adapted to come in contact with the flat surfaces at the ends of said side pieces, and having between the tabular parts a surface sloping from a peripheral edge downward and inward, and means for securing the ends of said junction-pieces to the ends of said side pieces, so that said four pieces shall form a rigid unitary structure, substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

HIRAM T. BUSH.

Witnesses:

CHARLES F. BURTON,
VIRGINIA M. CLOUGH.