

No. 724,181.

PATENTED MAR. 31, 1903.

J. HANSEN.
CLOSET SEAT.

APPLICATION FILED DEC. 12, 1902.

NO MODEL.

Fig. 1.

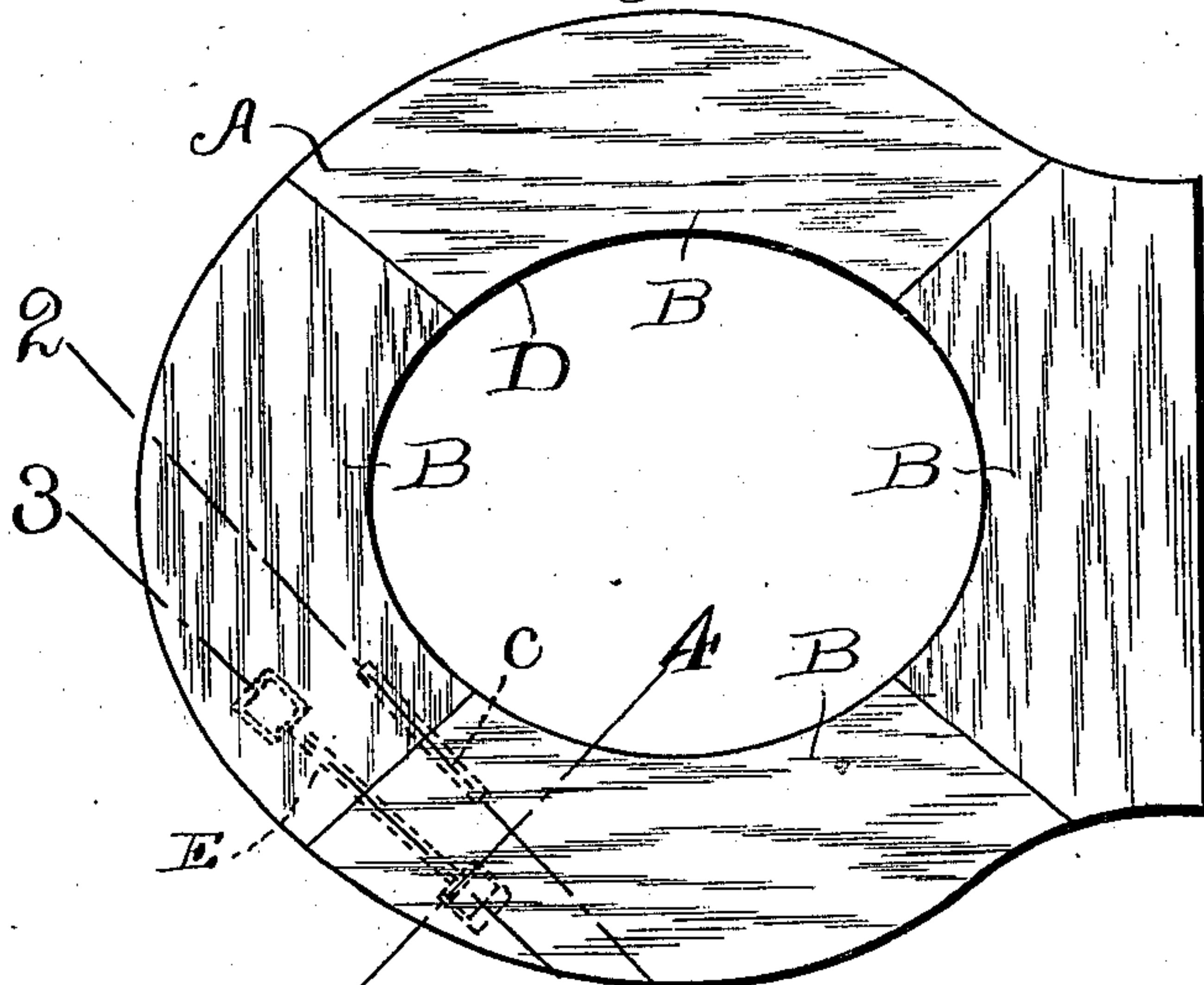


Fig. 2.

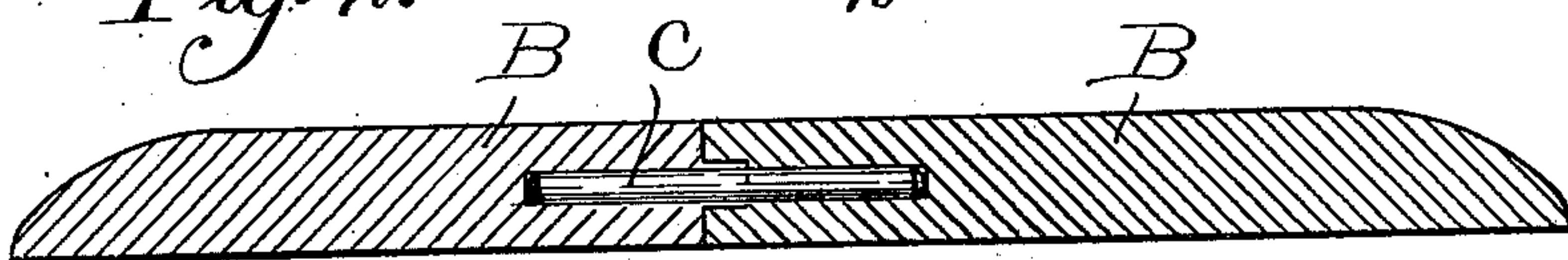


Fig. 3.

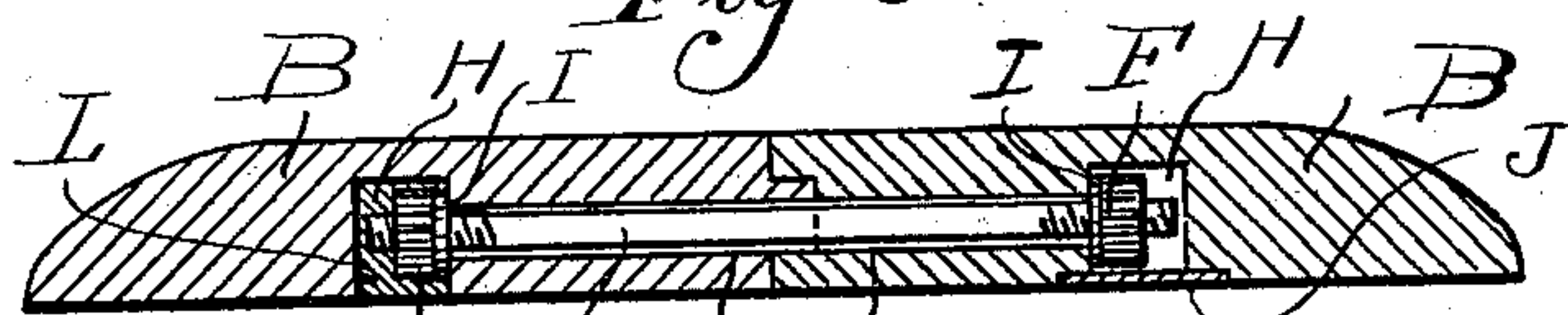


Fig. 4.

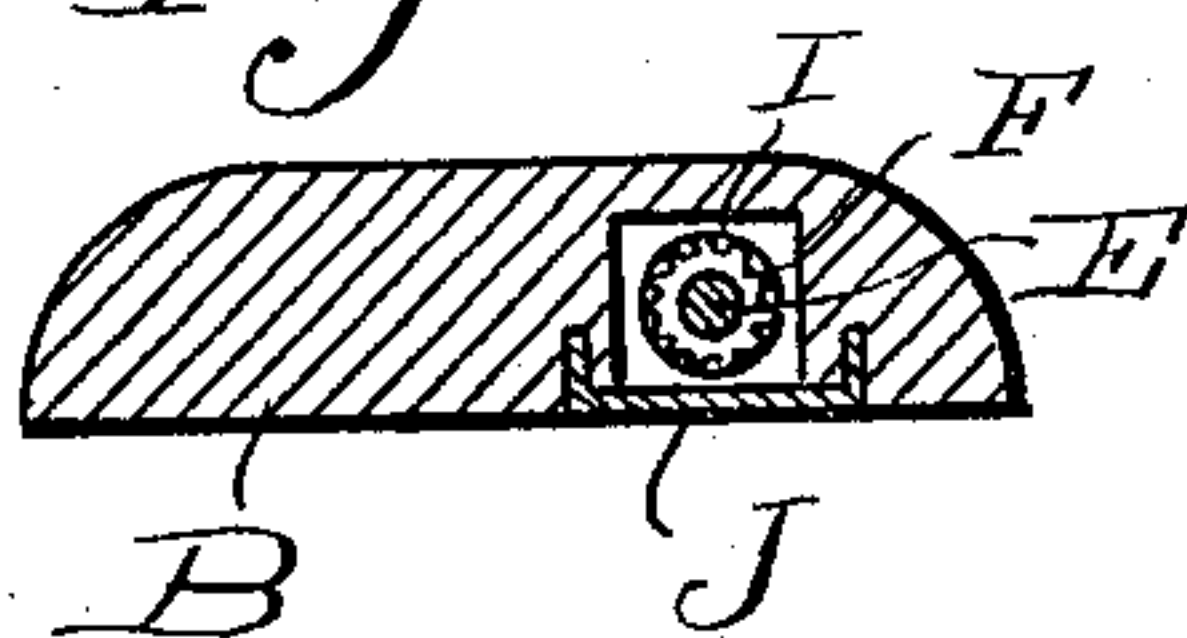


Fig. 5.

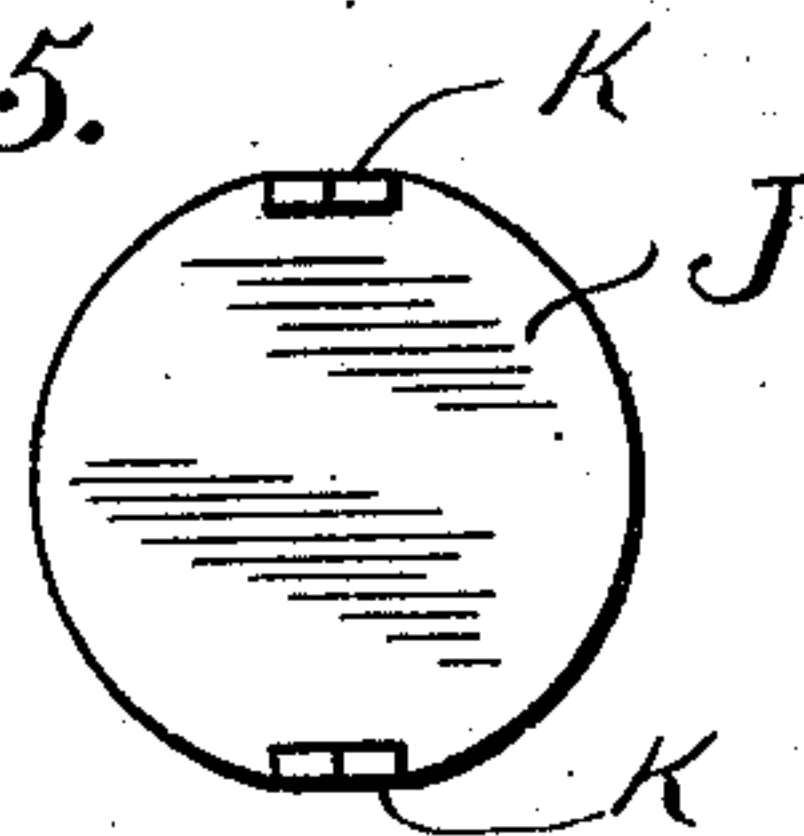


Fig. 6.



Witnesses:

E. F. Wilson
Wm B. Snowback

Inventor:

James Hansen
By *Rudolph H. [Signature]*
Attorney.

UNITED STATES PATENT OFFICE.

JAMES HANSEN, OF CHICAGO, ILLINOIS.

CLOSET-SEAT.

SPECIFICATION forming part of Letters Patent No. 724,181, dated March 31, 1903.

Application filed December 12, 1902. Serial No. 134,947. (No model.)

To all whom it may concern:

Be it known that I, JAMES HANSEN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Closet-Seats; and I do hereby 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 ap-
10 pertains to make and use the same.

My invention relates to a novel construction in a closet-seat, the object being to provide a seat in which the joints between the sections composing the same are proof against
15 separation by dampness and moisture to which such seats are constantly subjected; and it consists in the features of construction and combinations of parts hereinafter fully described and claimed.

20 In the accompanying drawings, illustrating my invention, Figure 1 is a top plan view of a seat constructed in accordance with my invention. Fig. 2 is a section of same on the line 2 2 of Fig. 1. Figs. 3 and 4 are sections
25 on the lines 3 3 and 4 4, respectively, of Fig. 1. Figs. 5 and 6 are views in elevation of a cap employed in connection with the seat.

The closet-seat A is composed of a plurality of sections (preferably four) B, in which the
30 grain of the wood is longitudinal. The said sections B are joined together so that the grain of the wood of each section extends at an angle of about ninety degrees to the grain of the wood of the adjacent section. The
35 joints between said sections are preferably tongue-and-groove joints, but may be of any other suitable variety. Each of said joints may be reinforced by a dowel-pin C intersecting the joint preferably near the opening
40 D in the seat A and serves also to prevent splitting of the wood in the inner corners of the sections adjacent the joints. Adjacent the outer edge of the seat said joints are further reinforced and held against separation
45 by means of bolts E threaded at both ends and receiving nuts F. To receive the said bolts E, each of said sections B is provided with openings G, extending from the tongue-
50 and-groove ends, respectively, into the body of said section at an angle of approximately ninety degrees to said ends and about forty-five degrees to the grain of the wood, said

openings G being so located in the various sections B as to become flush with each other when said sections are fitted together. The
55 said openings G terminate in recesses H in the lower faces of said sections B, in which the nuts F and washers I are adapted to be received. In fitting said sections B together the bolts only or the bolts and dowel-pins are
60 first inserted in the ends of the sections, each bolt and dowel-pin being secured in the end of one section and the adjacent section inserted over same. The tongue-and-groove
65 joints and the dowel-pins are glued in the usual manner, the bolts serving to draw said sections together with great power and permanently preventing separation thereof, even
70 though the glue be entirely washed out, thus rendering the seat far more durable and efficient than those constructed in the ordinary manner.

In order to protect the nuts F and to give a finished appearance to the seat, I provide an annular washer-seat at the mouth of each
75 of the recesses H to receive a circular sheet-metal cap J, provided with prongs K, which are driven into the seat to secure said caps. Instead of said plate the said recesses may
80 be filled with a plastic material L, such as cement or any other suitable substance which will set and harden and will serve to hold said nuts against loosening and give a finished appearance to the seat.

I claim as my invention—

85 1. In a closet-seat composed of a plurality of sections fitted together, openings in the ends of said sections adapted to register with each other when said sections are fitted together and terminating in recesses in the
90 lower face of each section, bolts passing through said openings into said recesses, and nuts in said recesses adapted to receive the ends of said bolts and engage the wall of each of said recesses nearest the end of the section to draw adjacent sections together, sub-
95 stantially as described.

2. In a closet-seat composed of a plurality of sections fitted together, openings in the
100 ends of said sections adapted to register with each other when said sections are fitted together and terminating in recesses in the lower face of each section, bolts passing through said openings into said recesses, nuts

in said recesses adapted to receive the ends of said bolts to draw said sections together, a washer-seat surrounding the mouth of each of said recesses, and sheet-metal plates adapted to fit said washer-seats and close said recesses.

3. In a closet-seat composed of a plurality of sections fitted together by means of approximately radial joints, recesses in said sections on each side of each joint, dowel-pins in said recesses, openings in said sections on each side of each joint adapted to receive

bolts, recesses in the lower face of each section connecting with said openings and adapted to receive nuts engaging the ends of said bolts to draw and hold said sections together, and plates covering the mouths of said recesses, substantially as described.

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

JAMES HANSEN.

Witnesses:

RUDOLPH WM. LOTZ,
ARTHUR C. LOTZ.