

No. 766,080.

PATENTED JULY 26, 1904.

H. D. WARNER.
FOLDING SEAT OR SETTEE.

APPLICATION FILED FEB. 4, 1904.

NO MODEL.

Fig. 1.

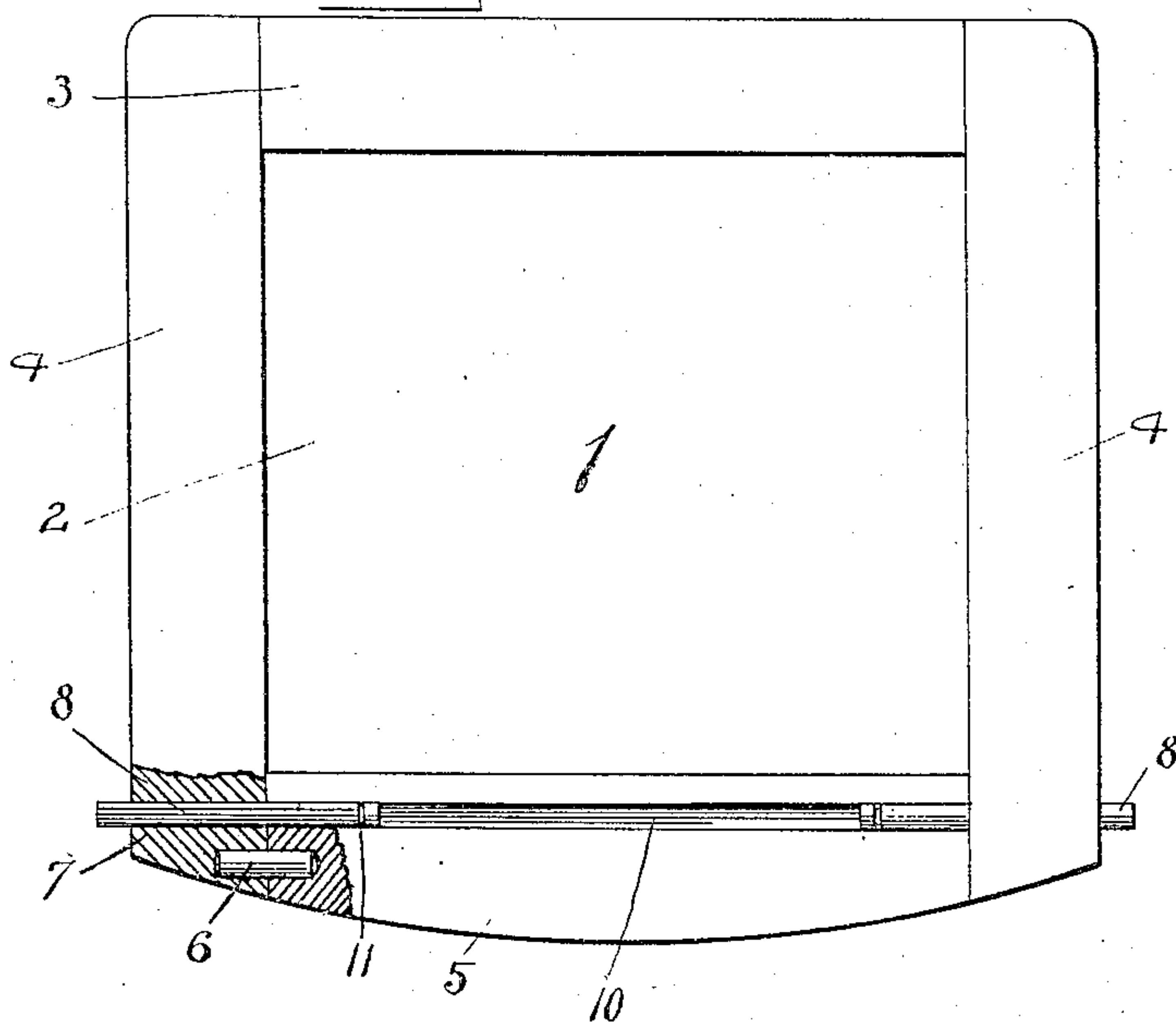


Fig. 2.

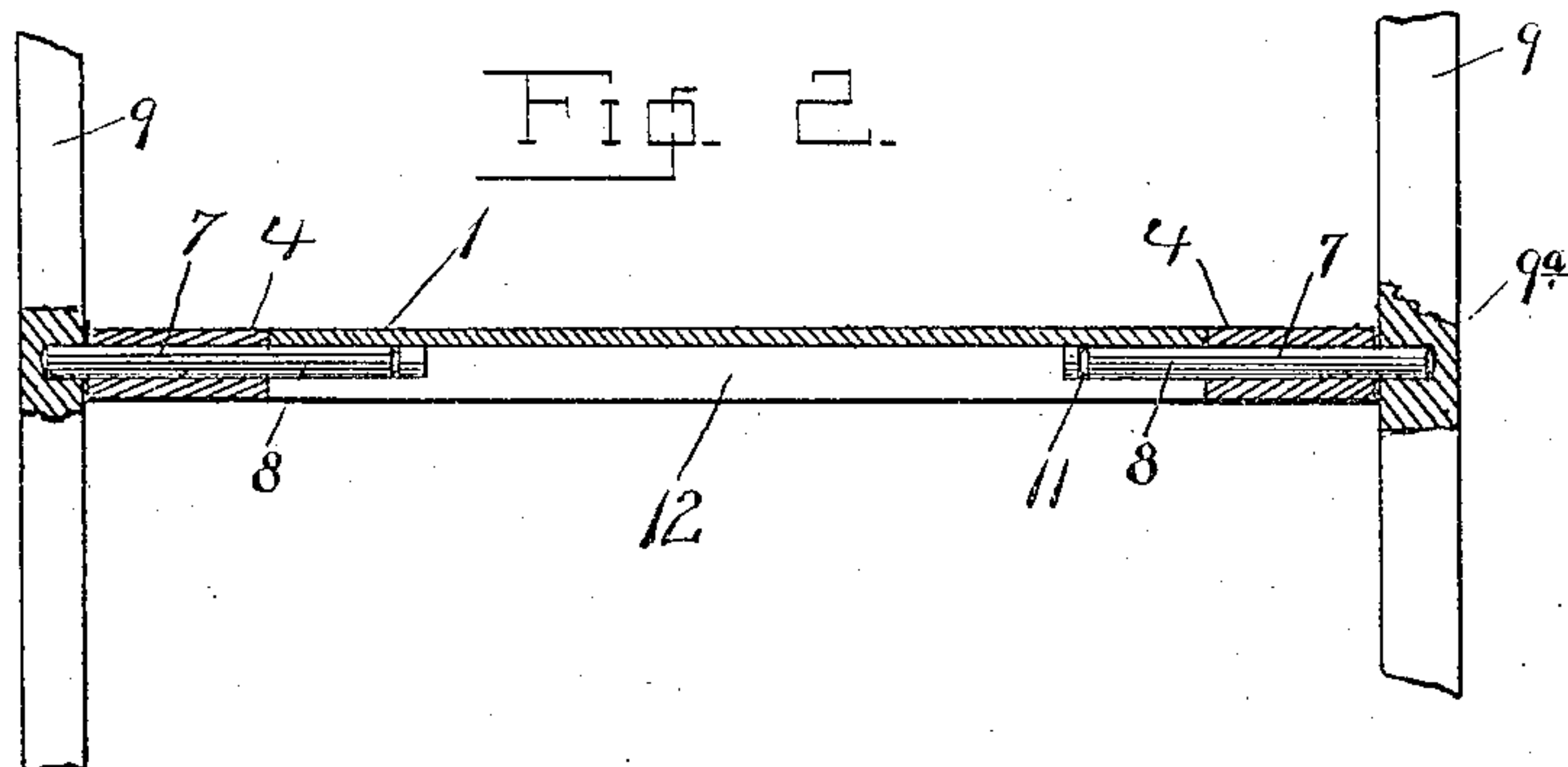


Fig. 3.

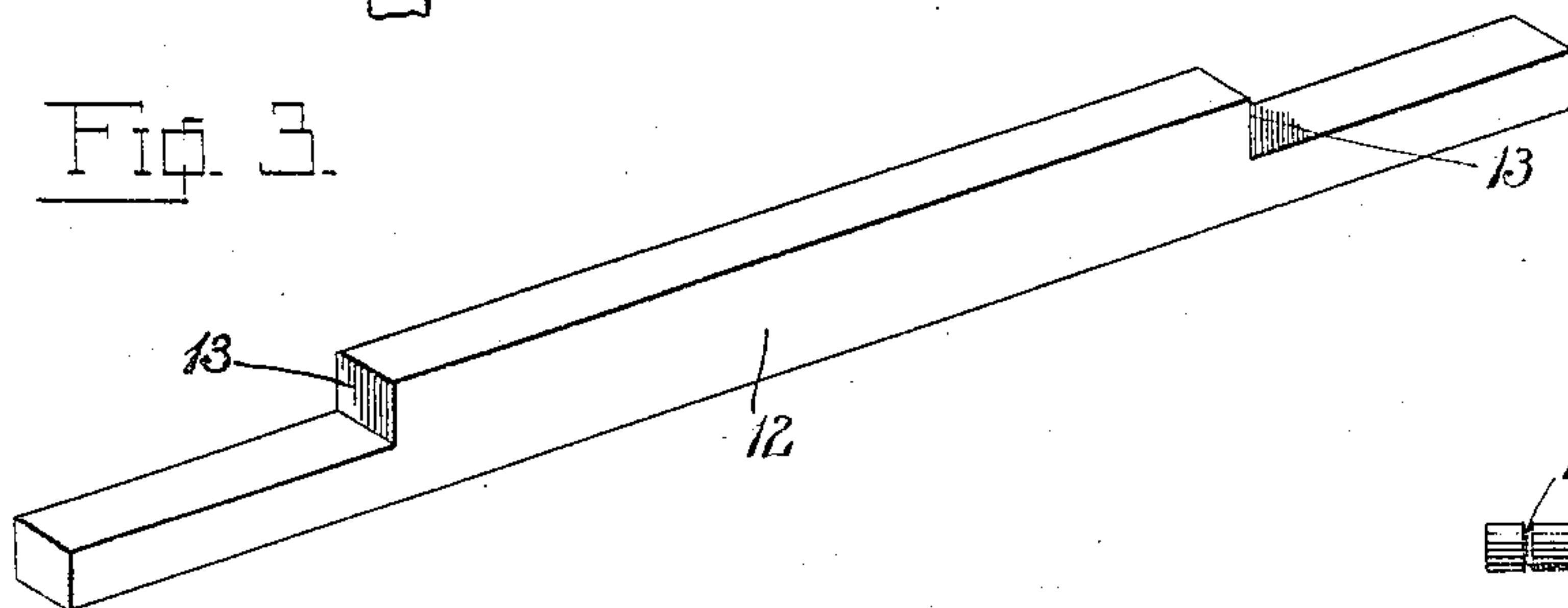


Fig. 4.



Witnesses
Samuel J. Koester.
M. P. Hammond.

Henry D. Warner
Inventor
By his Attorneys Knight & Ross

UNITED STATES PATENT OFFICE.

HENRY D. WARNER, OF NEW YORK, N. Y.

FOLDING SEAT OR SETTEE.

SPECIFICATION forming part of Letters Patent No. 766,080, dated July 26, 1904.

Application filed February 4, 1904. Serial No. 192,039. (No model.)

To all whom it may concern:

Be it known that I, HENRY D. WARNER, a citizen of the United States, residing at New York, borough of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Folding Seats or Settees, of which the following is a specification.

Folding seats and settees as usually constructed have the seat proper hinged to the back by straight metallic pivots entering pivot-holes in the posts of the back. This pivot in one form of seat in large use is a pin projecting from a flat plate or bracket screwed to the under side of the rear cross-piece of the seat proper and is objectionable because unsightly and liable to become detached. In another form these objections are overcome by forming the pivot in the shape of a straight cylindrical pin driven or fitting tightly in a socket in the side of the seat proper near the rear thereof. This form is objectionable on account of the difficulty of taking the construction apart for repair of the seat or settee.

My invention is directed to the improving of this latter form of pivotal attachment of seat proper and back and designed, while having all the advantages of that method of construction, to render repair easy by making it possible to readily take out the pivots, and so permit the detaching of seat proper and back; and my invention particularly consists in combining with the pivot and its socket in the seat proper means, which will be more fully described hereinafter, for holding it in operative position, but movable to enable the pivot to be retracted when it is desired to separate the seat proper from its supporting-back.

In the accompanying drawings, Figure 1 is an underside view of the seat proper of a folding seat or settee embodying my invention, partly sectional and having the pivot-retaining member or key removed to show the method of seating the pivots. Fig. 2 is a sectional view through the rear cross-piece of the seat proper and legs or posts of the back. Fig. 3 is a perspective view of the pivot-retaining member or key. Fig. 4 is a detached view of a pivot.

The seat proper, 1, may be constructed in any preferred manner. As here shown, it is of a usual construction, having central web or main body portion 2, of veneer, supported in front cross-bar 3, side pieces 4 4, and rear cross-piece 5. The pieces 3 4 5 are usually fastened with dowels, two at each joint, one of such dowels being shown at 6 in Fig. 1. I arrange, preferably, in the place of the second dowel-socket, (but this is not essential,) sockets or seats 7 in the side pieces 4 4 and place therein pivot-pins 8, which pass entirely through side pieces 4 4 and enter pivot-bearings 9^a in the legs or posts 9 of the seat. In the under surface of the rear cross-piece 5 I form an open groove or recess 10, preferably extending the entire length of the rear cross-piece 5 of the seat and in line with the sockets 7. Each pivot-pin 8 is preferably made of such length as to extend some distance into the groove 10, so that the inner end of the pin or a groove, notch, or shoulder 11 thereon will be accessible. In the groove 10 I fit a retaining member or key 12, having shoulders 13 adapted to engage the inner ends of pivot-pins 8 8 when the latter are projected, so that their outer ends enter the bearings in legs 9, thus holding the pins in operative position. Projecting ends 14 of retaining member or key 12 cover the inner ends of the pins from sight. When in position, the retaining member or key 12 may be fastened with screws, glue, or otherwise, enabling it to be removed at will. When so removed, the inner ends of the pins are free and may be drawn into the groove 10, dislodging the pivots from their bearings in legs 9 and forming part of the seat-frame, thus detaching seat proper and back without in the least marring either.

Various modifications may be made without departing from the invention. For example, the groove 10 and key 12 need not necessarily extend the entire length of cross-piece 5. As indicated by the dotted lines in Fig. 2, the ends only of the cross-piece may be grooved and fitted with short keys, the part between the dotted lines remaining solid. It is apparent that the pins may rotate either in bearings 9^a or in sockets 7.

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

1. In a folding chair or settee, in combination with a seat-frame having pivot-bearings, a seat proper having pivot-sockets, pivot-pins in said sockets, and a movable section of said seat proper for holding said pins in engagement with their pivot-bearings.
2. In a folding chair or settee, in combination with a seat-frame having pivot-bearings, a seat proper having pivot-sockets, pivot-pins in said sockets, and a movable section of said seat proper having shoulders for holding said pins in engagement with the pivot-bearings.
3. In a folding chair or settee, in combination with a seat-frame having pivot-bearings, a seat proper having pivot-sockets, pivot-pins in said sockets, and a movable section of said seat proper conforming to the contour of said seat proper for holding said pins in engagement with their pivot-bearings.
4. In a folding chair or settee, in combination with a seat-frame having bearings for pivots, a seat proper having pivot-pins engag-

ing said bearings, and a movable retaining member or key fixed to said seat proper and holding said pivot-pins in their bearings.

5. In a folding chair or settee, in combination with a seat-frame having bearings for pivots, a seat proper having pivot-sockets and a groove or recess communicating therewith, pivot-pins engaging said bearings and sockets, and a retaining member or key occupying said groove or recess and engaging said pins.

6. In a folding chair or settee, in combination with a seat-frame having bearings for pivots, a seat proper having formed near its rear edge sockets for said pins and an open groove or recess communicating and in line therewith, pivot-pins occupying said sockets and bearings, and a retaining member or key occupying said groove or recess and engaging said pins.

HENRY D. WARNER.

Witnesses:

WM. P. HAMMOND,
C. VON GRUEBER.