

No. 658,084.

Patented Sept. 18, 1900

H. L. GRIMMELL.  
BATH TUB SEAT.

(Application filed Jan. 11, 1900.)

(No Model.)

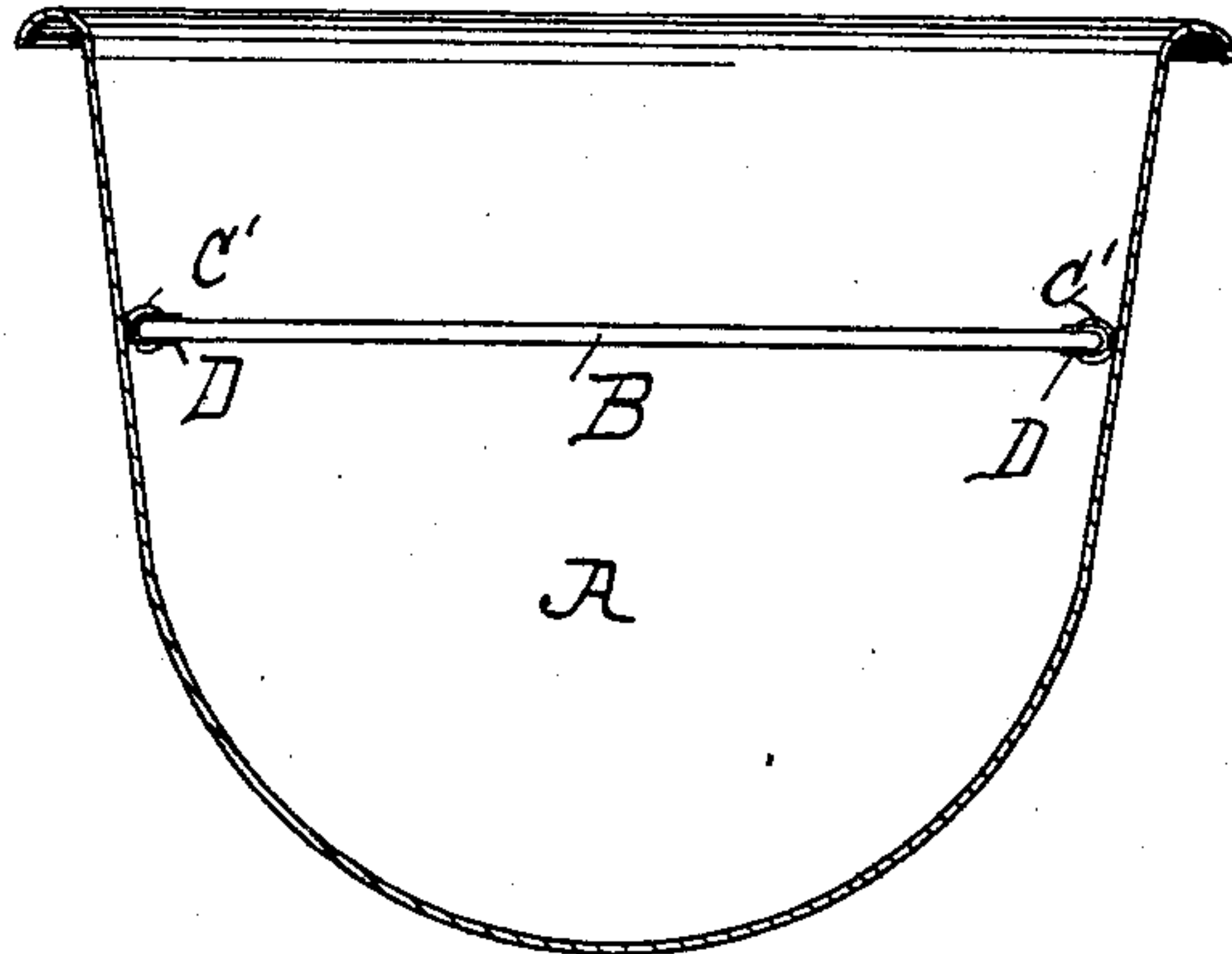


Fig. I.

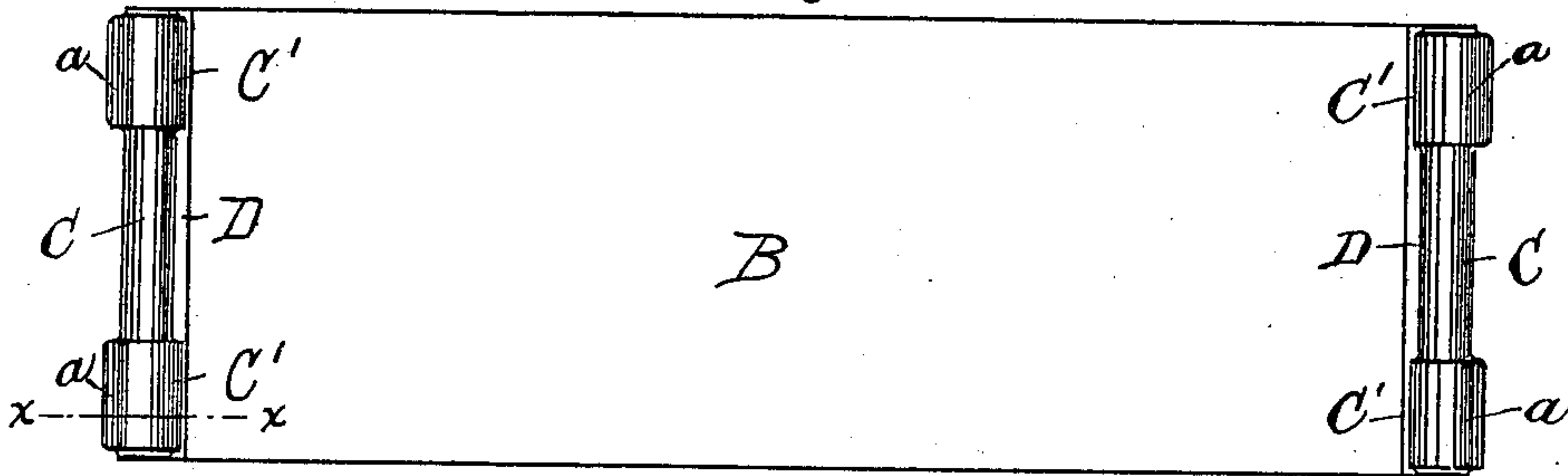


Fig. II.

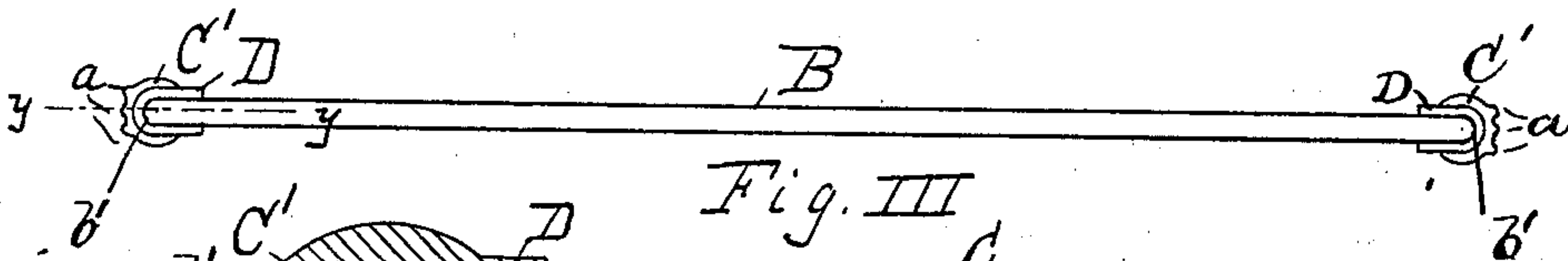


Fig. III.

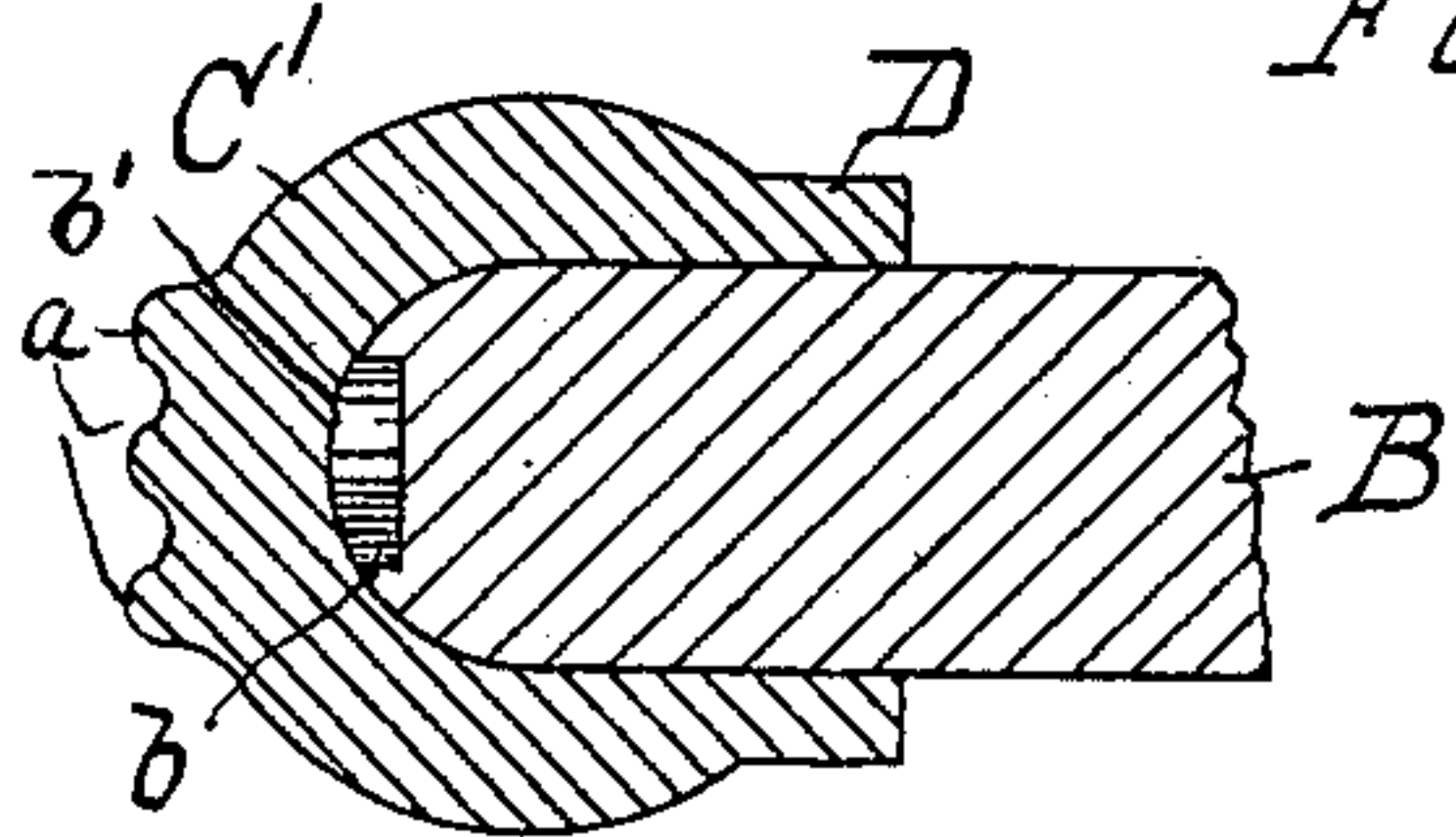


Fig. IV.

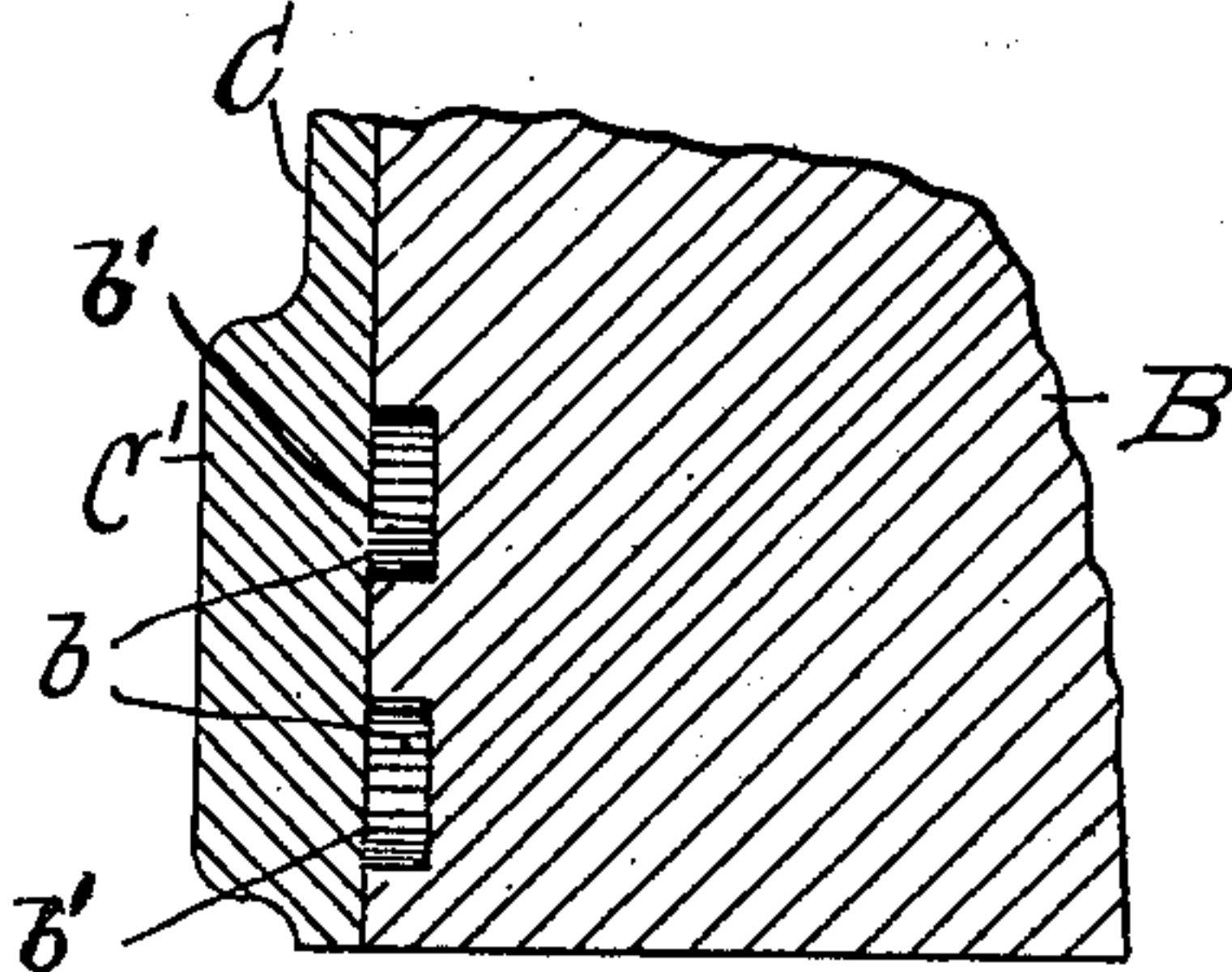


Fig. V.

Witnesses:  
M. E. Snyder  
A. W. Plimley

Inventor:  
Howard L. Grimmell,  
by his Attorneys  
Macomber & Ellis.



# UNITED STATES PATENT OFFICE.

HOWARD L. GRIMMELL, OF BUFFALO, NEW YORK, ASSIGNOR OF ONE-HALF  
TO CONRAD BINGEL, JR., OF SAME PLACE.

## BATH-TUB SEAT.

SPECIFICATION forming part of Letters Patent No. 658,084, dated September 18, 1900.

Application filed January 11, 1900. Serial No. 1,085. (No model.)

*To all whom it may concern:*

Be it known that I, HOWARD L. GRIMMELL, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, (post-office address No. 835 Auburn avenue, Buffalo, New York,) have invented certain new and useful Improvements in Bath-Tub Seats, of which the following is a full, clear, and exact description.

My invention relates to seats for bath-tubs, and more particularly to a removable seat which may be used in connection with any of the ordinary styles and sizes of bath-tubs.

My invention has for its object to provide a bath-tub seat which is simple in construction, durable, and free from metallic parts which tend to become corroded or rusted after a period of considerable use.

Referring to the drawings herewith, consisting of one sheet, in which like letters refer to like parts, Figure I is a sectional elevation showing my improved bath-tub seat in place within a bath-tub. Fig. II is a plan view of my bath-tub seat. Fig. III is a side elevation of the same. Fig. IV is a vertical section, on an enlarged scale, showing the parts as hereinafter more fully described and taken on the line  $x x$  of Fig. II. Fig. V is a horizontal section, on an enlarged scale, taken on the line  $y y$  of Fig. III.

A represents an ordinary bath-tub having side walls slightly converging downward.

B represents the bath-tub seat, formed of a single plate, which is preferably made of wood, and which may be of any desired width or configuration.

C represents rubber lugs or cushioning-caps of U shape in transverse section, which embrace or take over and under the ends of the seat B, and which have longitudinal flanges D, by means of which the rubber lugs may be secured to the seat B, either by non-corrosive metal strips or cleats, as may be preferred, the purpose of the portions D being to afford means of securing the rubber lugs C to the ends of the seat B.

Inasmuch as the U-shaped dimensions of the ordinary bath-tub have been, so to speak, "standardized," the seat B may be made of the given length to fit almost all of the standard makes of tubs, thus avoiding any of the

common and unsatisfactory extension arrangements heretofore in use which present the objectionable qualities of corroding or retaining dirt and moisture.

The lugs C are preferably made with enlarged cylindrical portions  $C'$ , having projections or corrugations  $a$ , and located adjacent to the four corners of the seat to engage with the inner surface of the tub A, so as to secure a rigid position for the seat.

The ends of the seat B are rounded at  $b'$ , as clearly shown in Figs. III and IV, to conform to the internal surface of the lugs C. The downward pressure upon the seat B might tend to roll the lugs C out of position over the ends of the seat B. To obviate this difficulty, I form recesses  $b$ , as clearly shown in Figs. IV and V, within the ends of the seat B, preferably by boring shallow holes into the ends of the seat B, so that when the rubber lugs C are compressed they will be forced inwardly into the recesses  $b$ , and will thus prevent the lugs C from sliding or turning upon the ends of the seat B.

The corrugations  $a$  may be made by producing longitudinal recesses within the cylindrical portions within the lugs C without departing from the spirit of my invention.

Having thus described my invention, what I claim is—

1. A bath-tub seat comprising a plate formed with rounded ends having recesses, and cushioning-caps covering the rounded ends.

2. A bath-tub seat comprising a plate formed with rounded ends, and cushioning-caps formed with enlarged cylindrical portions at the corners of the plate and with flanges embracing the rounded ends.

3. A bath-tub seat comprising a plate formed with recesses in the ends, and cushioning-caps covering the recesses and formed with enlarged cylindrical portions at the corners of the plate and with flanges embracing the ends of the plate.

In witness whereof I have hereunto set my hand this 6th day of January, 1900.

HOWARD L. GRIMMELL.

Witnesses:

A. W. PLUMLEY,  
M. E. SNYDER.