No. 657,640. Patented Sept. 11, 1900.

E. T. BROWN.

BATH TUB SEAT.

(Application filed Feb. 12, 1900.)

(No Model.)

Fig. 1.

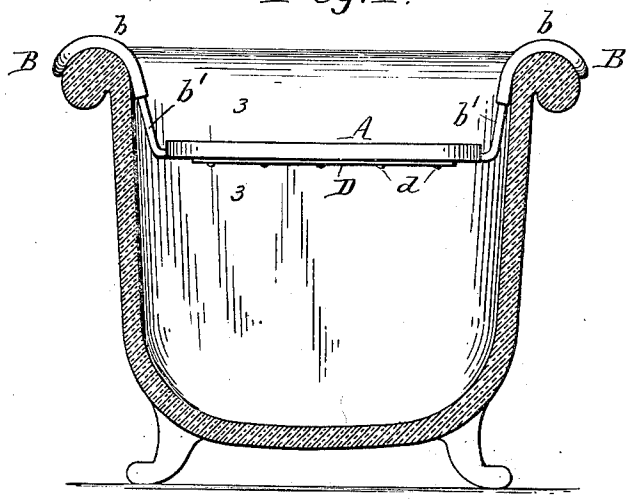


Fig. 2.

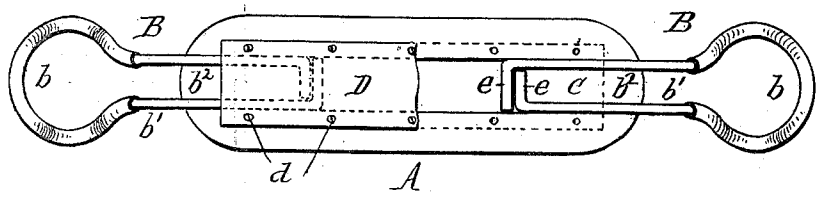


Fig. 3.

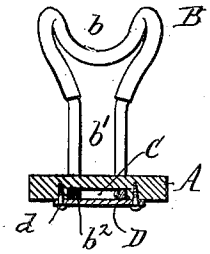
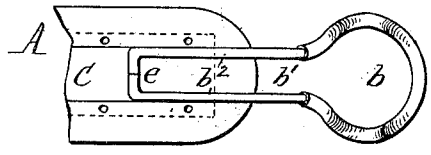


Fig. 4.



Witnesses:
E. A. Volk.
F. F. Lehrzinger

E. T. Brown Inventor.
By Wilhelm & Bonnett
Attorneys.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

EGBERT T. BROWN, OF BUFFALO, NEW YORK.

BATH-TUB SEAT.

SPECIFICATION forming part of Letters Patent No. 657,640, dated September 11, 1900.

Application filed February 12, 1900. Serial No. 4,843. (No model.)

To all whom it may concern:

Be it known that I, EGBERT T. BROWN, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented new and useful Improvements in Bath-Tub Seats, of which the following is a specification.

This invention relates to bath-tub seats in which the hangers whereby the seat is suspended from the walls of the tub are adjustable lengthwise of the seat to adapt the seat to tubs of different sizes, and more particularly to seats having hangers which are bent up of a single piece of comparatively-heavy wire.

The object of my invention is to simplify the construction of such adjustable seats and to improve the construction of the wire hangers with a view of effectually preventing twisting of the same and the rocking of the seat resulting therefrom.

In the accompanying drawings, Figure 1 is a side elevation of my improved seat applied to a bath-tub, which latter is shown in transverse section. Fig. 2 is a bottom plan view of the seat, on an enlarged scale, with a portion of the bottom plate broken away to expose the extension of one of the wire hangers. Fig. 3 is a transverse section of the seat in line 3 3, Fig. 1, on an enlarged scale. Fig. 4 is a fragmentary bottom plan view of the seat with the bottom plate omitted, showing a modified construction of the hangers.

Like letters of reference refer to like parts in the several figures.

The seat A preferably consists of a solid board of the proper length to fit conveniently into comparatively-narrow bath-tubs.

B B are the hangers, which are adjustably applied to the ends of the seat. Each of these hangers is bent up of a single length of heavy wire and consists of an approximately-circular loop b, bent into the form of a hook which is curved to fit upon the rim of a bath-tub, a pair of substantially-parallel branches or shanks b' extending downwardly from the end portions of said loop, and horizontal extensions b^2, which extend inwardly from the lower ends of the branches b'. These extensions are adjustably arranged in a longitudinal groove or recess C, formed in the under side of the seat and extending, preferably, from end to end thereof. The horizontal extensions of the wire hangers are retained in this groove or recess by a covering or bottom plate D, which extends across the open lower side of the groove and is secured to the under side of the seat by screws d or other suitable fastenings. This covering-plate extends nearly from end to end of the seat. The extensions b^2 are fitted snugly in the recess of the seat, so that they are held in position therein by frictional contact alone. The bow or loop b of each hanger B forms a connecting-spring for the branches b', which tends to spread the branches, thereby increasing the frictional bearing of the same against the walls of the seat-recess and reliably holding the hangers in place on the seat without the use of separate fastening or clamping devices.

Each of the branches b' is provided at its inner end with a horizontal inwardly-extending cross bar or arm e, which is arranged substantially at right angles to the branch b'. These cross-bars being confined between the covering-plate D and the under side of the seat act as stops which resist the torsional strains received by the hanger branches and prevent twisting of the same and the consequent rocking of the seat when the occupant bends forwardly. The two cross-bars e of each hanger preferably overlap each other in order to obtain cross-bars of maximum length, as shown in Fig. 2; but, if desired, the cross-bars may be arranged in line with each other, as shown in Fig. 4, in which case the bars may be left disconnected or secured together by brazing or other means.

The hangers are adjusted on the seat by simply forcing their extensions b^2 farther into the recesses of the seat or withdrawing them more or less, according to the width of the bath-tub to which the seat is to be applied.

As no separate fastening or clamping devices are employed for the adjustable hangers, the adjustment of the hangers is facilitated and the construction of the seat is simplified accordingly.

I claim as my invention—

1. The combination with the seat-board provided in its under side with a longitudinal groove or recess, of a covering-plate secured to the under side of the seat-board and extending across the open lower side of its

groove, and adjustable wire hangers each comprising a hook-shaped loop adapted to fit over the rim of a bath-tub, and shanks or branches extending downwardly from said loop and provided with inward extensions which are frictionally confined in said groove or recess, substantially as set forth.

2. The combination with the seat-board provided in its under side with a longitudinal groove or recess, of hangers, each comprising a hook-shaped loop adapted to fit over the rim of the bath-tub, shanks which extend downwardly from the ends of said loop and which have parallel inward extensions which are arranged in said groove or recess and terminate at their ends in cross-bars which bear against the under side of the seat-board and resist twisting of said extensions, and means whereby said extensions are frictionally confined in said groove, substantially as set forth.

3. The combination with the seat-board provided in its under side with a longitudinal groove or recess, of hangers, each comprising a hook-shaped loop adapted to fit over the rim of the bath-tub, shanks which extend downwardly from the ends of said loop and which have parallel inward extensions which are arranged in said groove or recess and terminate at their ends in cross-bars which overlap each other and extend across said groove, and means whereby said extensions are frictionally confined in said groove, substantially as set forth.

Witness my hand this 7th day of February, 1900.

EGBERT T. BROWN.

Witnesses:
JNO. J. BONNER,
CLAUDIA M. BENTLEY.