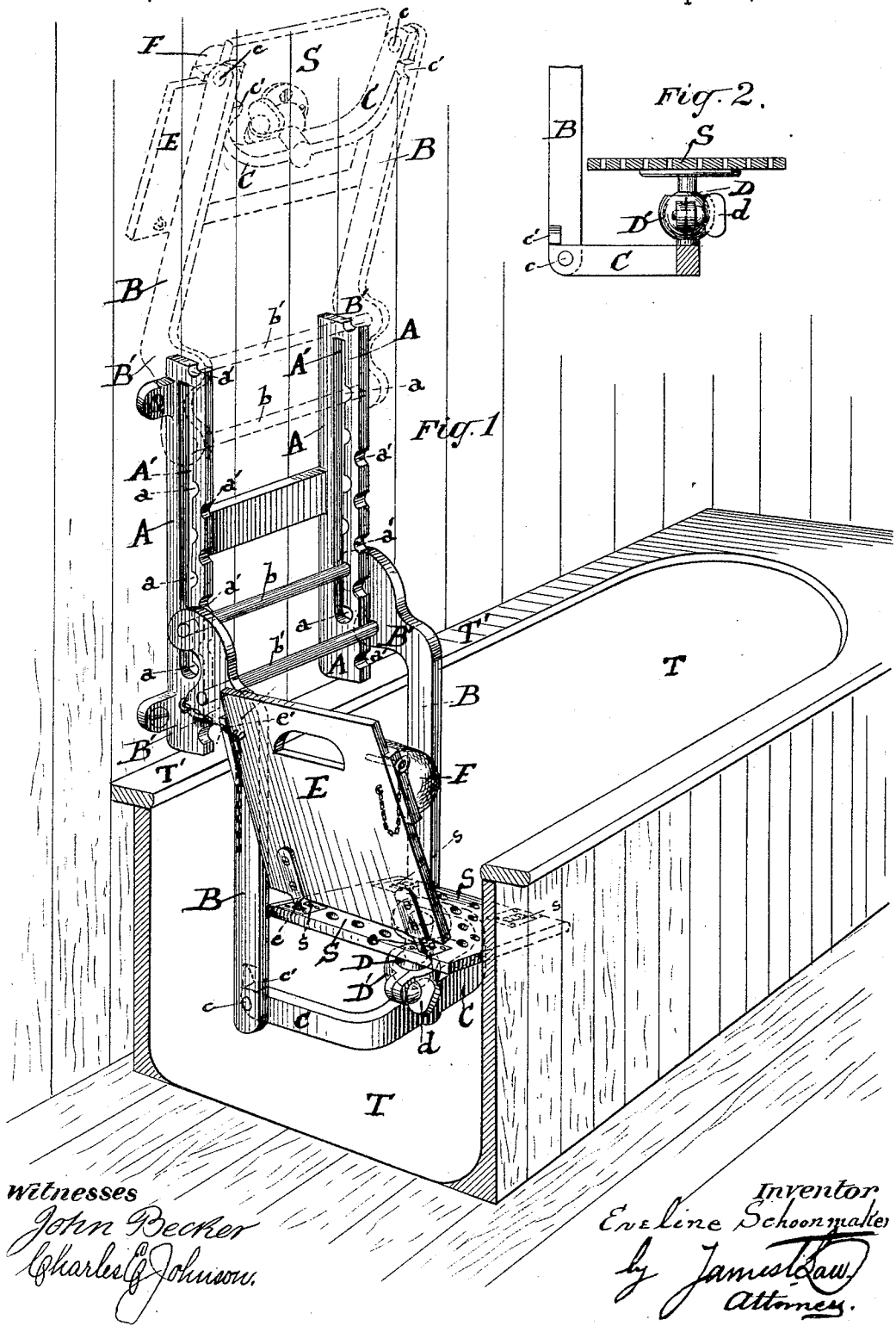
(No Model.)

E. SCHOONMAKER.

BATH TUB SEAT.

No. 424,730. Patented Apr. 1, 1890.



Witnesses
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UNITED STATES PATENT OFFICE.

EVELINE SCHOONMAKER, OF THREE RIVERS, MICHIGAN.

BATH-TUB SEAT.

SPECIFICATION forming part of Letters Patent No. 424,730, dated April 1, 1890.

Application filed September 28, 1889. Serial No. 325,433. (No model.)

To all whom it may concern:

Be it known that I, EVELINE SCHOONMAKER, a citizen of the United States, and a resident of Three Rivers, in the county of St. Joseph and State of Michigan, have invented certain new and useful Improvements in Bath-Tub Seats, of which the following is a specification.

My improvement consists in a novel construction and arrangement of the bath-tub seat by means of which the seat is adjustable at different heights from the bottom of the bath-tub, or can be raised and lowered as is required, and by which the seat and back may incline at any angle in order to adapt the bath-seat for the use of invalids and those requiring an easy support while in the bath, and, furthermore, consists of a seat permanently attached to the wall of the room and capable of being folded and turned up against the latter when not in use.

In the drawings illustrating my improvement, in which like letters indicate like parts, Figure 1 is a view of the seat turned-down ready for use, showing the back attached to the seat and the latter inclined, and also showing in dotted lines the position of the seat when folded and turned up against the wall. Fig. 2 is a side view, partly in section, of the seat proper, showing the mechanism by which the seat is made to incline.

In the particular construction shown in the drawings the frame A is securely fastened to the wall of the room next to and back of the bath-tub in such a position that the seat may be turned down into the tub. This frame consists of the two uprights A A, attached to the wall in any suitable manner.

In each upright or section of the frame is a slot A′, extending lengthwise of the latter, and on the outer part of the uprights are notches *a* and *a′* next to the slot and on the outer edge of the frame, so placed as to accommodate the rungs or bars of the swinging seat-frame B, as will be understood from the drawings and as is described below.

Within the frame A A, and engaging with the latter, is the swinging seat-frame B, which supports the seat S. This swinging frame consists of the vertical arms B B, having their upper portions curved, as shown at B′ B′, and fastened together at one end by the rungs or bars *b* and *b′* and at the other or seat end by the curved support or arm C. The frame B is wider than the frame A, so the arms B B are on the outside of the uprights A A.

The frames A and B are put together or connected in such a manner that the rung or bar *b* is within the slot A′, and the rung or bar *b′* rests on the outside of the uprights A A, and these rungs are so arranged in the arms B B that when the frame B is turned down into the tub and the rung *b* is in one of the notches *a* the rung *b′* will be in the corresponding outer notch *a′*, and the frame B will thus be securely held in the frame A, as will be seen from the drawings. As there are a number of these notches *a a′*, it follows that the arms B B, and consequently the seat connected to them, may be supported at any position in the frame A, and hence raised up and down so as to bring the seat attached to the arms at any desired distance from the bottom of the bath-tub. As the rung or bar *b′* rests outside of the frame A, it follows that the arms B B may be turned up next to the wall of the room, so as to bring the seat S against the latter, as is shown by the dotted lines in Fig. 1.

The construction of the arms B B, and particularly of the curved ends B′ B′, and of the frame A should be such that when the arms are turned down into the tub the curved parts B′ B′ will clear the top T′ of the bath-tub and bring the seat midway between the sides of the latter, and when the arms are turned up the folded seat S will rest against the wall of the room.

At the outer end of the arms B B opposite the curved ends B′ B′ is the support or curved arm C, on which the seat S is mounted. This support C is attached to the arms B B by the pivots *c*, so it can turn between the arms when the seat is folded, as shown by the dotted lines in Fig. 1, and is held up at right angles to the arms when turned down by the brackets *c′* on the arms B. On the center of this curved arm or support C is mounted the seat S. The seat is attached to the arm by a ball-and-socket joint D D′, as will be seen more particularly in Fig. 2, by means of which the seat may be inclined in either direction,

as may be required. By means of the set-screw *d* the socket D′ can be tightened around the ball-joint, and thus hold the seat at any inclination found desirable.

To either end of the seat S is connected the detachable back E. This back is fastened to the seat by hooks *e*, which enter eyes *s*, inserted in the seat near the front and back edges, so as not to incommode the bather. The back can incline at any angle to the seat, and is held up or in place by the chain *e′*, attached to the frame A, or by any other suitable support, and can turn down over the seat when the latter is folded, or, if desired, may be removed entirely from the seat and hung up against the wall. On this back is a head-rest or cushion F, which is adjustable or arranged to slide up and down, as may be desired.

As will thus be seen, my improved bath-tub seat may be placed at any height required to adapt the seat for different persons, and the seat and back may be placed at any angle or inclination desired by the bather, so as to form a comfortable support to the latter while in the bath, and when not in use the back and seat may be folded together and turned back against the wall, thus leaving the bath-tub free for ordinary uses.

My improvement may be used as an ordinary bath-tub seat without the back and with the seat held horizontal, and for such uses is particularly desirable, as the seat is adjustable at any height and may be folded out of the way when not in use; but my bath-tub seat is principally designed for use in hospitals and for invalids and others requiring a restful support while in the bath.

I do not wish to confine myself to the exact construction here shown and described, as the several parts of the seat may be varied in shape and construction.

What I claim is—

1. In a bath-tub seat, the combination of the frame A and the adjustable arms B, adapted to support the seat and capable of being adjusted at different heights in the frame A, substantially as described, and for the purpose set forth.

2. In a bath-tub seat, the combination of the frame A, the arms B, adapted to support the seat and capable of being adjusted in the frame A at different heights and of turning back against the wall, and the folding seat S, substantially as described, and for the purpose set forth.

3. In a bath-tub seat, the combination of the frame A, the adjustable arms B, adapted to support the seat and capable of being adjusted in the frame A at different heights, and of turning back against the wall, and the folding seat S, arranged and adapted to incline in either direction and having the detachable back E, as and for the purpose set forth.

4. In a bath-tub seat, the combination of the frame A, the adjustable arms B, adapted to support the seat and capable of being adjusted at different heights in the frame A, and the seat S, arranged and adapted to incline in either direction and having the detachable back E, substantially as and for the purpose set forth.

5. In a bath-tub seat, the combination of the frame A, having the slots A′ and notches *a* and *a′*, the arms B, having the bars *b* and *b′* arranged and adapted to engage with the notches *a* and *a′*, for the purpose described, and provided with the swinging arm C and capable of turning back against the wall, and the folding seat S, connected to the arm C by the ball-and-socket joint D D′ and adapted to incline in either direction, and provided with the detachable back E, all constructed and operating substantially as described, as and for the purpose set forth.

Signed at Chicago, in the county of Cook and State of Illinois, this 12th day of August, A. D. 1889.

EVELINE SCHOONMAKER.

Witnesses:
EDW. F. THOMAS,
JNO. P. BRISBEN.