(No Model.)

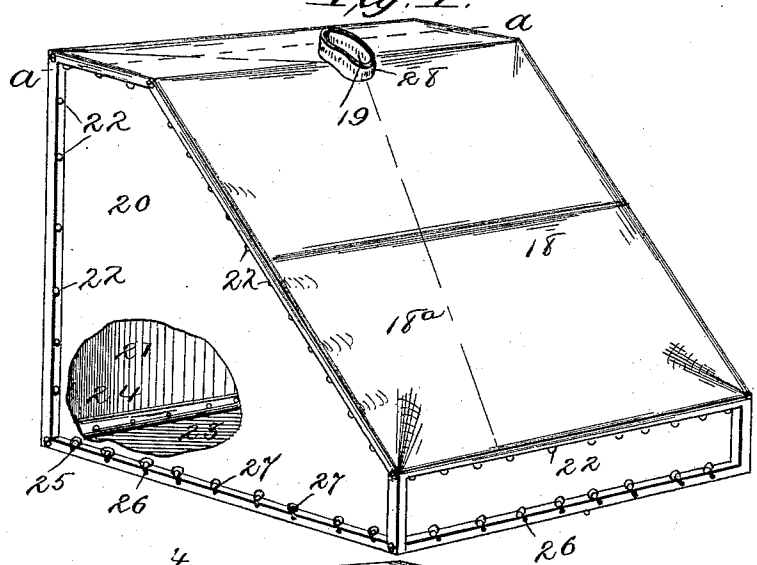
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O. PEHRSSON.

FOLDING VAPOR BATH.

No. 445,432. Patented Jan. 27, 1891.

Fig. 1.



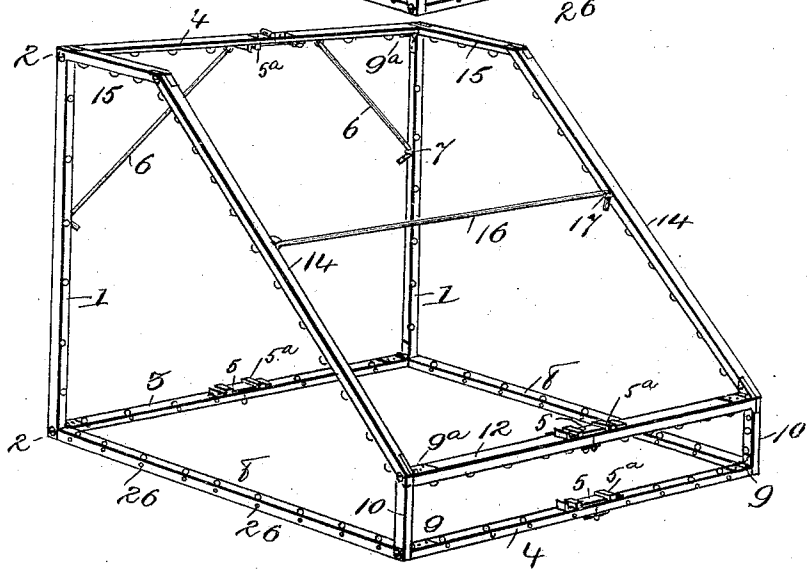


Fig. 2.

WITNESSES

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(No Model.) 2 Sheets—Sheet 2.

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Fig. 5.

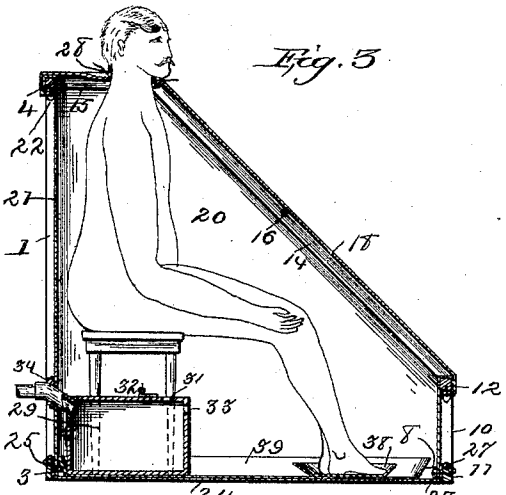


Fig. 4.

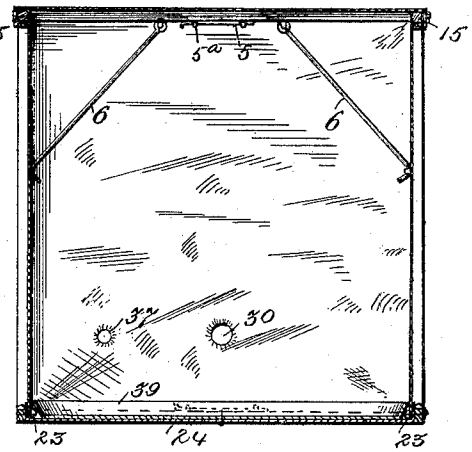


Fig. 5.

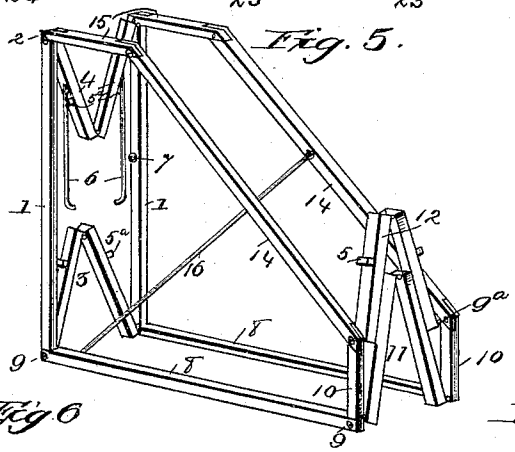


Fig. 6

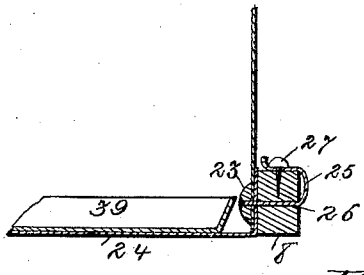


Fig. 7.

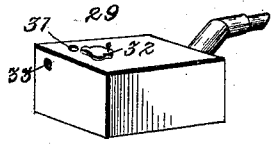
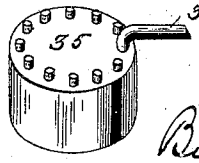


Fig. 8.



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UNITED STATES PATENT OFFICE.

OLOF PEHRSSON, OF TACOMA, WASHINGTON.

FOLDING VAPOR-BATH.

SPECIFICATION forming part of Letters Patent No. 445,432, dated January 27, 1891.

Application filed August 25, 1890. Serial No. 362,983. (No model.)

To all whom it may concern:

Be it known that I, OLOF PEHRSSON, a citizen of the United States, residing at Tacoma, in the county of Pierce and State of Washington, have invented certain new and useful Improvements in Folding Turkish-Bath Boxes; 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 appertains to make and use the same.

My invention consists in a new and improved folding bath-tub by the use of which any one can conveniently take a Turkish or hot-vapor bath at home, and the flexible bath-tub when not in use can be folded and rolled up in a very small package and placed out of the way.

My invention will be hereinafter fully described and claimed.

Referring to the accompanying drawings, Figure 1 is a perspective view showing the bath-tub arranged ready for use. Fig. 2 is a similar view of the frame-work or supporting-frame of the bath-tub with the cover removed. Fig. 3 is a sectional view illustrating the bath-tub in use. Fig. 4 is a view taken on line *a a* of Fig. 1. Fig. 5 shows the supporting-frame folded. Fig. 6 is a detail view, on an enlarged scale, of one of the corners shown in Fig. 3. Fig. 7 illustrates in detail the steamer. Fig. 8 illustrates in a similar manner the alcohol-lamp which may be employed in place of the steamer when a dry heat is desired.

The same numerals of reference indicate corresponding parts in all the figures.

Referring to the several parts by their designating numerals, 1 1 indicate the rear uprights of the supporting-frame of the bath-tub, the ends of which are secured by the screws 2 to the ends of the rear upper and lower cross-bars 3 4. Each of the said cross-bars is formed in two sections, being jointed and hinged at its center to adapt it to be folded together, as shown in Fig. 5, while when straightened out the cross-bars are held open by slides 5, sliding in flat staples 5^a. To the inner ends of the upper bar-sections are hinged by staples passing through their eyed upper ends brace-rods 6, the hooked lower ends of which are caught in eyes 7 on the uprights 1 when the frame is opened out, to brace and strengthen it.

8 8 indicate the bottom side bars of the frame, the ends of which are secured by screws 9 to the lower ends of the rear and forward uprights 1 1 and 10 10, the front uprights 10 being about one-third the height of the rear uprights, as shown. The lower and upper ends of the front uprights are connected by cross-bars 11 12, the ends of which are secured to the ends of the said uprights by screws 13, while to the upper ends of the front uprights are secured in a similar manner the lower ends of inclined side pieces or bars 14 14. The upper ends of these side bars are secured by thumb-screws to the forward ends of short top bars 15, which in turn have their rear ends secured by screws to the upper ends of the rear uprights 1 1. The front cross-bars 11 and 12 are made in sections and hinged at their centers like the rear cross-bars 4 3, and have similar locking-slides 5 to hold them in their open position. The upper part of the frame may be braced, if additional strength is required, by means of a brace-rod 16, secured at one end by a staple to one of the inclined bars 14, and having a hooked free end which is caught in an eye 17 in the other inclined bar 14, as shown. If not desired for use, this brace-rod can hang down from its hinged end or may be entirely removed.

The cover of my bath-tub may be of rubber, cloth, or any suitable material, the top 18 being formed with an opening 19, which fits around the neck of the person using the bath. The edges of the top cover 18 and the upper edges of the sides and ends 20 21 of the cover are passed over and around the upper bars of the supporting-frame and buttoned tightly on buttons 22 on the under side of those bars, as shown in Fig. 3. To the lower ends of the sides and ends of the cover are secured strips 23, of wood or metal, and these lower ends extend down within the upwardly-turned ends of the bottom piece 24 of the cover. Straps 25 pass through the strips 23, through the upwardly-turned ends of the bottom 24, and through holes 26 in the bottom bars 4 8 12 of the supporting-frame, their outer ends being tied or secured on buttons 27, as shown clearly in Figs. 3 and 6. By this arrangement the cover

is secured in a thoroughly air-tight manner around the supporting-frame. The top 18 of the cover is formed with a flap 18ª, which is left open until the person taking a bath has entered the bath-tub, when the flap is buttoned like the rest of the top cover. Around the neck-opening 19 is fastened a collar 28, about four inches high, of soft cloth, and having running through it a draw-string. This collar is drawn by its string tight around the neck, effectually preventing the escape of the steam or hot air, while permitting the person taking the bath to move sufficiently to soap, wash, and brush himself, which would be impossible in a bath-tub of this kind formed of wood.

To provide the heat, I employ either the steamer shown in detail in Fig. 7 or the alcohol-lamp shown in Fig. 8; or the heat may be furnished by any desired and suitable means. The neck of the steamer 29 projects through an opening 30 in the back of the covering. The steamer is provided on top with an opening 31, through which the steam escapes from it immediately under the bather, the escape of steam through this top opening being regulated by a slide-valve 32 within convenient reach of the bather, a short open pipe 33 being provided on the side of the steamer, so that the steam can be discharged at the side instead of up through the top opening, to suit the convenience of the bather. A collar 34, having a draw-string, is secured around the opening 31, this collar being drawn tightly around the neck of the steamer to prevent the escape of steam from the tub.

When a dry heat is desired, the alcohol-lamp 35 (shown in Fig. 8) may be used, either by introducing the entire lamp within the bath-tub or by leading its heat-pipe 36 through an opening 37 into the bath-tub, this opening being in the back of the bath-cover.

The bather sits with his feet in a shallow receptacle 38, containing warm water, and when he desires to take a douch after the hot-vapor bath a water-proof bottom cloth 39, the edges of which are bent up and secured in that position, is introduced, as shown, and this receptacle can be readily removed and emptied when the bath is over.

From the foregoing description, taken in connection with the accompanying drawings, the construction, operation, and advantages of my invention will be readily understood.

It will be seen that my folding portable Turkish-bath tub is simple, cheap, and strong in construction, very effective in operation, giving a perfect Turkish or hot-vapor bath. It can be set up and used in any room, while when not in use it can be folded into a very small compass and placed out of the way.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The combination of the folding supporting-frame, the lower bars thereof being formed with the transverse openings 26, and the lower and upper bars having the buttons 22 27, the side and end covers having their upper ends passing around the upper bars of the supporting-frame and buttoned on the buttons thereof and having secured to their lower ends the apertured strips 23, the top cover having the flap and the neck-opening and buttoned on the buttons 22, the bottom cover having the upwardly inclined apertured edges, and the straps 25, passing through the strips 23, the upper ends of the bottom cover, and the openings 26 of the bottom bars of the supporting-frame, substantially as set forth.

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

OLOF PEHRSSON.

Witnesses:
S. NELSEN,
HANS CHR. PANDE.