(No Model.)

J. A. HOLLEM.

SWEATING BATH.

No. 548,641. Patented Oct. 29, 1895.

Fig. 1.

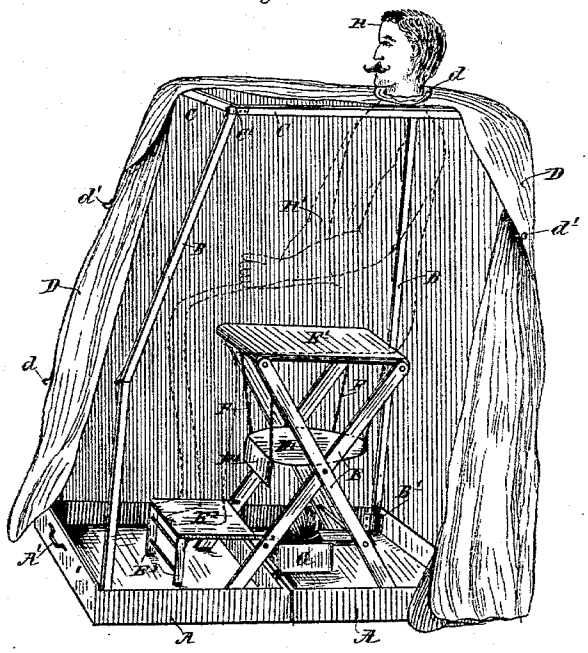


Fig. 3.

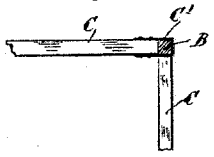


Fig. 2

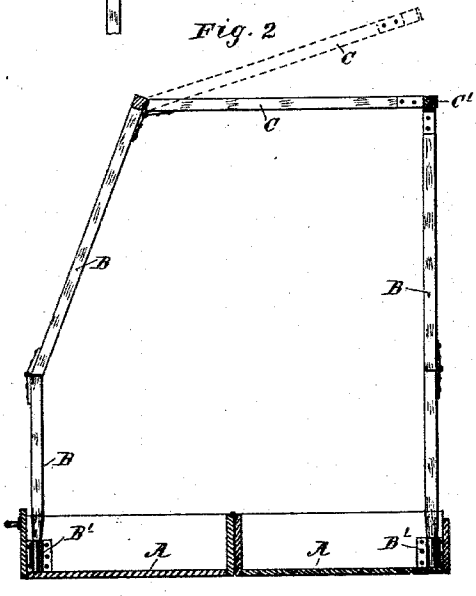


Fig. 4

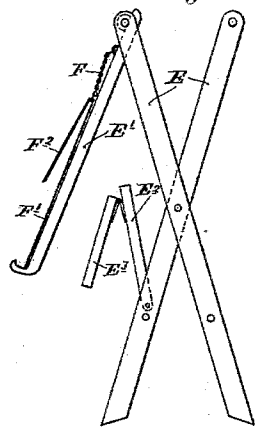
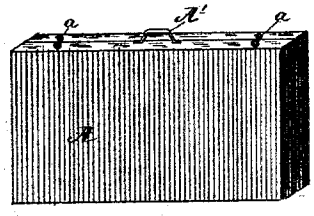


Fig. 5.



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E. F. Elmore.

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Jas. F. Williamson

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UNITED STATES PATENT OFFICE.

JOHN A. HOLLEM, OF MINNEAPOLIS, MINNESOTA, ASSIGNOR OF ONE-HALF TO WILLIAM A. EDWARDS, OF SAME PLACE.

SWEATING-BATH.

SPECIFICATION forming part of Letters Patent No. 548,641, dated October 29, 1895.

Application filed May 6, 1892. Renewed June 20, 1895. Serial No. 553,475. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. HOLLEM, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Sweating-Baths; 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 relates to sweating-baths, and has for its object to provide a bath of a portable and knockdown construction which shall be convenient and complete in its arrangements for the purpose had in view and which shall be serviceable in use.

A bath constructed in accordance with my invention is illustrated in the accompanying drawings, wherein like letters refer to like parts throughout.

Figure 1 is a perspective view showing the bath as applied in use. Fig. 2 is a sectional elevation with the cover and the interior articles removed. Fig. 3 is a detail in plan, illustrating the way in which the cross-braces and the standards of the skeleton frame are locked together. Fig. 4 is a side elevation of the folding stool and foot-support and their connected parts detached; and Fig. 5 is a perspective view of the folding case which incloses the parts when knocked down and folded together, and which when opened out constitutes the box-like bottom of the bath-frame.

A A represents the two-part folding case, adapted to the purposes just previously noted, and which is shown in its closed position in Fig. 5 and in its opened-out position as applied for the bottom of the bath in Fig. 1.

B C are respectively the standards and the cross-braces, which together constitute the skeleton frame. The standards B are each constructed of two pivotally-connected sections adapted to fold together, and the cross-braces are pivotally connected to the standards. Hence when knocked down and folded together these parts occupy but little space and will go inside of the case A. When applied in use, as shown in Figs. 1 and 2, the lower ends of the standards B fit within vertical sockets B′, located inside the box A at the corners of the same, and the free ends of the cross-braces C are provided with staples C′, which fit over the ends of the opposite vertical standards and lock the parts together. One of the cross-braces is pivoted to each of the vertical standards and engages the opposite vertical standard, so that the four braces constituting the top of the frame form a rectangle, and taken together with the box-like bottom and the supporting-sockets therein securely lock the parts of the frame in its upright or working position.

D is the flexible covering, which is preferably made of some suitable odorless material which is capable of being washed. This covering is of a size sufficient to envelope the entire frame, and at its center or top when in position it is provided with a hole *d* for the passage of the bather's head, or is otherwise suitably formed so as to be drawn around the neck of the bather.

The cover may be conveniently formed with a parting and overlapping line from the head-passage to its margin, and be equipped with hooks and eyes, as shown at *d′*, by which when the bather is in position the meeting flaps or margins may be secured together, so as to form a continuous cover. The lower margin of the cover may be secured to the box by similar means, if so desired, or may be left to freely hang over the same. For all practical purposes the hooks and eyes on the meeting flaps are sufficient, as thereby the lower margin of the cover may be drawn tightly around the box and be secured together and will be held down by the clamping action of the same against the projecting corners or other projections on the box.

E E′ is a folding stool, of which parts E are the legs and E′ the pivoted seat.

E^2 E^3 is a folding foot-support, which is pivotally connected to the front legs of the stool and folds up therewith.

The stool has suspended from the seat portion of the same by chains F a horizontal deflector F′, which is also provided at its forward edge with a pivoted vertical deflector F^2. These deflectors are both made of sheet metal.

G is an alcohol-lamp, which may be of any suitable construction. Any other suitable

form of lamp or heating appliance may be used instead of the alcohol-lamp which is shown.

The combined stool and foot-support when in use appear as shown in Fig. 1. The lamp is applied directly under the deflectors, resting loosely on the box-bottom. The foot-support is so formed and positioned that the horizontal part of the same, when in use, is at a higher level than the lamp.

H represents the head of the bather, and H′ an outline of his body, when in position within the bath. The cover, instead of being as shown, will of course be drawn tightly around the frame, so as to entirely inclose the body of the bather.

It should be noted that the upper sections of the front standards B of the frame are inclined backward. This is for the purpose of contracting the area of the bath at its upper portion, so as to produce a better effect on the body of the bather from the heated air.

Supposing the person to be in position within the bath and the lamp to be burning, the heat will be deflected outward by the suspended deflectors, and the column of hot air will envelop the body of the bather. Considerable direct radiation will also be effected from the surface of the sheet-metal deflectors. The elevated position of the foot-rest insures the passage thereunder of a considerable part of the heat from the lamp, and the position of the deflectors will also throw the heat downward onto the top of the foot-support. By this arrangement an effective heating of the feet of the bather is insured.

It should be noted that the folding box A is made water-tight.

In virtue of the open-top skeleton frame and the flexible covering with head-passage the bath is usable equally well by either a child or an adult. If in use by a child or short person, the flexible cover will simply be drawn inward through the top of the frame. When set up for use, the floor-space required is less than three feet square, and when the parts are knocked down and folded together they will go into the case formed by the folding box or bottom of the bath and form a package not greater in size than that of an ordinary grip. The parts are of such simple construction that in case any of them should be broken or lost they may be readily replaced at small cost.

By actual usage I have demonstrated the efficiency of this bath.

The case is provided with hooks *a* for holding its two parts together when closed, and with a handle A′ for carrying the same.

What I claim, and desire to secure by Letters Patent, is as follows:

1. In a bath, of the class described, the combination with the folding stool E E′, provided with the folding foot support E^2 E^3, of the horizontal deflector F′, suspended from said stool, by means of the flexible connections F, and having pivoted to its forward edge the vertical deflector F^2, all of said parts being adapted to be folded together and adapted to be used substantially as described.

2. As a new article of manufacture, the knockdown portable bath, comprising the two part folding case A A′, adapted, when opened, to form a box-like bottom for the bath frame, and, when closed, to form a grip-like case inclosing the knocked-down parts, the folding skeleton frame B C, supportable from said opened case, the folding stool and foot support E E′ E^2 E^3, provided with the deflectors F′ F^2, suspended under the stool seat by flexible connections F, a heating device, as the lamp G, and the flexible cover D, all the said parts being arranged and operating substantially as and for the purpose set forth.

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

JOHN A. HOLLEM.

Witnesses:
JAS. F. WILLIAMSON,
EMMA F. ELMORE.