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P. KELLNER

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VAPOR BATH EQUIPMENT

Original Filed Oct. 5, 1935

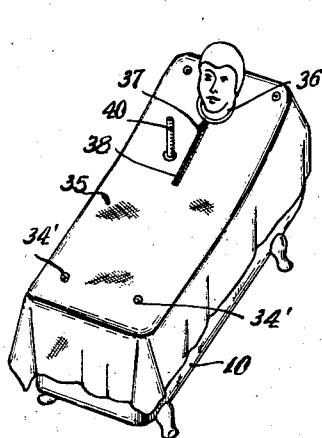


Fig. 1

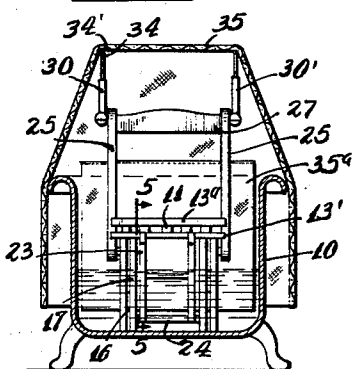


Fig. 3

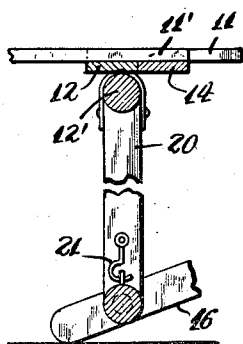


Fig. 6

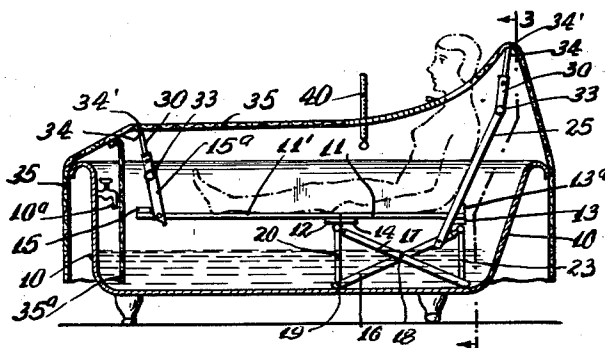


Fig. 2

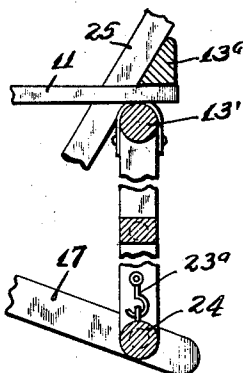


Fig. 5

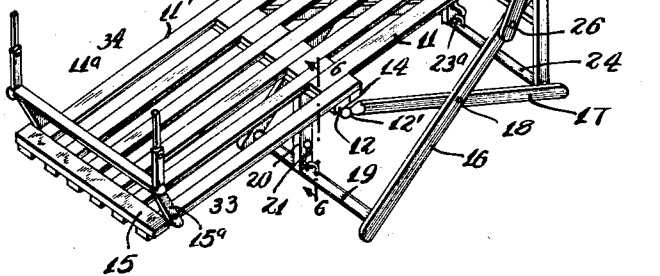


Fig. 4

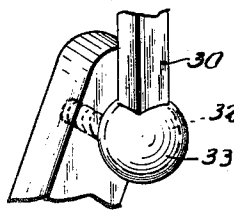


Fig. 7

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VAPOR BATH EQUIPMENT

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4 Claims. (Cl. 4-162)

This invention relates to new and useful improvements in vapor bath equipment.

The invention has for an object the construction of a seat structure which is adapted to be placed in a bath and includes several vertical posts upon which a vapor holding cover may be mounted so as to be held spaced from the person taking the bath, and to be properly supported over the body to imprison the vapors.

Still further the invention proposes to so arrange the seat structure that the steam may reach a large portion of the body of a person sitting thereon.

Another one of the objects is an arrangement whereby the vertical posts may move within limited distances so that a person is free to shift around while taking the bath, within certain limits.

Still further the invention contemplates a construction whereby the seat structure is adjustable to accommodate persons of different sizes and baths of different lengths.

Another object of the invention is the construction of a device as described which is simple and durable and which may be manufactured and sold at a reasonable cost.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawing, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawing forming a material part of this disclosure:—

Fig. 1 is a perspective view of a person taking a bath in a vapor bath device constructed according to this invention.

Fig. 2 is a longitudinal sectional view of the bath showing the seat structure in side elevation.

Fig. 3 is a sectional view taken on the line 3—3 of Fig. 2.

Fig. 4 is a perspective view of the seat structure per se.

Fig. 5 is a fragmentary enlarged sectional view taken on the line 5—5 of Fig. 3.

Fig. 6 is a fragmentary enlarged sectional view taken on the line 6—6 of Fig. 4.

Fig. 7 is a fragmentary enlarged detailed view of a portion of Fig. 4 and showing in particular one of the vertical posts.

The vapor bath equipment, according to this invention, consists of a seat structure adapted to be placed in a bath tub 10 and constructed with a plurality of openings so that a large portion of a person's body sitting on the seat structure is

exposed to the vapors from the bath. Thus, a person may shift in the seat to expose different portions of the skin at various times.

The seat structure consists of a plurality of longitudinal, parallel and spaced strips 11 held together in a unit by transverse strips 12 and 13^a at the front and rear ends respectively. The strips 11 are associated with slideable extension strips 11' between said strips 11. The front ends of the extendable strips 11' are held together fixedly by a transverse strip 15 on the top thereof. The rear ends of the extension strips 11' are held together by a transverse strip 14 at the bottom thereof.

A leg structure is provided for supporting the strips 11 and consists of a pair of pivotally connected feet members 16 and 17 at each of the sides. These members 17 and 16 are pivotally connected at their centers by pintles 18. The upper ends of the members 16 are pivotally mounted upon a transverse rod 13' attached on the bottom of bar 13^a. A brace 19 is extended between the lower ends of the members 16. A support 20 is pivotally mounted upon a rod 12' attached on the bottom of the bar 12 and is adapted to assume a vertical position and has a recessed lower end engaging the brace 19. A hook and eye 21 latch these parts together. A vertical brace 23 is pivotally mounted at its upper end upon the transverse rod 13' and at its lower end is adapted to engage a brace rod 24 between the lower ends of the members 17. The upper ends of the members 17 freely engage the bottom face of the strip 12. Hooks and eyes 23^a latch the brace 23 together with the rod 24.

The seat structure may be folded when desired by sliding in the strips 11' and by folding the free members against each other. The folding thereof will easily be understood from the drawing and will not be amplified herein.

Associated with the seat structure is a seat back which consists of a pair of side members 25 pivotally connected at their lower ends by pintles 26 upon the members 16 and adapted to rest in an upwardly backward inclined position against the ends of the bar 13^a which has a receiving inclined side, see Fig. 5. A transverse bar 27 is connected between the members 25. Associated with the seat structure there are several vertical posts 30. These vertical posts each consist of telescoping parts 30^a and 30^b adjustably held in various fixed positions by clamp screws 31. These clamp screws threadedly engage one of the parts and are adapted to be clamped against the

other of the parts to maintain the adjusted positions.

The lower ends of the posts 30 are provided with spherical members 32 which engage sockets 33 mounted upon the seat structure. The vertical posts 30 on the foot end of the seat structure are mounted on a frame 15^a pivoted on the sides of the strips 11'. The parts 32 and 33 act as a ball and socket joint so that the posts may be pivoted to various inclined positions besides the truly vertical position. Snap fastener elements 34 are mounted on the top of each of the vertical posts 30. These snap fastener elements are capable of engagement with complementary snap fastener elements 34' mounted upon the bottom side of a vapor holding cover 35. This vapor holding cover is of waterproof and steam-proof material and is of a sufficient size to hang over the edges of the bathtub 10 when in use. It is formed with an opening 36 through which one's head may project. This opening 36 communicates with a slot 37 closed by a slide fastener 38. The opening may therefore be temporarily enlarged when desired so that the cover may be engaged over one's head and then engaged tightly against the neck. A thermometer 40 is mounted through the cover 35 so that the bather may know the temperature under the cover. A baffle portion 35^a is attached upon the inner face of the cover 35 and covers the water faucets 10^a of the bathtub.

The operation of the device is as follows:—A Turkish bath, that is, a vapor bath, may be taken by placing the seat structure within a conventional bathtub. The person then properly adjusts the foot rest of the structure for convenience. He then sits upon the seat structure and engages his head through the vapor holding cover which is then attached on the vertical posts 30 by proper coaction between the snap fasteners 34 and 34'. The cover is adjusted so that its edges hang over the edge of the bathtub. The bath may now be taken and the steam from the hot water, at any desired degree, may be measured by the thermometer 40.

The person is free to move laterally or longitudinally in that the vertical posts 30 are supported by the ball and socket supports 32 and 33. The posts 30 are in the vertical positions because of frictional resistance inherent in the ball and socket joints which must necessarily be quite tight.

While I have illustrated and described the preferred embodiment of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:—

1. Vapor bath equipment, comprising a seat structure adapted to be placed in a bath and constructed with a plurality of openings so that a large portion of one's body sitting on said seat is exposed to the vapors from a bath, several vertical posts from said seat structure, and a vapor holding cover mounted on said vertical posts and adapted to cover the entire bath and formed with an opening through which one's head may extend, each of said vertical posts being supported by means which permits lateral and longitudinal pivoting.

2. Vapor bath equipment, comprising a seat structure adapted to be placed in a bath and constructed with a plurality of openings so that a large portion of one's body sitting on said seat is exposed to the vapors from a bath, several vertical posts from said seat structure, and a vapor holding cover mounted on said vertical posts and adapted to cover the entire bath and formed with an opening through which one's head may extend, each of said posts being supported at its lower end by a ball and socket structure on said seat structure.

3. Vapor bath equipment, comprising a seat structure adapted to be placed in a bath and constructed with a plurality of openings so that a large portion of one's body sitting on said seat is exposed to the vapors from the bath, a bath for said seat having a set of faucets at its rear end, several vertical posts on said seat structure, a vapor holding cover mounted on said vertical posts and adapted to cover the entire bath and formed with an opening through which one's head may extend, and means associated with the bath equipment for preventing hot water from said faucets from splashing on the feet of the bather.

4. Vapor bath equipment, comprising a seat structure adapted to be placed in a bath and constructed with a plurality of openings so that a large portion of one's body sitting on said seat is exposed to the vapors from the bath, a bath for said seat having a set of faucets at its rear end, several vertical posts on said seat structure, a vapor holding cover mounted on said vertical posts and adapted to cover the entire bath and formed with an opening through which one's head may extend, and means associated with the bath equipment for preventing hot water from said faucets from splashing on the feet of the bather, comprising a baffle sheet attached at its upper edge to the inner side of said cover and extending down over said faucets.

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