

B. A. DEANS & M. J. SONGER.
HOT WATER HOLDER.
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981.388.

Patented Jan. 10, 1911.

Fig. 1.

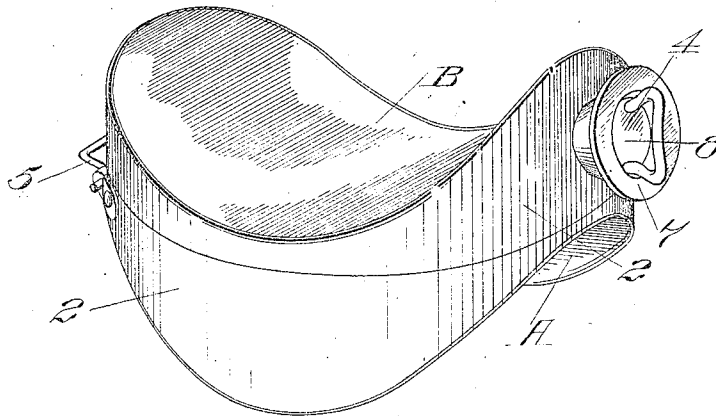


Fig. 2.

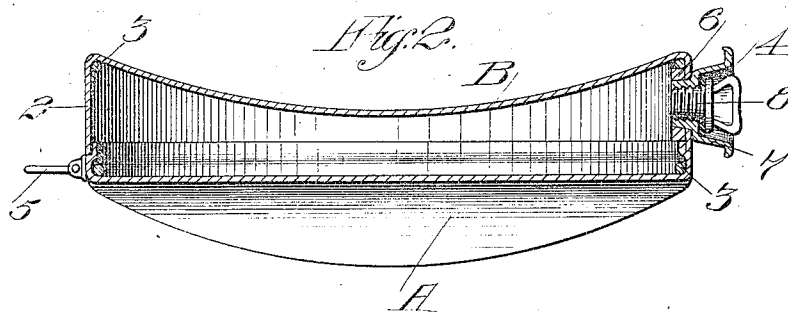
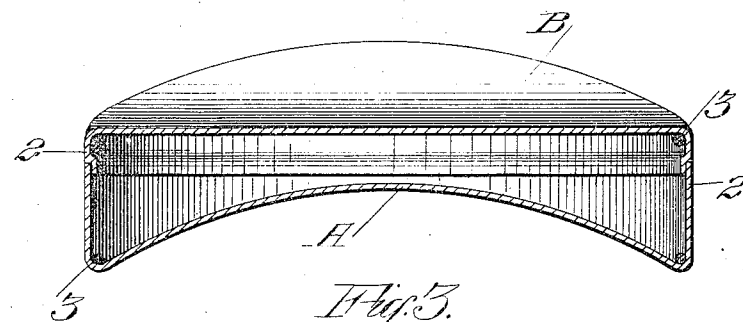


Fig. 3.



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BERTHA A. DEANS AND MARTHA J. SONGER, OF SANTA CRUZ, CALIFORNIA.

HOT-WATER HOLDER.

981,388.

Specification of Letters Patent.

Patented Jan. 10, 1911.

Application filed March 9, 1910. Serial No. 548,216.

To all whom it may concern:

Be it known that we, BERTHA A. DEANS and MARTHA J. SONGER, citizens of the United States, residing at Santa Cruz, in the county of Santa Cruz and State of California, have invented new and useful Improvements in Hot-Water Holders, of which the following is a specification.

Our invention relates to a device for holding hot water, especially to be applied to a person in a manner similar to hot water bags.

The invention consists of the improved hot water holder which we will hereinafter describe and claim.

The invention consists in the combination of parts, and the details of construction which will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 is a perspective view showing the hot water holder. Fig. 2 is a transverse section taken through the vent passage. Fig. 3 is a transverse section taken at right angles to Fig. 2.

For the purpose of applying heat to various portions of the human body, and for other conveniences, it is customary to employ bags of rubber, which are adapted to contain hot water, and which, being flexible, will readily conform to those portions to which it is desired to apply the heat. Such bags are objectionable from the fact that they soon lose their ability to resist wear and the action of water, and very often leak, and the hot water coming in contact with the person will produce serious scalds or burns.

It is the object of our invention to provide a holder of rigid conducting material, and having its sides permanently shaped so that they will fit such portions of the body as most require the application of such heat.

As shown in the drawings, A and B are two opposite sides of our apparatus. These sides are bent into concave form, the concavity of one lying at right angles with the concavity of the other, and these concave faces are made of such different curvatures that they will be practically applicable to any portion of the body to which the heat is to be applied. The edges of these two faces are united by a rim 2 which is substantially cylindrical, extending vertically between the edges of the parts A and B, and following the various curvatures of the two sides.

We have found it preferable to make the device with rounded corners, reinforced as shown at 3, to give it sufficient strength, and in making the device a portion of the ring or side 2 may be stamped with each of the two faces A and B so that the deepest portion of each of these sides coincides with the highest edge of the concave face on that side, and the shallowest portion will coincide with the center of the hollow of that side, thus each of the sides has its deepest portion at right angles with the deepest portion of the opposite face, and the line of union may be substantially in a plane between the two.

The vent, or filling and emptying opening, 4, is made in the deepest portion of one of the sides, and, for convenience, a ring 5 is fitted near the edge of the opposite portion of said side so that the device can be readily hung up, and hang close against the wall.

In order to properly strengthen the side through which the opening 4 passes, we prefer to employ a reinforced plate 6 which fits around a portion of this side as shown.

7 is a divergent funnel fixed to the side of the device, inclosing the opening 4, and serving as a convenient means to fill the chamber without the use of a separate funnel.

8 is a screw plug of the usual or any desired form, which fits and closes the opening. It may be made of any suitable material, such as copper or aluminum.

A device constructed as here shown provides for substantially every curvature of the body to which heat may be applied, such as the back, breast, stomach, hips, etc. Being rigid it maintains its form and the rounded angles 3 prevent any discomfort to the patient. It is a sufficiently good radiator of heat, and may be covered with felt, or other suitable fabric to prevent the actual contact of the metal with the body.

The device may equally well be used in connection with a syringe by hanging it upon the wall, and connecting the usual rubber tube with the opening 4.

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

1. A hot water holder formed of substantially rigid material having its opposite portions normally fashioned with concave surfaces of different curvature, and a rigid uniting rim connecting with the edges of the concave portions by means of rounded

angles, a portion of the rim being formed with each of said concaved faces.

2. A hot water holder formed of substantially rigid material having its opposite portions normally fashioned with concaved surfaces of different curvature, and a rigid uniting rim connecting with the edges of the concaved portions by means of rounded angles, a portion of the rim being formed with each of said concaved faces, and a reinforcing element extending around the in-

terior of the angles formed between the concaved faces and rim.

In testimony whereof we have hereunto set our hands in the presence of two subscribing witnesses.

BERTHA A. DEANS.
MARTHA J. SONGER.

Witnesses:

W. P. NETHERTON,
EVA M. WHINERY.