

P. G. LEISTNER.
HOT WATER BOTTLE.
APPLICATION FILED JAN. 3, 1911.

1,011,452.

Patented Dec. 12, 1911.

Fig. 1.

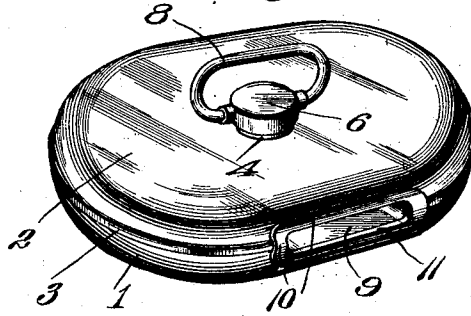


Fig. 2.

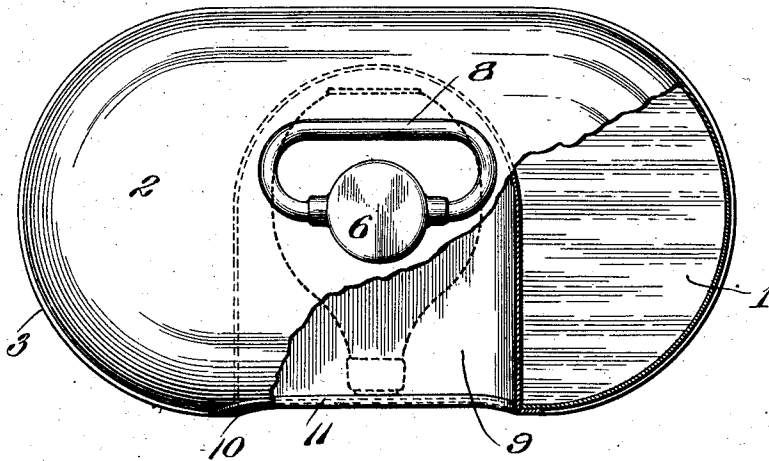


Fig. 3.

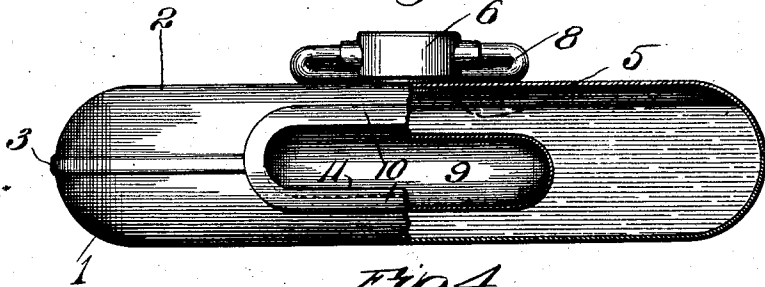
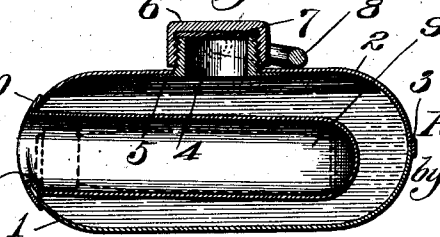


Fig. 4.



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UNITED STATES PATENT OFFICE.

PAUL G. LEISTNER, OF ST. CHARLES, MISSOURI.

HOT-WATER BOTTLE.

1,011,452.

Specification of Letters Patent.

Patented Dec. 12, 1911.

Application filed January 3, 1911. Serial No. 600,630.

To all whom it may concern:

Be it known that I, PAUL G. LEISTNER, a citizen of the United States, and resident of St. Charles, St. Charles county, Missouri, have invented certain new and useful Improvements in Hot-Water Bottles, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to improvements in hot water bottles and particularly relates to that class of bottles which are constructed of non-collapsible material, the object of my invention being to construct a hot water bottle arranged to be filled with hot water, and projecting into the body of the bottle there is a pocket which is free from the bottle proper, except at its point of attachment with the bottle proper, so as to be surrounded on all of its sides, save one, by the water in the bottle proper and into which pocket an article, such as a nursing bottle filled with milk, may be placed to be kept in a warm condition for a considerable time.

With the above purposes in view my invention consists in certain novel features of construction and arrangement of parts as will be hereinafter more fully described, pointed out in the claim and illustrated by the accompanying drawing, in which

Figure 1 is a perspective of the complete device; Fig. 2 is a plan of the device with a portion broken away to show the detailed construction of the connection between the pocket and the bottle proper; Fig. 3 is a side elevation of the bottle, a portion of which is in section to more clearly illustrate the relative positions of the pocket and the bottle proper; and Fig. 4 is a transverse sectional elevation taken at the approximate longitudinal center of the device.

Referring by numerals to the accompanying drawing: the bottle proper comprises two mating halves 1 and 2, which form a hollow shell preferably oval shape in plan, with the major portions of its upper and lower faces parallel and smooth. The halves are preferably made of sheet copper for various reasons and are united by a hermetically sealed seam or joint 3. In the approximate center of the upper half 2 of the bottle there is formed an opening

through which is secured an externally threaded plug seat 4 having at its lowermost end an annular, laterally projecting flange 5 which is positioned within the bottle before the halves are united and secured against the face of the bottle surrounding said opening, the plug seat 4 affording communication with the interior of the bottle for filling and emptying purposes. Applied to the plug seat for closing the opening is a plug 6 which is internally threaded and which is inverted cup-shape to embrace the plug seat 4. Secured in the top of the plug 6 is a soft metallic gasket 7, and carried by the plug is a handle 8 which affords means for manipulating the plug and also serves as a means for carrying the entire bottle.

Prior to the assembling or uniting of the halves of the bottle proper marginal depressions are formed in the side walls of the halves which form, when the halves are united, a substantially oval-shape opening. Through this opening there is inserted a pocket 9 which is constructed of water-tight material, preferably the same material as the bottle proper, and is preferably open at its outer end. Around the open end of the pocket there is an outwardly turned flange 10 which affords a means for forming a water-tight joint between the pocket and the bottle proper. Adjacent the open end of the pocket and on the lowermost side of the pocket there is an up-standing lip 11 which is arranged to prevent a nursing bottle or the like from moving out of the pocket under ordinary conditions, but which lip does not interfere with the insertion or removal of the nursing bottle from the pocket manually. As a further precaution against the moving of the nursing bottle outwardly from the pocket under ordinary conditions I have arranged the pocket at a slight incline.

As previously stated I prefer to construct the entire bottle and the pocket of copper, or at least a non-corrosive, non-collapsible material; however, I do not wish to be understood as limiting myself to the non-collapsible feature as it is obvious that a bottle constructed according to my invention may be made of a flexible, water-tight material having a pocket therein which extends into the body of the bottle so as to be surrounded by the hot water contained in the bottle, ex-

cept for its point of attachment with the bottle proper. Nor, do I wish to be understood as limiting myself to the nursing bottle pocket being normally open at its one end, as it is obvious that if the entire device
5 were constructed of a flexible water-tight material the lips of the opening could be readily arranged to normally close the opening providing access to the nursing bottle
10 pocket.

The bottle, when filled with hot water, possesses all of the advantages of the bottles now in common use for the application of heat to the body, and, in addition, possesses
15 the advantage of providing a pocket to contain a nursing bottle or the like to keep the milk contained in the nursing bottle in a warm condition for a considerable length of time.

I claim:

In combination with a hollow, metallic hot water bottle provided with a filling opening and means for closing said opening, there being an opening formed in the side wall of the bottle, a pocket open at one end
20 and secured within the bottle at its open end to the wall of the bottle around said opening, the body of the pocket being inclined, and formed with a lip in its bottom adjacent its open end for holding a vessel
25 in the pocket. 30

In testimony whereof, I have signed my name to this specification, in presence of two subscribing witnesses.

PAUL G. LEISTNER.

Witnesses:

E. L. WALLACE,
N. G. BUTLER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
