A. C. BERINGER.

HOT WATER BELT.

APPLICATION FILED FEB. 26, 1915.

1,159,160. Patented Nov. 2, 1915.

Fig. 1.

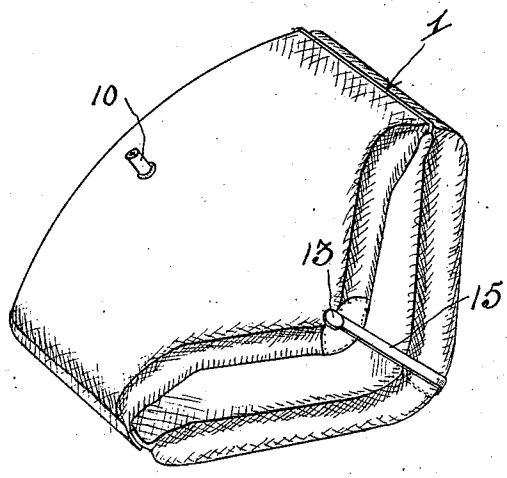


Fig. 2.

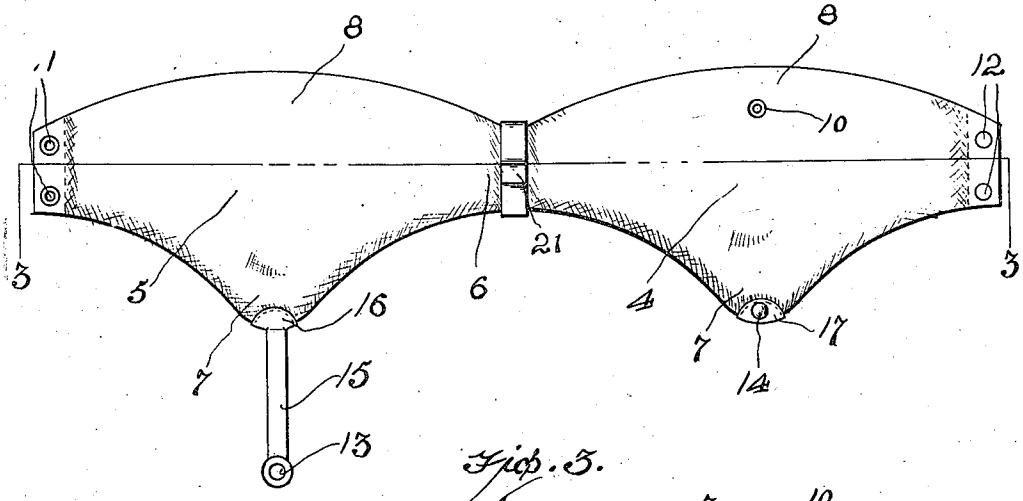
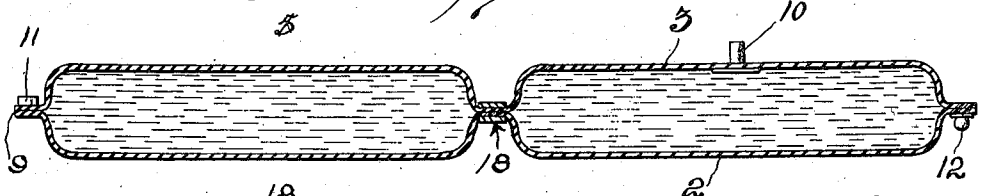


Fig. 3.



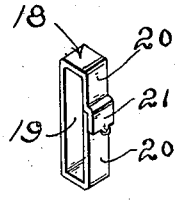


Fig. 4.

Witnesses
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UNITED STATES PATENT OFFICE.

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HOT-WATER BELT.

1,159,160. Specification of Letters Patent. Patented Nov. 2, 1915.

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To all whom it may concern:

Be it known that I, ANNA C. BERINGER, a citizen of the United States, residing at Bellwood, in the county of Butler and State of Nebraska, have invented certain new and useful Improvements in Hot-Water Belts; 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.

This invention relates to new and useful improvements in hot water belts, and has for its principal object to provide a belt which is adapted to keep the lower portion of the abdomen of the wearer warm.

Another object of the invention is to avoid the necessity of using two of the ordinary hot water bottles for the above purpose and provide a device which may be easily and quickly adjusted on the wearer.

A further object of the invention is to provide a novel means for holding the device in place so that the parts will be protected from cold.

A still further and more specific object of the invention is to provide a novel form of clamp for dividing the belt into two separate water-containing chambers which will effectively hold the water in either or both chambers and prevent communication therebetween except when so desired.

With these and other objects in view, the invention consists in the novel combination and arrangement of parts which will be fully set forth in the following specification and accompanying drawings, in which,

Figure 1 is a perspective view of a hot water belt constructed in accordance with this invention, Fig. 2 is a view in elevation of the device in its open position, Fig. 3 is a sectional view taken on line 3—3 of Fig. 2, and Fig. 4 is a detail perspective view of the clamp used in connection therewith.

Referring now to the drawings by characters of reference, the numeral 1 designates as an entirety a belt constructed in accordance with this invention, which is preferably formed of two sheets of rubber 2 and 3 which comprise the bodies 4 and 5 which are connected by the reduced portion 6. These bodies 4 and 5 are provided with the downward projections 7 and the upper edges of the bodies are curved upwardly as at 8 to overlie the upper portion of the abdomen and the small of the back. The edges of the strips 2 and 3 are cemented or otherwise secured together at 9. A suitable filling valve or nozzle 10 is provided in one of the bodies and is designed to enable the user to fill the device when desired. It is also evident that the nozzle 10 may be used to empty the contents from the belt.

Secured in one end of the strips 2 and 3 are suitable clasps or fasteners 11 which cooperate with the fasteners 12 and the opposite end in holding the belt on the person of the wearer. These clasps may be of any suitable type, but as illustrated, are shown to be the ordinary type of glove fastener. A similar fastener 13 is arranged to cooperate with the member 14 in holding the strap 15 in place in the crotch of the wearer, and the strap 15 is secured to the lower extremity of the downward extension 7 of the body 5 as at 16, while the member 14 is secured to the lower extremity of the downward extension 7 on the body 4 as at 17. In order that the device may be separated into two separate chambers, there is provided the clamp designated generally by the numeral 18 which comprises the body 19 having the bent-back ends 20 formed thereon. These ends are provided with any suitable fastener and arranged to overlie each other as at 21 so that the clamp may be placed in position around the portion 6 and hold the inner faces of the strips 2 and 3 against each other, thereby forming two separate chambers for containing the water or other heated liquid.

It will be apparent from the foregoing that in use the device is filled through the filling valve or nozzle 10 and the nozzle is then closed. The clamp 18 is then placed in position as shown in Figs. 2 and 3 and it will be evident that the device will be separated into two separate chambers containing the liquid. The belt is then adjusted about the waist of the wearer and the strap 15 brought up between the crotch and secured at 14, and it will be evident that the lower portion of the abdomen will be completely incased. It is evident that in use the device may be placed on a person in a lying position without danger of the liquid passing up into the upper portion as the clamp 18 separates the device into two separate chambers and holds the liquid evenly distributed at all times.

While in the foregoing there has been shown and described the preferred embodiment of this invention, it is to be understood

that such changes may be made in the combination and arrangement of parts as will fall within the spirit and scope of the invention as claimed.

What is claimed is:

1. A belt of the character described comprising a pair of strips of flexible material, means securing the strips at their end portions and along their longitudinal edges, a filling tube in one of the strips, fasteners at the ends of the strips arranged to coöperate in holding the device on the person of the wearer, a crotch strap to pass between the legs of the wearer and hold the belt on the lower portion of the abdomen, and a clamp intermediate the ends of the belt to separate the same into two separate chambers and prevent the liquid within one chamber from passing into the adjacent chamber.

2. A belt of the character described including a pair of strips of flexible material, means securing the strips together along their edges, the strips being reduced in width intermediate their ends, means at the ends of the strips to hold the same together and hold the whole to the person of the wearer, one of the strips being formed with a filling opening, a filling tube surrounding the opening and a clamp arranged to surround the reduced portion of the strips to separate the whole in two separate chambers.

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

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Witnesses:

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