

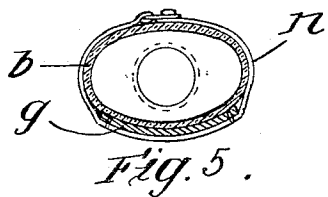
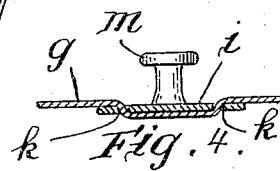
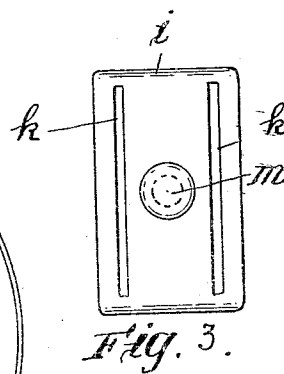
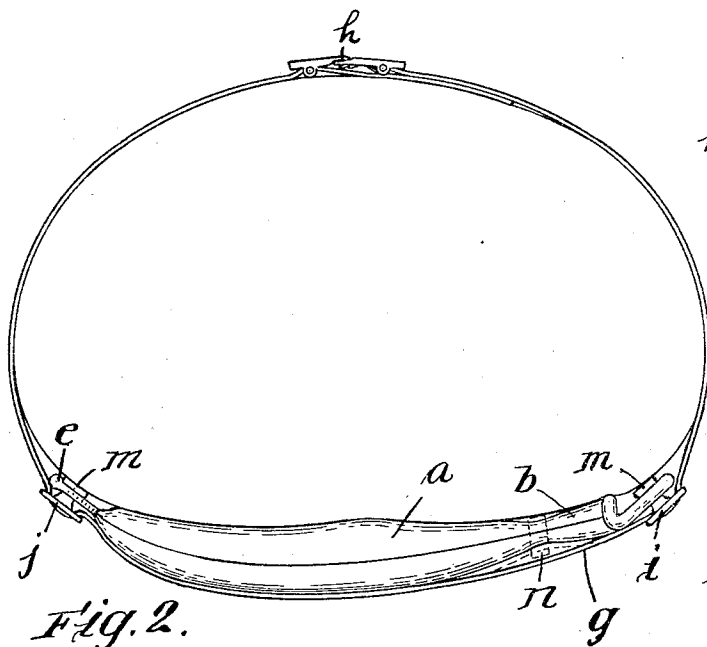
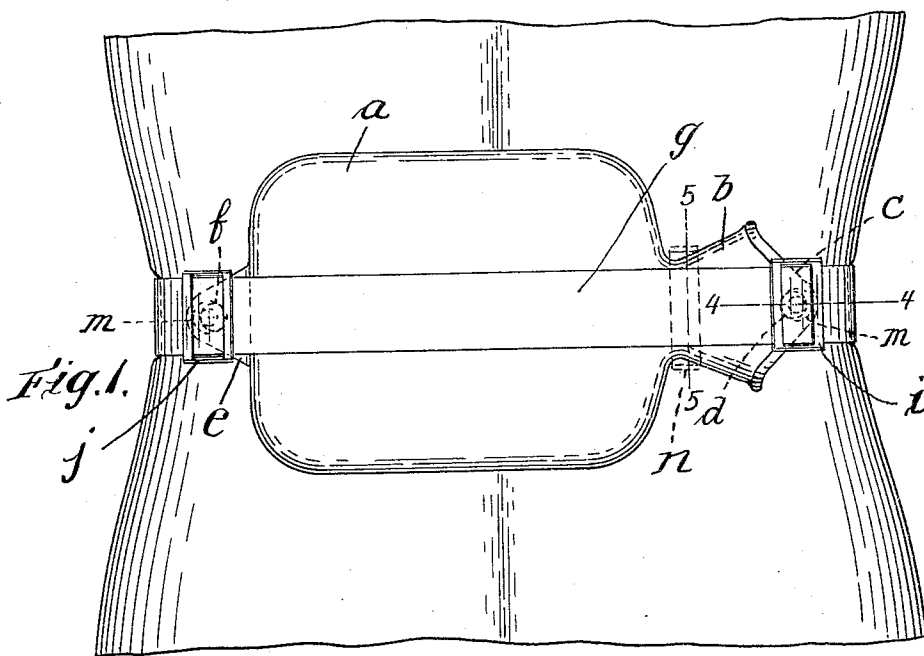
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J. B. CRAPO

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HOT WATER BOTTLE ATTACHMENT

Filed Oct. 14, 1931



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UNITED STATES PATENT OFFICE

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HOT WATER BOTTLE ATTACHMENT

Application filed October 14, 1931. Serial No. 568,739.

This invention relates to attachments for heating receptacles, such as are commonly known as hot water bottles, and has for its objects to provide a simple and convenient means whereby rubber hot water bottles, icebags, and like devices may be readily secured in various positions on the human body, so that they will not become displaced.

I accomplish these objects by providing a strip or belt with attaching means for connecting the same to the usual tabs, or like portions at the opposite ends of the bottle, or bag, by means of which it is usually handled or supported, said attaching means being adjustably mounted on the belt, so that they may be readily adapted to various devices of this character, of different sizes.

For a more complete disclosure of the invention reference is made to the following specification in connection with the accompanying drawing, in which:

Fig. 1 is an elevation illustrating an embodiment of my invention and the manner in which it is applied.

Fig. 2 is a plan view there.

Fig. 3 is a detail view of one of the clips.

Fig. 4 is a sectional view at line 4—4 of Fig. 1.

Fig. 5 is a sectional view at line 5—5 showing a modified form of attachment.

In the drawing *a* indicates a common form of hot water bottle, which is usually made of sheet rubber and is provided with the usual neck *b*, having a flaring mouth, from which a tab *c* extends, said tab usually being provided with an aperture *d*, and a similar tab *e*, having an aperture *f*, being provided at the opposite end of the bottle.

According to my invention I provide a belt *g*, which may be of canvas, or other suitable material, and will be provided with any convenient means for adjustably attaching its ends, as the clasp members *h*.

I further provide a pair of clips *i* and *j*, each of which comprises a flat rectangular

piece of sheet metal having a pair of parallel slots *k* therein thru each of which the belt is passed, so that each clip is slidably mounted thereon and is frictionally engaged with the belt, thereby preventing it from being too readily moved from the position to which it may be adjusted. Each clip is also provided with a headed stud *m*, midway between the slots *k*, the diameter of the head of the stud being slightly less than that of the tab apertures *d*, *f*, to permit insertion therein.

In applying the belt to the bottle *a*, the clips *i*, *j* are adjusted to any desired relative position on the belt, in which the distance between the studs on the clips will approximately equal the distance between the tab aperture *d* and *f*, and then said studs will be inserted in said apertures, so that the belt will be connected to the bottle *a* at each end of the latter and will extend at one side thereof between said ends, as shown in Fig. 2.

The bottle is then placed against the portion of the body to which it is to be applied, and then the belt is fastened about the body, so that it is held against the outer side of the bottle and holds the latter closely to the body, as shown in Fig. 1, preventing displacement thereof.

As in some instances the bottle in connection with which the belt is used will not have an apertured ear at its neck end. I provide a strap *n* which may be extended about the belt and the bottle neck, so as to hold the neck securely in position on the belt, as shown in Fig. 5, and indicated in dotted lines in Fig. 1. This strap may conveniently be of elastic material and may have a clasp for connecting its ends, as shown, or its ends may be permanently connected, and it may also be secured to the belt in a convenient position, or may be made adjustable thereon. It will ordinarily be employed only when the bottle neck is not provided with an apertured tab, but when employed provides an additional securing means and prevents accidental disconnection.

I claim:

A device of the kind described comprising
a flexible elongated heat-transfer receptacle
with extensions at the ends thereof, a flexi-
5 ble belt extending lengthwise over the body
of said receptacle, and securing devices en-
gaging the receptacle extensions detachably
and the belt adjustably, for holding the re-
ceptacle in adjusted extension with respect
10 to the belt, whereby the belt is adapted to
press a greater or less extent of the receptacle
at will uniformly and evenly upon the body
surface to be treated.

In testimony whereof, I have signed my
15 name to this specification.

JOHN B. CRAPO.

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