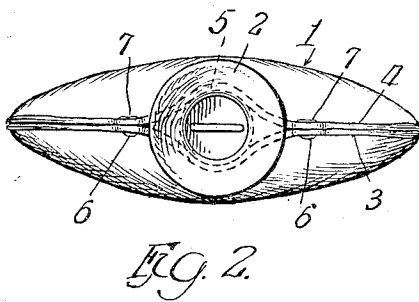
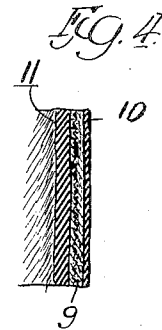
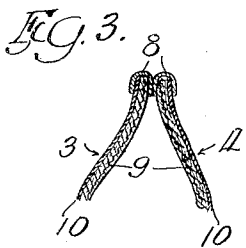
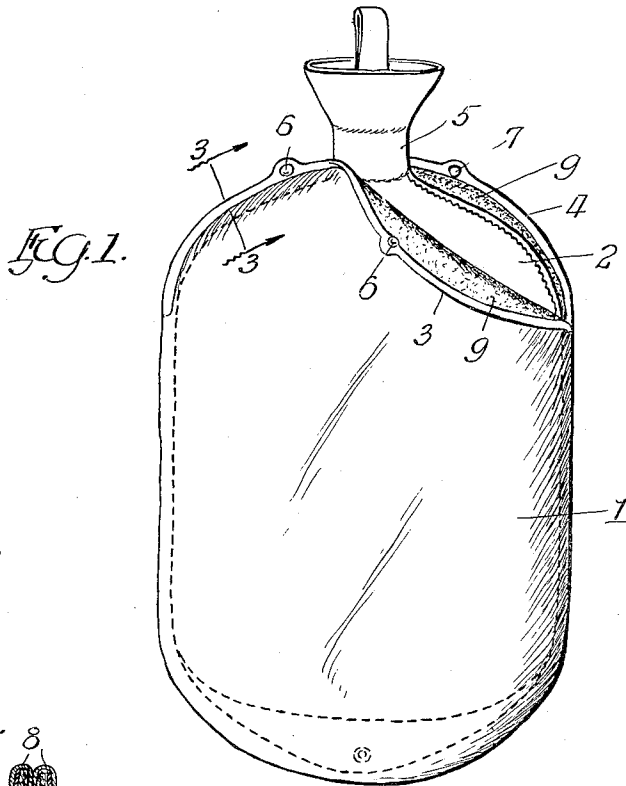


D. S. APPLGATE.  
COVER FOR HOT WATER BOTTLES.  
APPLICATION FILED DEC. 26, 1919.

1,358,133.

Patented Nov. 9, 1920.



Inventor  
David S. Applegate  
by Eugene Edwin Mly

# UNITED STATES PATENT OFFICE.

DAVID S. APPLGATE, OF CHICAGO, ILLINOIS.

COVER FOR HOT-WATER BOTTLES.

1,358,133.

Specification of Letters Patent.

Patented Nov. 9, 1920.

Application filed December 26, 1919. Serial No. 347,337.

*To all whom it may concern:*

Be it known that I, DAVID S. APPLGATE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Covers for Hot-Water Bottles, of which the following is a specification.

This invention relates to covers for hot water bottles.

The object of my invention is to make the cover of two layers of material, the inner layer being of a textile fabric, such as woolen flannel, to modify the heat given off by the hot water bottle, and the outer layer being of relatively thin rubber sheeting to protect the fabric layer from being soiled and maintain the cover clean and sanitary.

In the accompanying drawings illustrating a cover constructed in accordance with my invention—

Figure 1 is a view showing the cover applied to a hot water bottle of the rubber type;

Fig. 2 is a top plan view of the same;

Fig. 3 is an enlarged vertical sectional view taken on line 3—3 of Fig. 1; and

Fig. 4 is a fragmentary sectional view taken through the cover and the adjacent wall of the bottle, to show the inner and outer layers of the cover in section.

The cover 1 of my invention is preferably made in the form of a bag of a size to contain a hot water bottle 2, which as shown in the drawings is of the so-called rubber type. The cover is closed along its side and bottom edges, but is left open at the top to provide a mouth wide enough to permit a water bottle of any commercial size to be readily inserted into and withdrawn from the cover. The mouth of the cover is made by providing its upper end with two flaps 3, 4, which are releasably secured together about the neck 5 of the water bottle by snap fasteners, as shown. By providing the flaps 3, 4, the mouth of the bag or cover 1 may be opened wide enough to allow any hot water bottle as now found on the market to be readily and easily inserted into the bag and the mouth closed by merely fastening the flaps together about the neck of the bottle. The fastening means are located on opposite sides of the neck of the bottle, with one part 6 of each fastener

on one flap and the coating part 7 on the other flap. The free edges of the flaps, if necessary, may be covered by a binding tape 8, as shown in Fig. 3.

The cover 1 is made of two layers of material, the inner layer 9 being of textile fabric, such as woolen flannel, and the outer layer 10 of relatively thin rubber sheeting. The inner layer 9 is in direct contact with the wall 11 of the hot water bottle, as shown in Fig. 4, and, being made of textile fabric, the excessive heat given off by the bottle is retarded by the fabric layer and modified to the extent required for placing the bag against the body of the patient without burning. Thus, boiling water may be placed in the bottle, and the same when in the cover or bag 1 may be placed against the body of the user without injury, and, furthermore, the heat retained much longer. The outer layer 10 being of rubber protects the fabric layer 9 from becoming soiled and thus keeps the cover clean and sanitary. Thus, the cover may be used repeatedly without danger of the fabric layer becoming soiled, because it is protected from contact with outside objects by the exterior layer of rubber. This layer also presents a smooth surface for contact with the skin of the patient or user and gives a sensation of cleanliness. It does not overheat and thus maintains the exterior surface of the cover at a relatively comfortable temperature, no matter how hot the fabric layer may be. Manifestly, the cover or bag 1, when so constructed, may be used without danger of transmitting disease from one patient to another, and thus may be used to advantage in hospitals, in particular, as it is not necessary to have an individual cover or bag for each and every patient. Also for domestic purposes the cover has an advantage, as it is maintained clean and sanitary by the outer rubber layer, and does not become soiled in use or when laid away unprotected. The inner and outer layers 9 and 10 are secured together about their edges only, so that the fabric at all other points is free or loose from the rubber layer, and causes the heat to pass through the fabric layer before reaching the outer rubber layer. Thus there is no opportunity for the heat to reach the outer rubber layer in any manner except through the fabric,

with the result that the outer surface of the cover is reduced in temperature for the purpose stated.

I claim for my invention:

- 5 A cover for hot water bottles, made of two layers of material, secured together about their edges only, and permitting the heat of the hot water in the bottle to pass therethrough, the outer layer being of rubber sheeting and the inner layer of a textile

woolen fabric adapted to be placed directly against the hot water bottle and having the property to retard the passage of the heat through said layer so as to modify the temperature of the outer surface of the cover. 15

In testimony that I claim the foregoing as my invention, I affix my signature this 22nd day of December, A. D. 1919.

DAVID S. APPLGATE.