

(No Model.)

T. AHEARN.
ELECTRIC WARMING BOTTLE.

No. 490,891.

Patented Jan. 31, 1893.

Fig. 1.

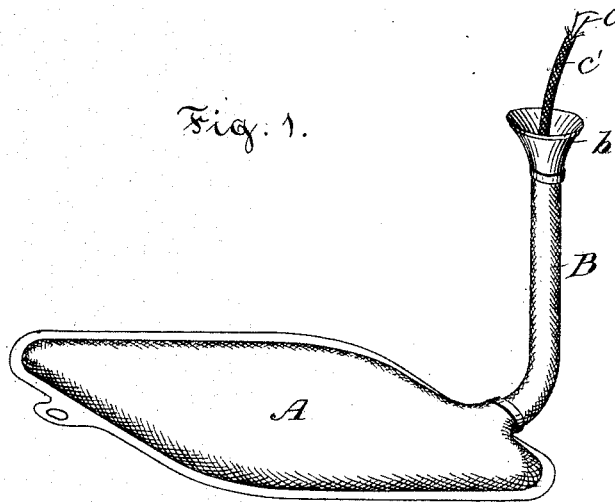
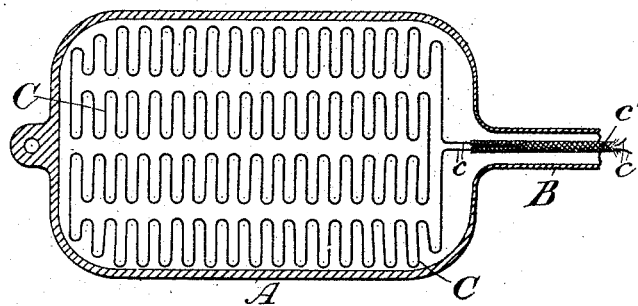


Fig. 2.



Witnesses:

Thos. Paley.
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UNITED STATES PATENT OFFICE.

THOMAS AHEARN, OF OTTAWA, CANADA.

ELECTRIC WARMING-BOTTLE.

SPECIFICATION forming part of Letters Patent No. 490,891, dated January 31, 1893.

Application filed September 8, 1892. Serial No. 445,385. (No model.)

To all whom it may concern:

Be it known that I, THOMAS AHEARN, of the city of Ottawa, in the county of Carleton and Province of Ontario, in the Dominion of Canada, have invented certain new and useful Improvements in Electric Warming-Bottles; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part hereof.

My invention, which will be hereinafter fully set forth and claimed, relates to appliances used for the application of artificial heat to parts of the body.

The object of my invention is a water bottle in which the water is being heated continuously by means of an electric current.

Figure 1 is a perspective view of my improved warming bottle and Fig. 2 is a top view of the same with the upper part removed, showing the resistance coil.

A is a bottle or bag of flexible water-proof material, such as india-rubber, or rubber fabric. It is provided with a long neck B having flaring mouth *b*, by means of which it may be readily filled with water. In this is inserted a resistance coil C of iron or German

silver wire, disposed reflexively (or in any suitable manner) within said bottle or bag and having its terminals connected to leads *c* which are continued as a flexible cord *c'* to a rheostat (or other current regulator) connected with a suitable electric circuit of low voltage, such as an incandescent light circuit. The bottle is filled with water, so that the resistance coil C is immersed in water. When in use the mouth *b* must be kept elevated above the body to retain the water and prevent it from flowing out. The open mouth allows steam to escape and prevents the undue rise of temperature above the boiling point.

I claim as my invention:—

In an electric warming bottle, the combination of a bottle or bag of flexible water-proof material, A, a long neck B with mouth *b* therein, a resistance coil C within said bottle and the leads *c* extending through said neck, substantially as set forth.

In testimony whereof I have signed in the presence of the undersigned witnesses.

T. AHEARN.

Witnesses:

A. HARVEY,

A. TROWSE.