

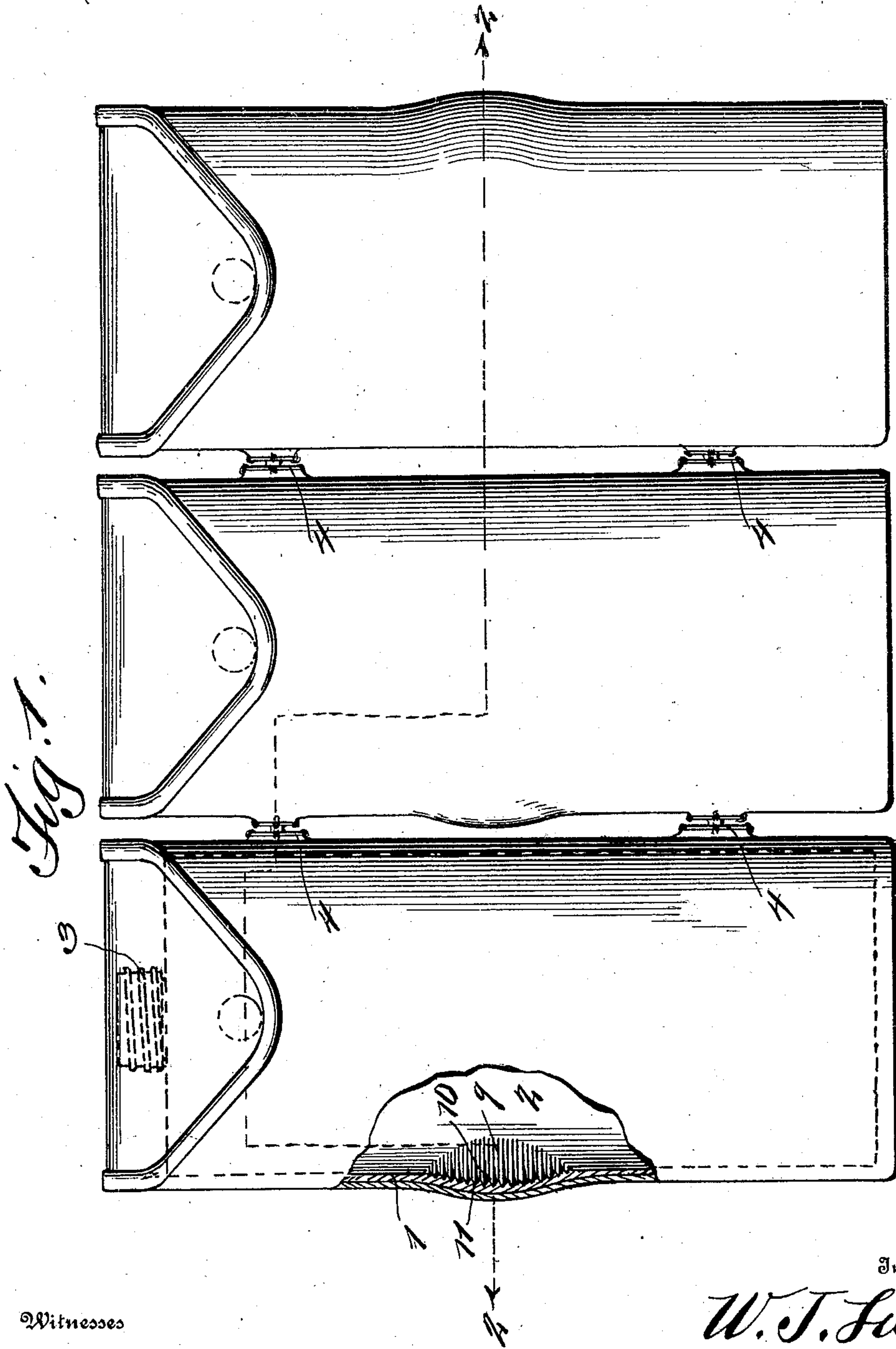
W. J. LITTS.
HOT WATER APPARATUS.

APPLICATION FILED JUNE 12, 1907. RENEWED AUG. 20, 1908.

915,452.

Patented Mar. 16, 1909.

2 SHEETS—SHEET 1.



Witnesses

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H. G. Whitcomb

Inventor

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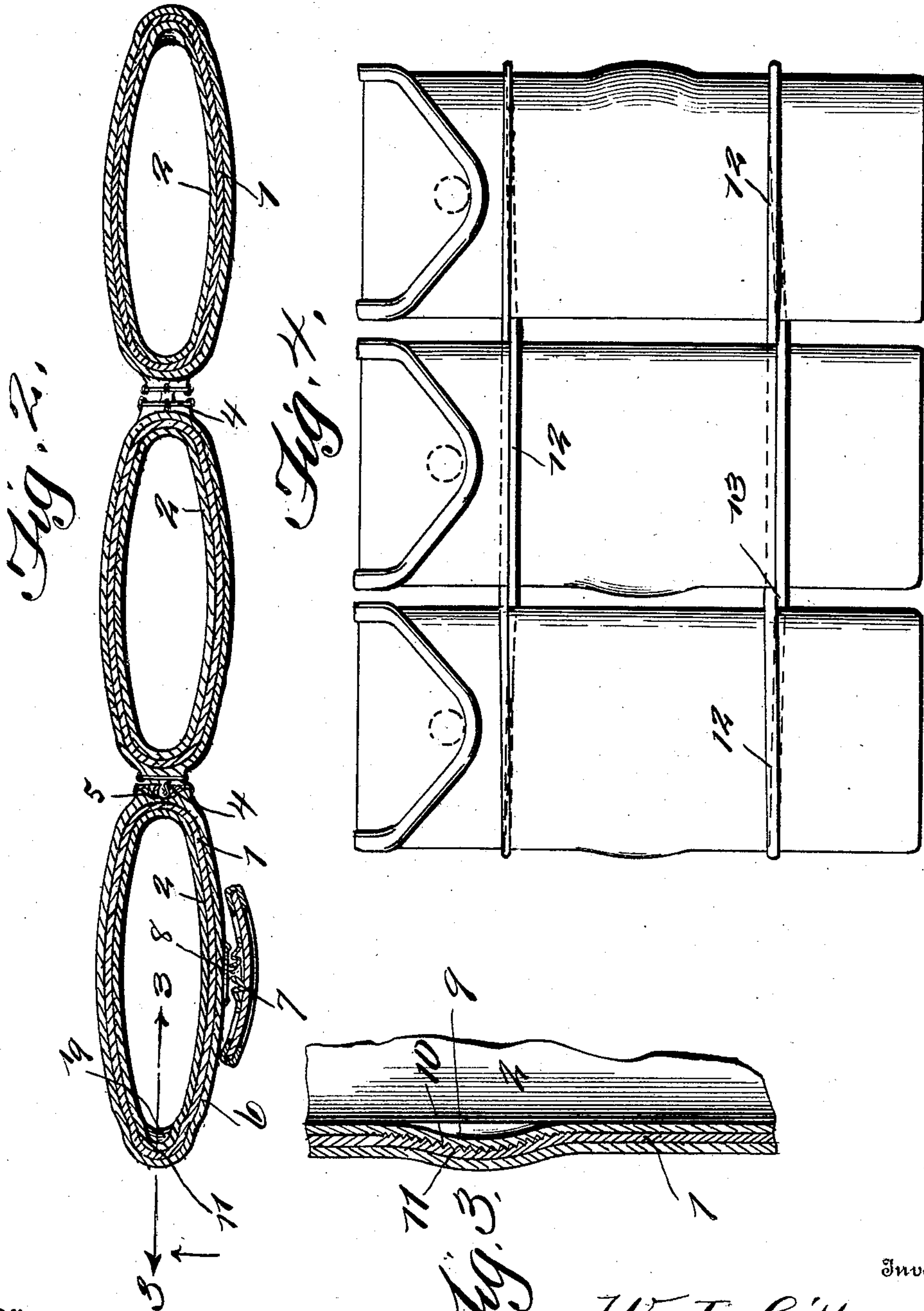
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Fig. 3.
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UNITED STATES PATENT OFFICE.

WILLIS J. LITTS, OF JANESVILLE, WISCONSIN.

HOT-WATER APPARATUS.

No. 915,452.

Specification of Letters Patent.

Patented March 16, 1909.

Application filed June 12, 1907, Serial No. 378,628. Renewed August 20, 1908. Serial No. 449,536.

To all whom it may concern:

Be it known that I, WILLIS J. LITTS, a citizen of the United States, residing at Janesville, in the county of Rock and State of Wisconsin, have invented a new and useful Hot-Water Apparatus; 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.

The invention relates to hot water bottles, and has for its object to provide a simple, inexpensive and efficient device of this character adapted to be used in treating the sick. It is well known that the rubber bags for containing hot water, are not entirely satisfactory in many respects.

One object of the present invention, is to provide a series of bottles, cans or jars arranged in flexible bags or casings and connected together by suitable fastening devices or used separately as the case may require.

A further object of the invention is to provide a hot water device which can retain its heat through a prolonged period by reason of its covering.

With these and other objects in view, the invention consists in the novel arrangement of parts as hereinafter described and particularly pointed out in the appended claims.

In the drawing, forming part of this specification, and in which like numerals of reference indicate similar parts throughout the several views, Figure 1 is a plan view, of a series of hot water receptacles, shown connected together. Fig. 2 is a sectional view on line 2—2 of Fig. 1. Fig. 3 is a sectional view on line 3—3 of Fig. 2. Fig. 4, is a side elevation illustrating a modification.

Referring to the drawings, 1 designates a knit casing for hot water bags, which casing is constructed of cotton, woolen fabric or any other suitable material, as may be desired. The bottle, jar or can 2, which is arranged in said casing, may be made of tin or other suitable material and has a screw-threaded cap 3 or other suitable fastening device for the mouth. Each casing is provided with projections 4 on one side, which are adapted to engage sockets 5 of the adjacent casing. Instead of these hooks and eyes other fastening means may be employed if desired.

The cans or jars containing the hot water, are preferably made of flexible tin, which in view of the purpose for which it is intended, will render the device more agreeable to the patient on which they are used. It is understood of course that these devices, may be made of various sizes and shapes. Upon one side of the cans or jars, the same is provided with a threaded portion 9, which is slightly convex as at 10, so as to engage the depression 11, as clearly shown in Figs. 1, 2, and 3.

In Fig. 4, casings are connected in multiple by means of a flexible member 12, which is interlaced with relation to the casings as at 13, as clearly shown.

What is claimed is:

1. In a device as set forth, the combination of three casings, connected in series, clasps for holding the casings, connected in series, receptacles held in the casings, said casings having closures, said receptacles having threads to engage the inner faces of the casings to prevent upward displacement thereof when the closures are open, as and for the purpose specified.

2. In a device of the class described, the combination of three casings having receptacles; two end casings and one intermediate casing; one end casing being provided with sockets, and the other end casing being provided with projections, the intermediate casing having both projections and sockets, said sockets being adapted to receive the projections for holding the casings in series; said casings also having closures provided with projections and sockets for holding the closures to the casings, said receptacles being provided with convex portions having threads disposed laterally of said receptacles, and adapted to engage the inner faces of said casings, to prevent upward displacement thereof when the closures are open, substantially as described.

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

WILLIS J. LITTS.

Witnesses:

JOHN CUNNINGHAM,
FLORENCE L. McELROY.