No. 825,763. PATENTED JULY 10, 1906.

C. SCHAEFER.

FOOT WARMER.

APPLICATION FILED OCT. 11, 1904.

2 SHEETS—SHEET 1.

Fig. 1.

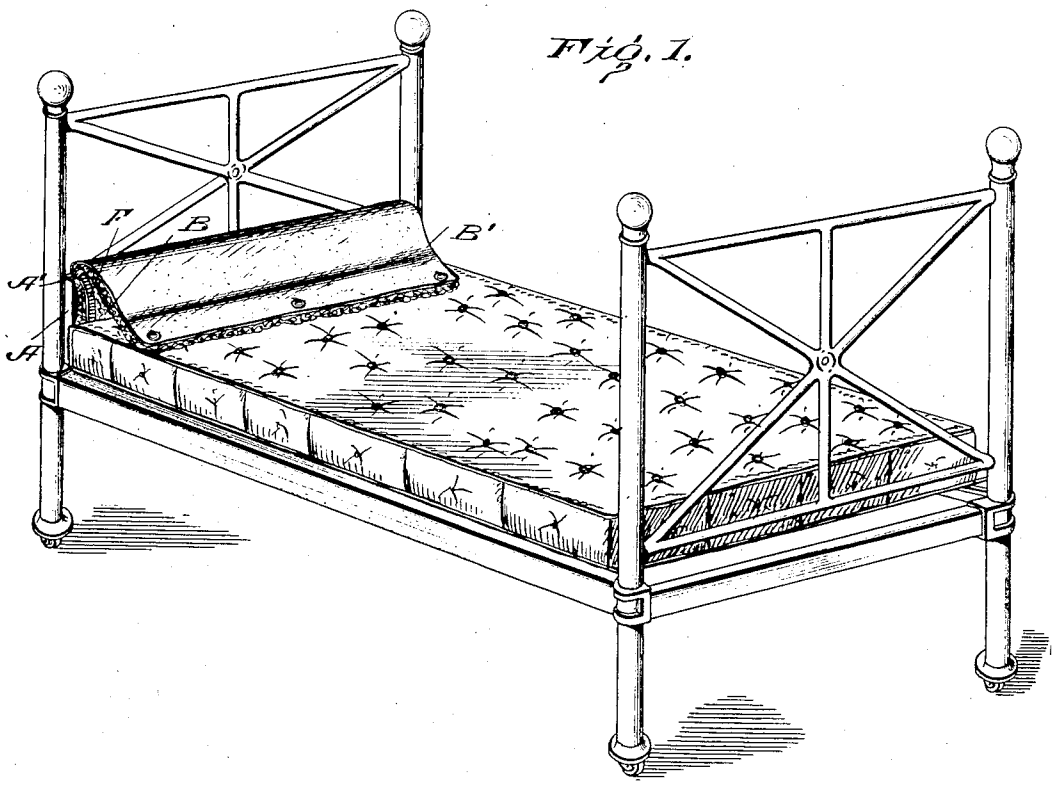
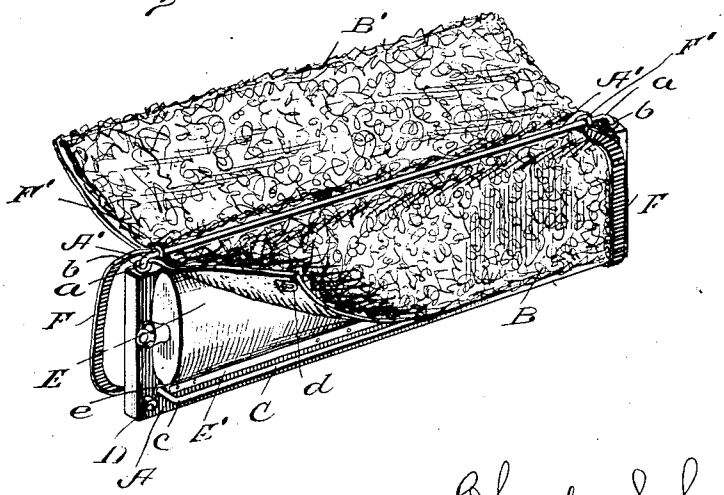


Fig. 2.



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2 SHEETS—SHEET 2.

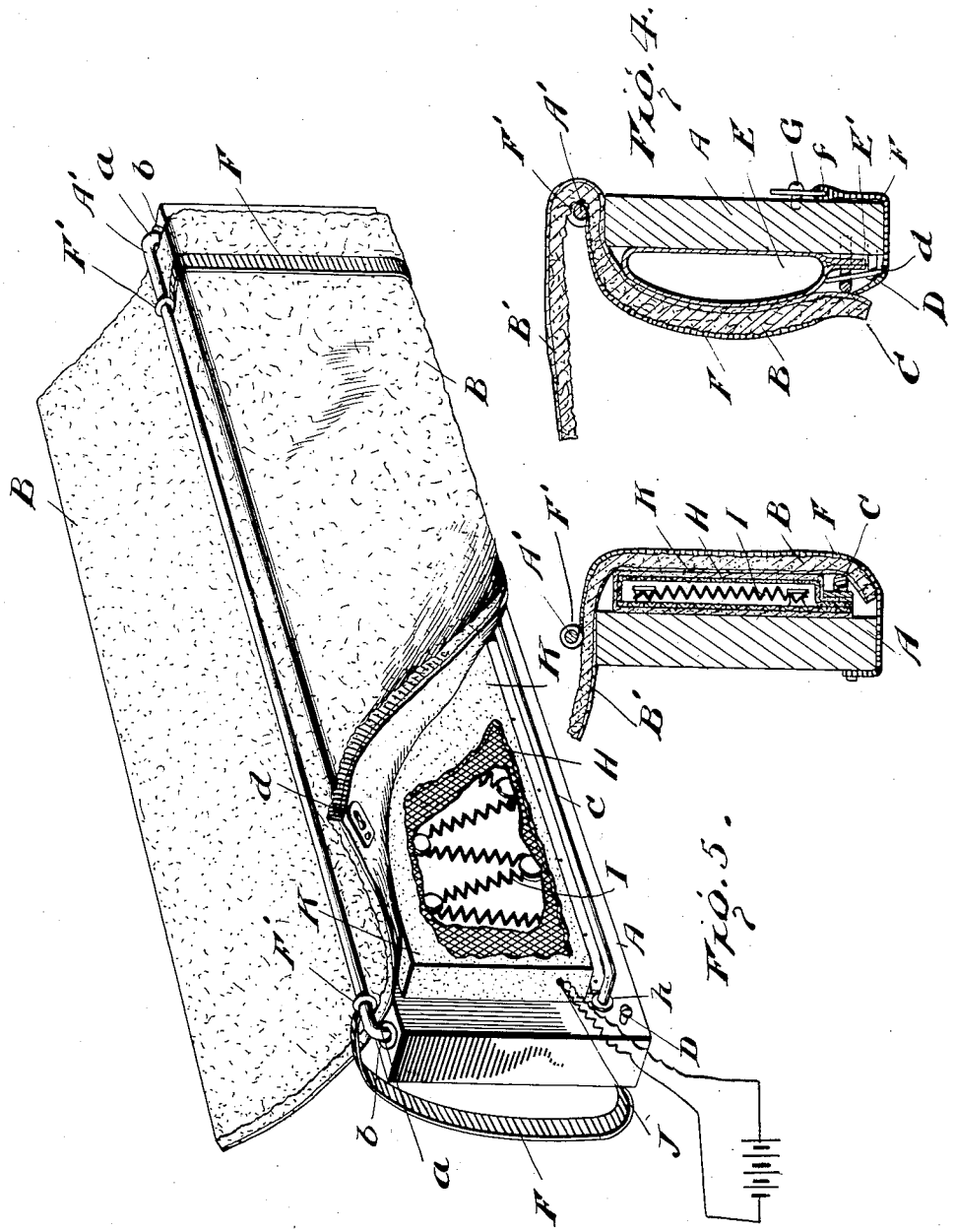


Fig. 3.

Fig. 4.

Fig. 5.

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FOOT-WARMER.

No. 825,763. Specification of Letters Patent. Patented July 10, 1906.

Application filed October 11, 1904. Serial No. 228,023.

To all whom it may concern:

Be it known that I, CHARLES SCHAEFER, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Foot-Warmers, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to improvements in foot-warmers, and pertains more particularly to that class used in connection with beds and the like.

My invention consists in a holder provided with a covering of sheepskin or other woolen material and in which a water-bag or electric heater is placed and covered by said woolen material, so that the feet will not come in contact with the heating apparatus, and thus preventing the burning of the feet or that portion of the body which may come in contact therewith.

The object of my invention is to provide a device of this character in which the device may be held in either a horizontal or vertical position under or on the outside of the bed-covers; but it is preferably held in a vertical position, and one flap of the sheepskin is adapted to extend over the feet.

In the accompanying drawings, Figure 1 shows a perspective view of my improved device attached to a bed, showing the rear flap turned over and adapted to extend over the feet. Fig. 2 is an enlarged perspective view of my device, showing one end of the cover of sheepskin turned back, exposing the water-bag. Fig. 3 is a perspective view similar to Fig. 2, only showing an electric heater therein instead of a water-bag, the other parts being in their relative positions. Fig. 4 is a transverse vertical sectional view of Fig. 2. Fig. 5 is a transverse vertical sectional view of Fig. 3.

Referring now to the drawings, A represents a board which, as shown, is of an elongated form and may be of any desired length and is most preferably made of a length to extend across the entire width of the bed, but may be made in the proportions shown in Fig. 1. The upper edge of said board is provided with a bar A′, which has its ends turned downward and either driven or secured within the edge of the board in any desired manner. The said bar, as shown, is spaced far enough from the edge of the board to allow of the free passage of the sheepskin or other woolen covering B, and thus the same is prevented from sliding off of the board when the holding means is released for the insertion of the water-bag or electric heater. The inwardly-turned ends *a* of the bar A′ pass through eyes *b*, carried by the covering B, and thus absolutely prevent the covering from being pulled from under said bar.

The lower edge of the board A is provided with a bar C, which has its ends turned inwardly at *c* and passing through the board, the purpose of which will be hereinafter more fully described. The lower end of the board A adjacent the said inwardly-turned ends of the bar C is provided with screws D. The lower end of the flap B is provided with plates *d*, having keyhole-slots which are adapted to pass over said screws and hold the flap B firmly on the board with the water-bag between the same. There may be any desired number of screws; but the flap B is provided with a corresponding number of oppositely-arranged plates *d*.

As shown, the sheepskin covering B is placed upon the board with the wool-carrying portion on the outside for the purpose of making a much softer and warmer surface, against which the feet are adapted to bear. Between the covering B and the board A is placed a hot-water bag E, and the covering is then firmly secured to the lower edge of the board, as heretofore described, and thus the water-bag is completely covered by said sheepskin. It is understood that the water-bag E could also be filled with cold water when it is desired to use cold applications to the feet. The water-bag is preferably provided with an elongated metal bar E′ at its lower end, which is provided with eyes *e* at each end, through which the inwardly-turned ends *c* of the bar C are adapted to pass, thus holding the water-bag in its normal extended position. The said ends *c* of the bar C pass into openings in the board and are frictionally held therein, and thus it is readily seen that the bar is removed when it is desired to remove the water-bag or heater, and thus the rings *e* or *h* may be readily slipped from the bar for either removing the electric heater or the water-bag. In order to more firmly hold the covering B so as to completely cover the water-bag, I provide an elastic band F at each end, which are preferably secured to the board on the opposite side from that carrying the water-bag, and thus the ends of the

sheepskin are brought to bear firmly against the board and protect the water-bag. One end of said elastic bands F carries a plate *f*, which is provided with a keyhole-slot, which is adapted to pass over the screw G, carried by the board. The opposite ends of the elastic bands F are provided with rings F′, through which the bar A′ passes and by means of which the same are secured to the board. It will readily be seen that when it is desired to raise the flap B of the covering the member *f* is removed from over the screw G, and thus freeing the end of the elastic bands. The opposite end B′ of the covering of sheepskin has no connection whatever with the board, and, as shown, the device is preferably applied as shown in Fig. 1—that is, with the board inserted between the foot of the bed and the mattress, with the water-bag on the inside and held in said vertical position.

The flap B′ of the sheepskin covering, as shown in Fig. 1, is turned back over the board and is adapted to rest upon the bed, the wool-carrying side being downward, thus forming a covering for the feet, whether the same is used on the inside or outside of the bed-covering.

In Fig. 3 I have shown an electric heater in the place of the water-bag, the construction of the board and covering being precisely the same and the manner of securing the covering thereon being the same. In this case instead of the water-bag I provide a wire-gauze H, which is provided with rings *h*, through which the inwardly-turned ends *c* of the bar C passes, and thus firmly holding said gauze thereon. Within this gauze are the electric coils I, which are connected to the feed-wire J, which extend out through the end of the wire-gauze casing. When the electric heater is used, it is preferable to use a covering K of asbestos surrounding the gauze casing to prevent the covering B or board A from catching fire.

In Fig. 5 I have shown my device with the board A removed, and in such a case the end of the sheepskin covering B is provided with rings L at its outer edge, and the water-bag E is simply placed between the same, and the edges drawn together by a lacing M, which passes through the rings L′, carried by the side B′, and by means of which the casing is tightly drawn around the water-bag. When this form is used, it is placed within the bed beneath the bed-covering.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A foot-warmer, comprising an elongated board, a bar carried by the lower edge of said board, a covering passing under said bar and secured thereto, means carried by the lower edge of the board for securing the cover there to, and heating means between the covering and one side of said board.

2. A foot-warmer, comprising an elongated board, a bar carried by the upper edge of said board, a covering passing under said bar and secured thereto, means carried by the ends of said covering for detachably securing it to the lower edge of said board, heating means between the covering and one side of said board, and elastic bands secured to the bar carried by the upper edge of the board and passing over the covering adjacent the heating means, and detachably secured to the lower edge of the board.

3. A foot-warmer, comprising a board, a covering for one side thereof, a heater between said covering and said board, and a loose covering on the opposite side of said board and adapted to swing loosely over the side having the heater.

4. A foot-warmer, comprising a board, a bar carried by the lower edge of said board, heating means carried by the bar, and a covering detachably secured to the board and covering the heating means.

5. A foot-warmer, comprising a board, a bar carried by the lower edge of said board, heating means carried by the bar and resting against the side of the board, a covering secured to the upper edge of the board, and means for detachably securing the lower end of the cover to the lower edge of the board.

6. A foot-warmer, comprising a board, a bar carried by the lower edge thereof, heating means secured to the said bar and resting against the side of the board, a bar carried by the upper edge of the board, a covering passing under said bar and having rings passing around the bar, means for detachably securing the lower end of the covering to the lower edge of the board and holding the heating means thereon in its normal position.

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

CHARLES SCHAEFER.

Witnesses:
GEORGE VOLTE,
RALPH JACKSON.