June 2, 1953 A. H. SIMPSON 2,640,205

FOOT SUPPORT AND WARMER FOR BEDS

Filed May 19, 1950

Fig. 1

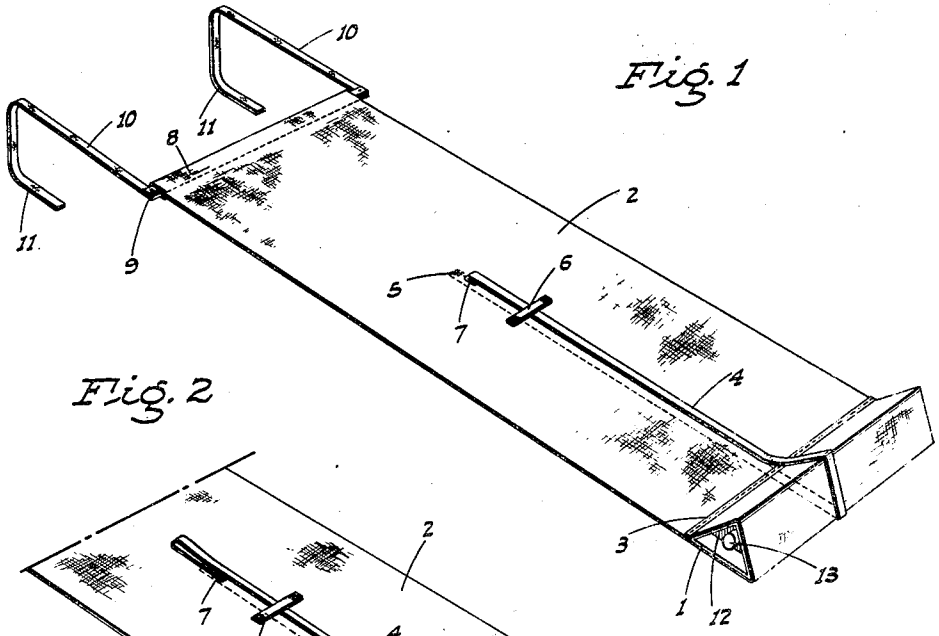


Fig. 2

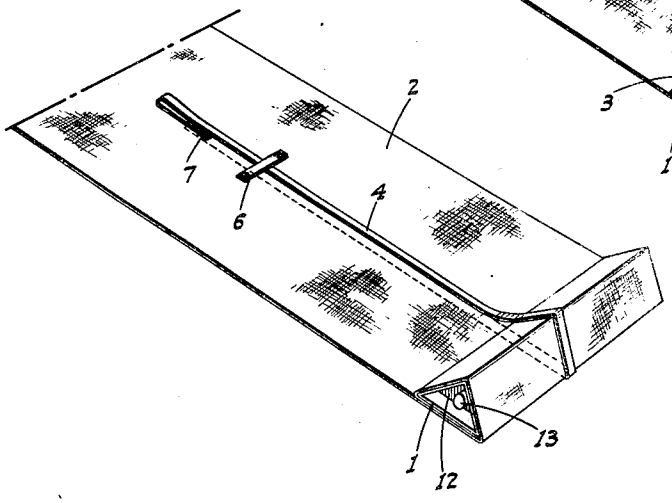


Fig. 3

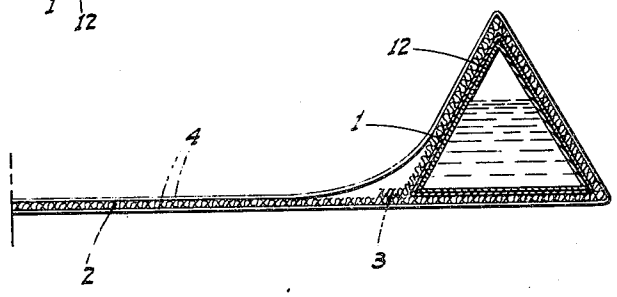
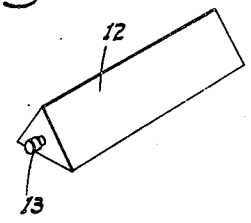


Fig. 4



INVENTOR

Alice H. Simpson

BY Lorbacher & Lorbacher

ATTORNEYS

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FOOT SUPPORT AND WARMER FOR BEDS

Alice H. Simpson, Santa Barbara, Calif.

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6 Claims. (Cl. 5—327)

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This invention is directed to, and it is an object to provide, a novel foot support and warmer for beds.

Another object of the invention is to provide a foot support and warmer which is formed for maximum comfort to the occupant of the bed; the arrangement being such that the device can be readily and conveniently adjusted up or down in the bed by the occupant and without necessity of arising.

A further object of the invention is to provide a foot support and warmer for beds which is stable, i. e. does not tend to turn over or move in the bed, and the device prevents the occupant from slipping down in the bed, being thus very advantageous for use with a bed chair.

An additional object of the invention is to provide a device, for the purpose described, wherein the foot support is a transversely elongated shell, triangular in cross section, secured to a length of fabric and adapted to be rolled up or down in the fabric for selective positioning of said support; there being novel means for the occupant of the bed to effect such rolling of the support. The foot warmer is a removable hot water tank which matchingly engages in the foot support from an end thereof.

It is also an object of the invention to provide a foot support and warmer for beds which is designed for ease and economy of manufacture.

These objects are accomplished by means of such structure and relative arrangement of parts as will fully appear by a perusal of the following specification and claims.

In the drawings:

Fig. 1 is a perspective view of the device fully unrolled.

Fig. 2 is a fragmentary perspective view of the device partially rolled up so as to position the foot support closer to the head of the bed.

Fig. 3 is an enlarged sectional elevation of the device.

Fig. 4 is a perspective view of the hot water tank, detached.

Referring now more particularly to the characters of reference on the drawings, the novel foot support and warmer for beds comprises a transversely elongated foot support 1 in the form of a hollow shell of sheet metal or similar relatively thin but rigid material, which is triangular in cross section, as shown.

The transversely elongated foot support 1 is secured to the lower end of a length of fabric 2 which is light-weight canvas or other suitable material; such length of fabric being of a width

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substantially the length of the foot support 1.

The foot support 1 is secured to the length of fabric 2 by extending said fabric below the foot support, over the same, and thence stitching the fabric to itself along a transverse line 3.

A flexible strap 4 is anchored to the under side of the length of fabric 2 centrally of its sides and intermediate its ends, as at 5. From the underside anchor point 5 the flexible strap 4 extends lengthwise under the fabric 2, turns up and about the foot support 1, and then returns lengthwise on top of the fabric 2, passing through a guide loop 6, and thence being anchored top side to such fabric, as at 7.

At its upper end the length of fabric 2 is formed with a transverse sleeve or hem 8 through which a cross bar 9 extends, and fabric covered arms 10 project longitudinally outward from the ends of the cross bar 9, and said arms are formed with hooks 11 for engagement over the upper end of the mattress (not shown).

With the hooks engaged with the upper end of the mattress, the length of fabric 2 extends centrally down the bed atop the lower sheet of the bed covers.

The above described foot support is used as follows:

The occupant of the bed lies directly on the length of fabric 2 and places the feet on the near side of the foot support 1. By reason of the triangular configuration of said support, and its connection to the length of fabric 2, the foot support is stable and remains in position; i. e. cannot overturn or slip away from the feet of the occupant of the bed.

When the occupant of the bed desires the foot support to be relatively closer to the head of the bed, such support is rolled up in the length of fabric 2 with one or more turns, and this is accomplished—with slight effort, and without necessity of the occupant arising from the bed—merely by pulling on the top and upper portion of the flexible strap 4. Upon such pulling on the flexible strap 4 the foot support 1 rolls upwardly; the strap 4 relatively lengthening in its upper portion and relatively shortening in its lower portion. See Fig. 2.

It is therefore evident that the foot support can be adjusted to any position most convenient or comfortable to the occupant. Additionally, the device provides an excellent knee support, and prevents the occupant from slipping down in the bed.

When it is desired that the device serve both as a foot support, and as a foot warmer, a trans-

versely elongated hot water tank 12, likewise triangular in cross section, but slightly smaller than the shell which comprises the foot support 1, is removably engaged in the latter from one end thereof. The hot water tank 12 is fitted, at one end, with a filler cap 13.

With the hot water tank 12 matchingly located in the foot support 1, the latter is effectively warmed, and is further stabilized by the enhanced weight which said hot water tank provides.

It should also be noted that if desired the hot water tank 12 may be used independently of the foot support.

The described foot support and warmer for beds provides a very practical, convenient, and reliable device for the purpose.

The device is especially designed, but not limited, for use by bed patients, as for example in hospitals, convalescent homes, etc.

From the foregoing description it will be readily seen that there has been produced such a device as substantially fulfills the objects of the invention, as set forth herein.

While this specification sets forth in detail the present and preferred construction of the device, still in practice such deviations from such detail may be resorted to as do not form a departure from the spirit of the invention, as defined by the appended claims.

Having thus described the invention, the following is claimed as new and useful, and upon which Letters Patent are desired:

1. A foot support, for the occupant of a bed, comprising a transversely elongated foot supporting member of rigid material and of multi-sided configuration, a length of fabric adapted to extend longitudinally of the bed, the fabric at one end extending under and then over and enclosing the member so that the fabric may be rolled up about said member as a core and pull means accessible to the occupant of the bed operative to enable the member to be turned so as to roll the fabric about the same.

2. A foot support, for the occupant of a bed, comprising a transversely elongated foot supporting member of rigid material and of multi-sided configuration, a length of fabric adapted to extend longitudinally of the bed, the fabric at one end extending under and then over and enclosing the member so that the fabric may be rolled up about said member as a core and pull means accessible to the occupant of the bed operative to enable the member to be turned so as to roll the fabric about the same; said pull means being a length of flexible strap anchored at the ends topside and underside to the length of fabric, and extending to and about the foot supporting member.

3. A foot support for the occupant of a bed, comprising a transversely elongated shell of rigid material and triangular in cross section, a length of fabric, the shell being secured across one end of the length of fabric, means to anchor the other end of the length of fabric against sliding down in the bed along which said fabric extends, and a length of flexible strap anchored at the ends topside and underside to the length of fabric, and extending to and about the foot supporting member.

4. A foot support and warmer, for the occupant of a bed, comprising a transversely elongated shell triangular in cross section, a length of fabric, the shell being secured across one end of the length of fabric, means to anchor the other end of the length of fabric against sliding down in the bed along which said fabric extends, and a length of flexible strap anchored at the ends topside and underside to the length of fabric, and extending to and about the foot supporting member; there being a transversely elongated hot water tank triangular in cross section, matchingly engaged in the shell from one end thereof.

5. A device as in claim 1, in which the member is in the form of an isosceles triangle in cross section whereby when any one side of the member is disposed in a substantially horizontal position, an adjacent side will be disposed in a foot-supporting position.

6. A foot support for the occupant of a bed comprising a transversely elongated foot-supporting member of rigid material and of isosceles triangle form in cross section, a length of fabric adapted to extend longitudinally of the bed, means to attach one end of the fabric to a bed adjacent the head end thereof, the fabric at the opposite end extending under one side of the member, and means securing the fabric at the latter end to the member whereby upon turning the member in the direction of the head end of the bed, the fabric will be rolled about the member and the distance from the head end of the bed to said member will be lessened while enabling another side of the member to be disposed in position for foot engagement.

ALICE H. SIMPSON.

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