Jan. 8, 1929. 1,698,077

D. C. TRAVIS ET AL

BEDDING HOLDER FOR UPENDING BEDSTEADS

Filed May 10, 1926

Fig. 1

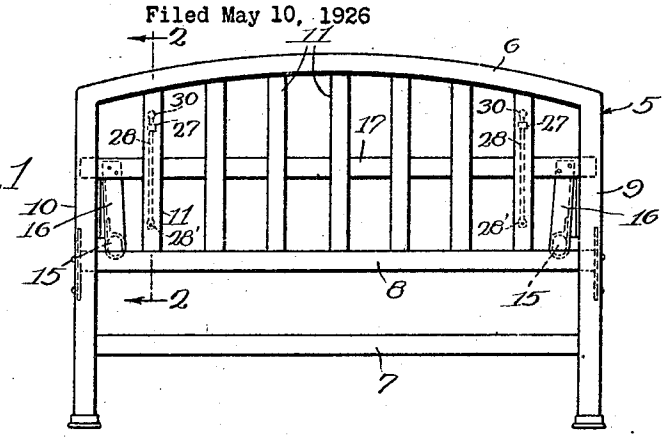


Fig. 2

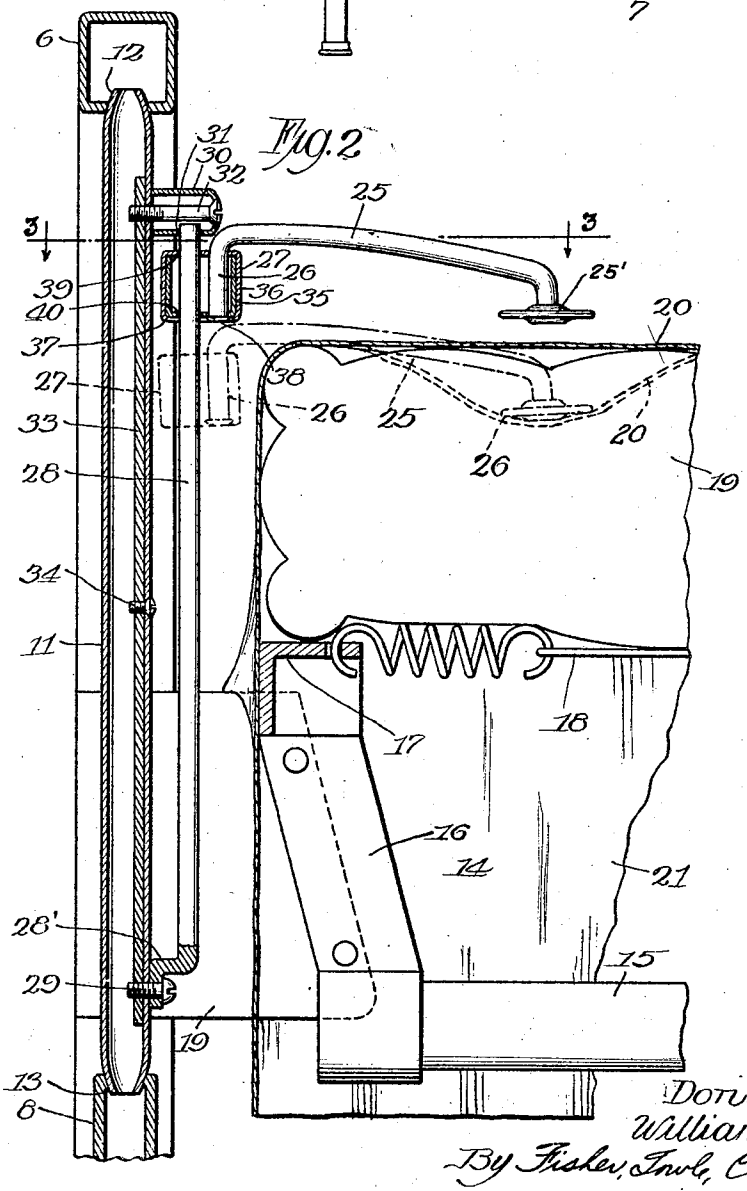
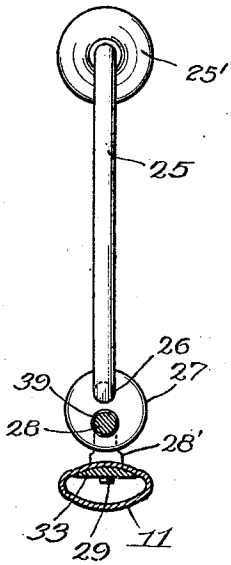


Fig. 3



Inventors:
Don Carlos Travis
William A. Vollmer
By Fisher, Fowle, Clapp & Sands Attys

Patented Jan. 8, 1929. 1,698,077

UNITED STATES PATENT OFFICE.

DON CARLOS TRAVIS AND WILLIAM A. VOLLMER, OF KENOSHA, WISCONSIN, ASSIGNORS TO SIMMONS COMPANY, OF NEW YORK, N. Y., A CORPORATION OF DELAWARE.

BEDDING HOLDER FOR UPENDING BEDSTEADS.

Application filed May 10, 1926. Serial No. 107,860.

This invention relates to bedding holders for upending bedsteads and more particularly to the type of holder which is employed at the end of the bed which is adapted to be raised or upended to hold the mattress and other bedding in place on the bed bottom when the bed is upended.

One of the objects of the invention is to provide such a device which will securely hold the bedding in place without interfering with the draping of the bedding covers over the edges of the mattress and bed bottom. Another object is to provide such a device which will be automatically locked in operative position due to the expansive pressure of the mattress against the holder when in such position, and which may be readily released and moved out of the way to permit free handling of the bedding.

Another object is to provide a device of the above described character which will be simple in construction, of few parts, but strong and rigid so as to be capable of withstanding the strains to which it is ordinarily subjected as well as exceptional strains which it may be subjected to in rough or careless handling.

Other objects and advantages will become apparent when the following specification is considered in connection with the accompanying drawing wherein I have illustrated a selected embodiment of my invention and in which:

Fig. 1 is an end elevation of the foot end of a bedstead to which our invention is applied.

Fig. 2 is a section on the line 2—2 of Fig. 1, and Fig. 3 is a section on the line 3—3 of Fig. 2.

Referring now to the drawings, 5 indicates the foot end frame of an upending bedstead having a top cross member 6, a lower cross member 7, and an intermediate cross member 8, all of which cross members extend between end posts 9 and 10. Suitable upright filler bars 11 extend between the upper cross member 6 and the intermediate cross member 8 and are secured in position by any suitable means. As shown in Fig. 2 these members 11 are secured in place between the members 6 and 8 by having their ends tapered as at 12 and 13 and projected into suitable apertures in the cross members which are somewhat smaller than the outside dimension of the uprights 11.

A bed bottom 14 comprising side rails 15, risers 16, end rail 17 and flexible bed bottom fabric 18, is supported at its foot end by the foot frame 5, by means of suitable connection indicated at 19.

The bed bottom fabric 18 is adapted to support a mattress 19 thereon, which in accordance with common practice is covered with suitable bedding including a bedspread indicated at 20, which is ordinarly draped over the edges of the mattress and bed bottom as indicated at 21 to improve general appearances of the bed when made up.

Our improved device for holding the mattress, bedding and bedspread in place when the bed is to be upended comprises a member 25 having an enlarged head 25′ which is adapted to engage the bedding without danger of tearing or otherwise damaging the same. The other end of the member 25 is bent over to provide a portion 26 to which a mounting member 27 is secured. The mounting member 27 is adapted to slide on a rod 28 which is secured to one of the uprights 11 of the foot frame 5 in any suitable manner. In the present instance I have shown this rod provided with a foot portion 28′ through which a screw 29 may be passed and threadedly engaged with the upright 11 to hold one end of the rod in position. The other end of the rod may conveniently be held in position by means of a thimble 30 having an aperture 31 in its side walls adapted to receive the end of the rod 28. The thimble is secured to the upright 11 by means of a screw 32 passing through a suitable aperture in the outer end of the thimble and threadedly engaged with the said upright 11. The upright 11 may be of comparatively thin metal of tubular construction and in order to reinforce the same so as to withstand the strains to which it might be subjected by the holding device, we prefer to provide a reinforcing bar 33 on the inside of the upright and to provide suitable threaded apertures in this reinforcing member to receive the screws 29 and 32. We also prefer to provide a screw 34 threadedly engaging the reinforcing member 33 intermediate the screws 29 and 32.

The mounting member 27 is preferably

made up of a pair of metal cups which may be nested with their closed ends disposed opposite to each other so as to form in effect, a small closed cylinder. The inner cup 35 may conveniently be held in place within the outer cup 36 by turning the edge of the outer cup 36 over the inner cup as indicated at 37. The mount 27 is secured to the portion 26 of the member 25 by providing suitable apertures in the ends of the mount through which the portion 26 may be passed and then riveting over the end of the portion 26 as shown at 38.

The member 25 and mount 27 secured thereto as above described is slidingly mounted on the rod 28 by means of suitable apertures 39 and 40 in the ends of the mount 27 through which the rod 28 may freely pass when the apertures are in proper alignment. When the member 25 is to be moved into operative engagement with the bearing, it is pressed downwardly, sliding on the rod 28 until the bedding is engaged and tightly pressed against the bed fabric 18. Downward pressure on the member 25 may then be removed and expansive pressure of the mattress and bedding will tend to move the outer end or enlarged end 25′ upwardly thereby causing the member 25 to assume a somewhat angular position relative to its position when the apertures 39 and 40 are in alignment. A cramping engagement will thereby be effected between oppositely disposed portions of the edges of the apertures 39 and 40 of the mount 27 and the rod 28, as will be readily understood from an inspection of the dotted line position of the member 25 is shown in Fig. 2. In order to release the holding device it is merely necessary to press down the outer edge of the member 25 so as to relieve the cramping action, after which the holder may readily be disengaged from the bedding.

When the bed is to be made up it will be noted that the holding device may be swung about the rod 28 so as to lie in a plane substantially parallel with the plane of the end frame 5 whereby the bedspread 20 may be draped over the edges of the mattress and bed bottom without obstruction or interferences of the bedding holder.

We are aware that various changes in the form and construction and means of mounting and adjusting our improved bedding holder may be made without departing from the essence of the invention, and we therefore reserve the right to make such changes as fall within the scope of the following claims.

We claim as our invention:

1. In a bedding holder of the class described, the combination of a guide rod, a holding member slidably mounted on said guide rod for compressingly engaging and holding bedding in place on a bed bottom, and means for so mounting said member on said guide rod comprising a part secured to said member and having a pair of spaced, relatively thin walls, said walls being respectively provided with an aperture for loosely receiving said guide rod, a portion of the edges of said walls around the respective apertures therein being adapted, as an incident to the expansive pressure of the bedding, to engage said guide rod with a cramping action, thereby to lock the holder in operative position.

2. In a bedding holder of the class described, the combination of a guide rod, a holding member slidably mounted on said guide rod for compressingly engaging and holding bedding in place on a bed bottom, and means for so mounting said member on said guide rod comprising a part secured to said member, and comprising a pair of oppositely facing, relatively thin walled cup members, telescoped one within the other so as to form a hollow cylinder, the end walls of said cylinder being provided with a pair of substantially coaxial apertures for loosely receiving said guide rod, a portion of the edges of said end walls around the respective apertures being adapted, as an incident to the expansive pressure of the bedding, to engage said rod with a cramping action, thereby to lock the holder in operative position.

3. In a bedding holder of the class described, the combination of a guide rod having one end offset and secured to a portion of a bed frame, a tubular member secured to said bed frame and having a closure at one end, and an aperture in its side wall adjacent said closure for receiving the opposite end of said guide rod, thereby to secure said opposite end to the bed frame, a holder slidably mounted on said guide rod for compressingly engaging and holding bedding on the bed bottom associated with said frame, and means for so mounting said holder comprising a part secured to said holder and provided with a pair of relatively thin walls having substantially coaxially disposed apertures for loosely receiving said guide rod, a portion of the edges of said walls around the respective apertures therein being adapted, as an incident to the expansive pressure of the bedding, to engage said rod with a cramping action, thereby to lock the holder in operative position.

4. In combination with a bedstead having an end frame including relatively thin walled tubular metal spacer bars, a bedding holder comprising a guide rod and a holding member slidably mounted on said guide rod for engaging the bedding, said guide rod being secured to, but spaced from one of said spacer bars, means for securing said guide rod to said bar comprising an offset foot portion at one end of the guide rod engaging

said bar and a member also engaging said bar and provided with an aperture for receiving the other end of said rod, said foot portion and said member being each provided with an aperture for respectively receiving a screw member, screw members extending through the apertures in said foot and member respectively, and through the adjacent wall of said bar, and a reinforcing member disposed on the inside of said bar and provided with a pair of threaded apertures for receiving said screw members.

DON CARLOS TRAVIS.
WILLIAM A. VOLLMER.