Sept. 25, 1923. 1,468,624

J. T. BENNETT

DEVICE FOR USE WITH BEDS

Filed Oct. 25, 1922

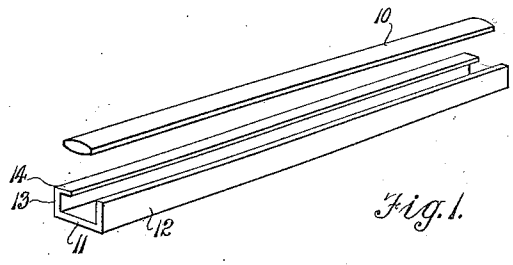


Fig. 1.

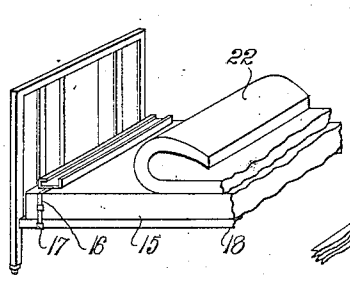


Fig. 2.

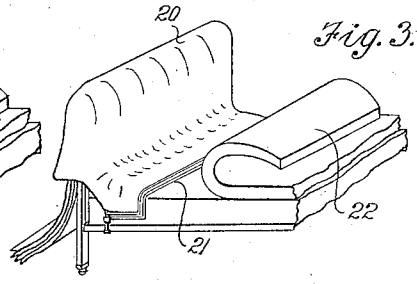


Fig. 3.

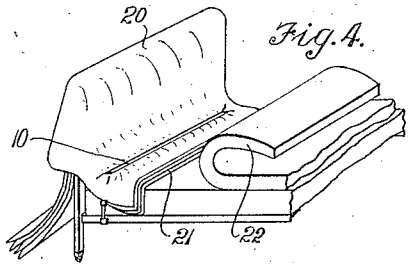


Fig. 4.

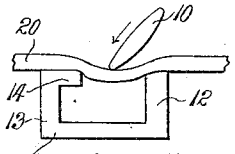


Fig. 5.

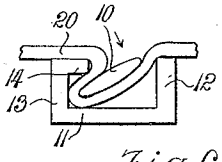


Fig. 6.

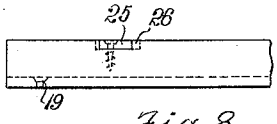


Fig. 8.

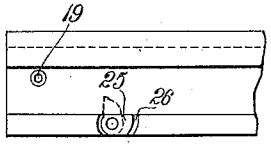


Fig. 9.

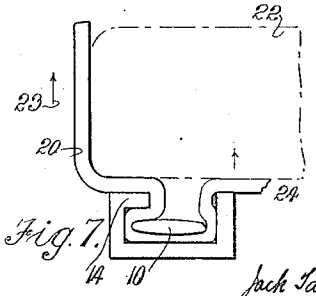


Fig. 7.

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UNITED STATES PATENT OFFICE.

JACK TAYLOR BENNETT, OF GLASGOW, SCOTLAND.

DEVICE FOR USE WITH BEDS.

Application filed October 25, 1922. Serial No. 596,877.

To all whom it may concern:

Be it known that I, JACK TAYLOR BENNETT, a subject of the King of Great Britain and Ireland, residing at 23 Queenborough Gardens, Glasgow, W., Scotland, have invented certain new and useful Improvements in Devices for Use with Beds, for which I have filed an application in England October 12, 1921, No. 27,039, and of which the following is a specification.

This invention relates to a device or appliance for use in connection with beds, for facilitating the making thereof and to ensure greater comfort, and is designed to enable one of the edges preferably the lower edge, of a sheet, blanket and/or other article of bed clothing to be simply and efficiently gripped, without injury thereto, thus enabling the bed to be very quickly and evenly made, after the device has once been placed in position. At the same time, when it is desired to change the bed clothes, this can be done very rapidly and expeditiously.

According to the general principle of my invention, I provide a channelled fitting, of wood or other suitable material adapted, in the preferred case to extend transversely across the lower edge of the sheet or other article of bed clothing, or a portion of the same, in proximity to such edge. I further provide a slat or the like, adapted to come above the article or articles of bed clothing resting in the channel and to secure them therein.

And in order that the invention may be better understood, it will now be described with reference to the accompanying drawing, in which:—

Fig. 1 shows a perspective view of a preferred form of the device.

Fig. 2 shows a perspective view of the foot of a bed with the device in position thereon, the size of the device being somewhat exaggerated compared to the bed.

Figs. 3 and 4 show similar views to Fig. 2, and illustrate the method of using the device.

Figs. 5, 6 and 7 are diagrammatic end elevations showing the various stages of operation.

Fig. 8 shows in elevation and Fig. 9 in plan a portion of a device made according to the invention incorporating a modification.

The device consists generally of two members, a slat 10 and a channelled fitting, which latter comprises a base 11, walls 12 and 13 and an overhang or flange 14, at the top of the wall 13.

The slat 10 is preferably somewhat bevelled as shown and is of greater width than the distance between the edge of the flange 14, and the inner face of the wall 12, but is of such width that when one of its edges is pushed under the flange 14, the slot reaches across but does not entirely fill the bottom of the channel.

In use, the channelled member is placed upon the under mattress 15, at the foot of the bed, with the wall 13, towards the head thereof, see Fig. 2. It may simply rest on the mattress or it may be retained in position in any suitable manner, for instance as shown it may have an adjustable strap 16, fastened to each end thereof, the straps carrying hooked plates 17, adapted to be engaged with the angle iron side 18 of the bed frame. Or in some cases, especially when resting on a spring mattress it may be attached to the frame thereof, by means of suitable screws, passing through recessed or countersunk apertures, such as shown at 19, (Figs. 8 and 9).

The sheets, blankets and/or other articles of bed clothing 20 which are to be gripped, are placed with their edges 21, a few inches from the device and turned towards the top of the bed, so that the material extends over the channelled member and then over the lower end of the bed, see Fig. 3.

The slat 10 is next taken and inserted in an inclined position, as shown in Fig. 5, so that one of its edges pushes the bed clothes 20 beneath the overhanging flange 14, until the other edge of the slat can be fitted into the channel, see Figs. 6, 7 and 4.

After this, the hair or other mattress 22 is turned back into position, so that its lower end comes over the device and the bed clothes are then turned up, see Fig. 7, and the bed made in the ordinary way.

When the bed clothes 20 are pulled say in the direction of the arrow 23, see Fig. 7, the slat 10 is pulled upwardly slightly and grips the bed clothes between itself and the underside of the flange 14, preventing movement of the clothes.

When the bed has been occupied, it is only necessary to turn the clothes 20 over the bottom of the bed for airing, after which the bed can be again made in a few moments, as the lower edge of the clothes, being held in the proper position no skill

or trouble is necessary in adjusting them. It is simply necessary to lay them over the bed and to tuck in the sides.

When however, it is desired to change the bed clothes, this can be done very quickly. The lower end of the mattress is raised, and the edge of the sheet or the like is lifted in the direction of the arrow 24, see Fig. 7, which withdraws automatically the slat from the channel, thus releasing the clothes from the device.

In some cases a turn button or the like 25 (see Figs. 12 and 9) may be pivotally mounted in a recess 26 in the wall 12, towards each end of the device, or in other positions to provide an additional guard against any tendency for the slat 10 to leave the channel.

The advantages of a device made according to my invention, will be obvious, as in addition to its adaptability for general domestic purposes, it will be of great use in hotels, schools, institutions or on board ship, where a large number of beds have to be made. By its use it will be possible to make these in a more efficient manner and expeditiously than is at present the case.

In addition, there is no liability of the lower ends of the bed clothes becoming displaced, during the night which often happens with restless sleepers.

It will be understood that the particular method of constructing the device herein described is given merely by way of example, and that the construction may be varied considerably without departing from the principles of my invention.

In some cases the device may be fitted along the side of the bedstead, instead of at the lower end.

It will be obvious that in place of forming a separate device, adapted to be attached to or placed upon the bedstead, the channelled portion of the said device may constitute a portion of the bedstead itself, or may be attached to or form a portion of the spring or other mattress.

What I claim as my invention and desire to secure by Letters Patent of the United States of America is:—

1. Means for facilitating the making of beds, comprising a channelled member adapted to receive the bed clothes towards one edge thereof, having a base and two walls, one of the latter being furnished with a flange overhanging the channel, reducing the width of the opening at the top thereof, a slat adapted to enter the channel, the said slat being of greater width than the reduced opening, but of less width than the normal width of the channel, and means arranged to cooperate with said overhanging flange, to prevent casual removal of the slat.

2. Means for facilitating the making of beds, comprising a channelled member adapted to receive the bed clothes towards one edge thereof, having a base and two walls, one of the latter being furnished with a flange overhanging the channel, reducing the width of the opening at the top thereof, a slat adapted to enter the channel, the said slat being of greater width than the reduced opening, but of less width than the normal width of the channel and means to secure the ends of the channelled member to opposite sides of a bedstead.

In testimony whereof, I have hereunto subscribed my name.

JACK TAYLOR BENNETT.