May 10, 1927.

1,627,723

P. P. BEBRY

TUFTED MATTRESS BUTTON

Filed Oct. 22, 1925

Fig. 1.

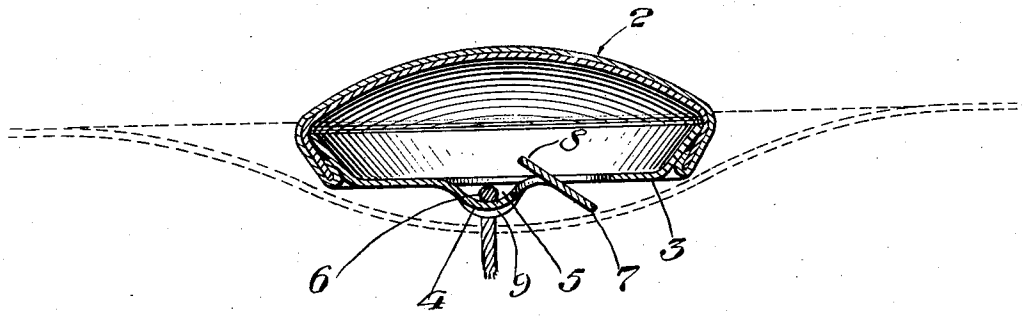


Fig. 2.

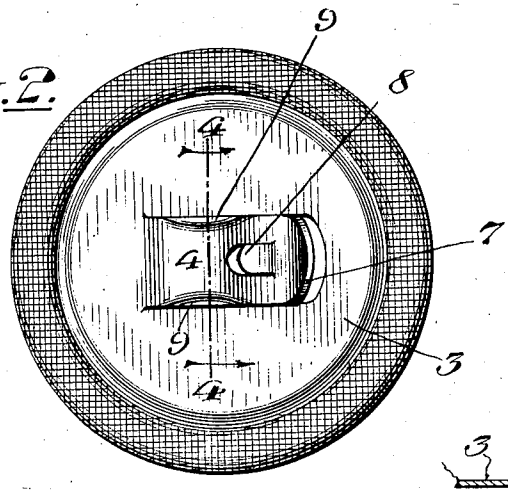


Fig. 4.

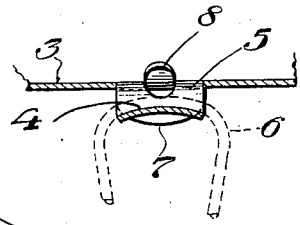
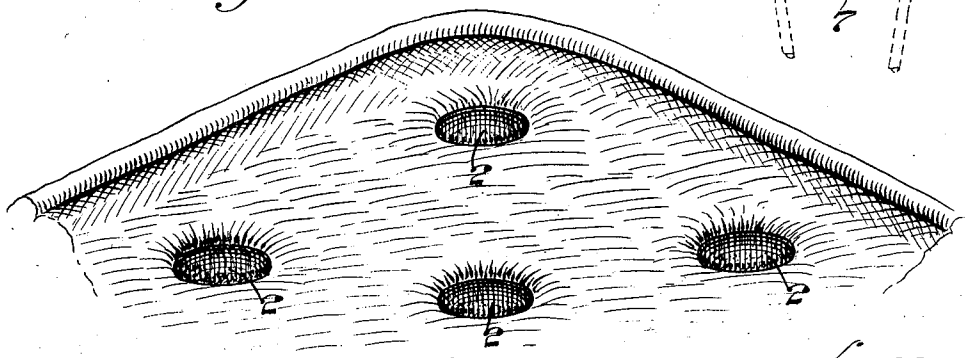


Fig. 3.



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UNITED STATES PATENT OFFICE.

PERCIVAL P. BEBRY, OF WEST ROXBURY, MASSACHUSETTS, ASSIGNOR TO ENGLANDER SPRING BED COMPANY, OF BROOKLYN, NEW YORK, A CORPORATION OF NEW YORK.

TUFTED-MATTRESS BUTTON.

Application filed October 22, 1925. Serial No. 64,089.

This invention relates to turfted mattress buttons, that is, to a button particularly adapted for use with tufted mattresses, the object of the invention being to provide a simple, inexpensive, practical button which can be quickly applied and by means of which certain of the troubles and disadvantages heretofore incident to the use of tufted mattresses are avoided.

As is well known, mattresses are tufted by drawing a thread therethrough at intervals to form tufts to keep the material of the mattress from changing position, and for the purpose of preventing the thread from cutting the fabric a suitable button, piece of fabric or other suitable material is drawn into position by the thread. Frequently however, these buttons with their wire shanks or loops cut the threads, or the heads of the buttons break away from the shanks, resulting in the loosening of the tufts and in an unsightly appearance of the mattress, and where buttons are sewed to the mattress in this manner, it is impossible to replace them, except by the application of new threads, and practically the retufting of the mattress, which the average user has no facilities for doing. It is therefore the purpose of this invention to do away with these difficulties and enable the buttons to be quickly replaced by the user.

In the drawings accompanying and forming a part of this specification, Fig. 1 is a cross section of this improved button in position; Fig. 2 is a bottom view of the button; Fig. 3 illustrates a portion of a mattress having these improved buttons applied thereto; and Fig. 4 is a transverse section taken on line 4—4 Fig. 2.

Before explaining in detail the present improvement and mode of operation thereof, I desire to have it understood that the invention is not limited to the details of construction and arrangement of parts which are illustrated in the accompanying drawings, since the invention is capable of other embodiments, and that the phraseology which I employ is for the purpose of description and not of limitation.

This improved button, which may be made in any ornamental form, comprises in the preferred form thereof herein shown a top or head 2 and a bottom plate 3 within the margin of which is struck out a resilient wide bowed shank or tongue 4 forming a recess or groove 5 for the reception of the thread loop 6. The free end of this tongue is curved, and projects away from the bottom plate as at 7 and is outwardly bent, and acts as a guide or lip to catch or hook the thread loop and guide it into position, and is provided with an instruck inwardly extending retaining projection 8 extending in an inclined position toward the loop groove, and thus is in position to prevent the button from snapping off of the stitch or thread loop. The side edges of the groove formed portion of the tongue are rounded as at 9, forming a transversely curved saddle for the thread to prevent the fraying or cutting of the thread loop, and the tongue is also relatively wide to also prevent the cutting of the thread loop.

The tongue in the present improvement is struck up from practically the center of the plate itself, so that it does not require any metal added to the plate to form the tongue. In other words, the metal of the disk shaped plate itself is utilized to form the tongue.

In the application of this improved button after the mattress is tufted by the usual thread being drawn therethrough at intervals, it is merely necessary to snap the buttons in place by inserting the tongue lip 7 under the thread and moving the button laterally until it passes into the groove or recess in the tongue, the inward projection 8 preventing the button from subsequently snapping off. Should the button head subsequently break off, it is merely necessary to remove the old button plate and place a new button in position in the manner just described, which can be readily done, and this without the necessity of retufting or restitching any portion of the mattress.

Thus the present improvement does away with the sewing on of buttons on tufted mattresses and enables the user to always have a properly appearing mattress, so that the present improved button is well adapted for tufted upholstery and tufted mattresses.

It is to be understood that by describing in detail herein any particular form, structure or arrangement, it is not intended to limit the invention beyond the terms of the several claims or the requirements of the prior art.

Having thus explained the nature of my said invention and described a way of con-

structing and using the same, although without attempting to set forth all of the forms in which it may be made, or all of the modes of its use, I claim:

1. A tufted mattress button having formed as a part thereof a shank-forming bowed tongue for receiving a thread loop of a mattress, said tongue being struck out from and located wholly within the margin of the lower side of the button, said tongue having struck out therefrom an inwardly projecting thread loop retaining portion.

2. A tufted mattress button having formed as a part thereof a shank-forming bowed tongue for receiving a thread loop of a mattress, said tongue being struck out from and located wholly within the margin of the lower side of the button, said tongue having struck out therefrom an inwardly projecting thread loop retaining portion, inclined toward the vertical axis of the button.

3. A tufted mattress button having formed as a part thereof a shank-forming bowed tongue for receiving a thread loop of a mattress, said tongue being struck out from and located wholly within the margin of the lower side of the button, said tongue having struck out therefrom an inwardly projecting thread loop retaining portion inclined toward the vertical axis of the button, and located above and in juxtaposition to the bowed portion of the tongue.

4. A tufted mattress button having its bottom plate provided with a relatively wide resilient ogee formed tongue struck out from within the margin of the plate forming a thread loop groove and a guiding lip, the latter having an inwardly extending inclined retaining projection.

5. A tufted mattress button having a part of its bottom plate struck out from within the margin of the plate and bent to form a recessed tongue and an outwardly extending guiding lip having an inwardly extending retaining projection.

6. A tufted mattress button having formed as a part thereof and struck out from the underside thereof a shank forming bowed tongue for receiving a thread loop, said tongue having a thread loop guiding lip and also having struck out therefrom an inwardly projecting thread loop retaining portion located above and in juxtaposition to the bowed portion of the tongue.

7. A tufted mattress button having a bottom plate provided with an integral tongue struck out from substantially the center of said plate, said tongue having a thread receiving groove transversely thereof having curved side edges and also having an outwardly extending lip provided with an inwardly extending retaining projection.

8. A tufted mattress button having a bottom plate provided with an integral resilient tongue struck out from within the margin of the plate, said tongue having a bowed portion forming a thread receiving groove, an outwardly extending guiding lip, and an inclined inwardly extending retaining projection extending toward said groove.

9. A tufted mattress button having formed as a part thereof and struck out from the underside thereof a shank forming bowed tongue having a transversely curved saddle for receiving a thread loop, said tongue having a thread loop guiding lip and also having struck out therefrom an inwardly projecting thread loop retaining portion located above and in juxtaposition to the bowed portion of the tongue.

10. A tufted mattress button having a bottom plate provided with a tongue struck out from within the margin of said plate, said tongue bent to form a thread receiving groove having a transversely curved saddle to conform to the shape of the thread loop and prevent the cutting thereof and also having an inwardly extending thread retaining projection.

11. A tufted mattress button having a bottom plate provided with a tongue struck out from within the margin of said plate, said tongue bent to form a thread receiving groove having a transversely curved saddle to conform to the shape of the thread loop and prevent the cutting thereof and also having an inwardly extending thread retaining projection, said tongue having an outwardly extending thread loop guiding lip.

12. A tufting button having its back provided with a combined thread loop receiving tongue and retaining projection for the reception of a previously formed thread loop.

13. A tufting button having its back provided with a thread loop receiving tongue and a thread loop retaining projection for the reception of a previously formed thread loop, both struck out from the back of said button.

14. A tufting button having its back provided with a thread loop receiving tongue for the reception of a previously formed thread loop and struck up from such back and shaped to retain the thread.

15. A button for tufted upholstery embodying a plurality of complemental parts, one of which is provided with a retainer deflected with respect to the plane of said part and adapted for engagement with a tufting thread.

Signed at Boston, the county of Suffolk, State of Massachusetts, this 19th day of October, 1925.

PERCIVAL P. BEBRY.