Jan. 1, 1929. 1,697,633

H. A. COPELAND

MATTRESS SHIELD

Filed Dec. 10, 1925

Fig. 1.

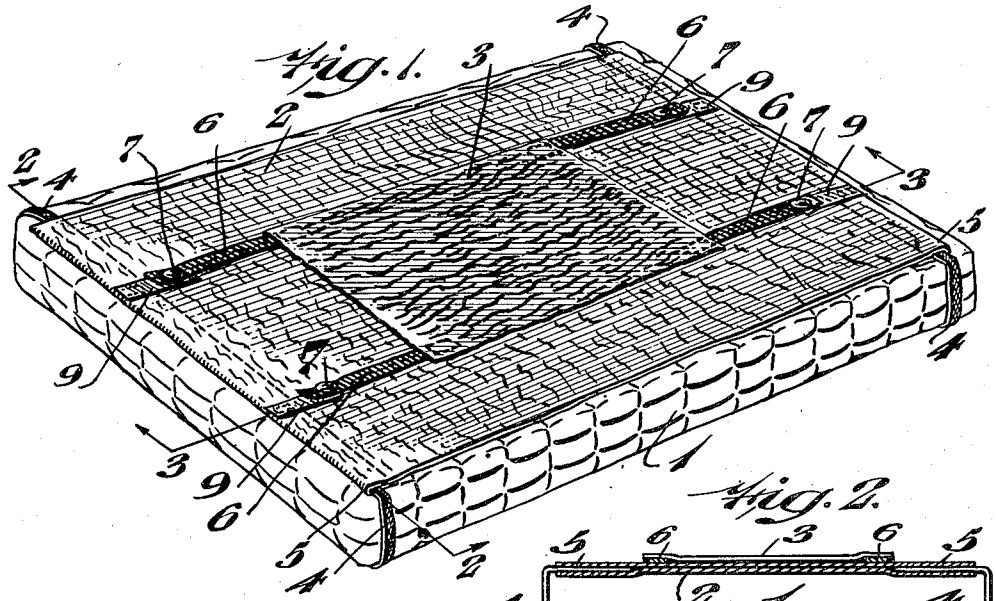


Fig. 2.

Fig. 3.

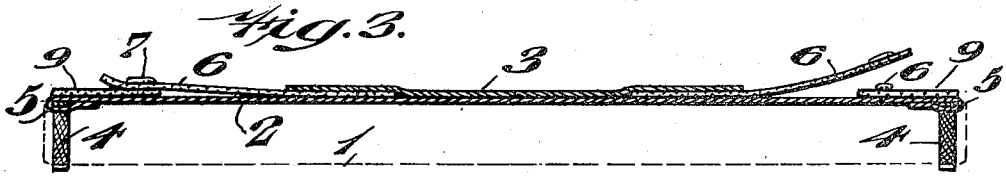


Fig. 4.

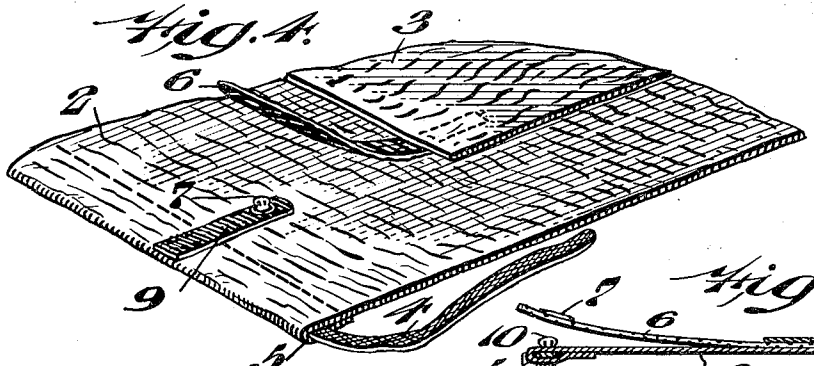


Fig. 5.

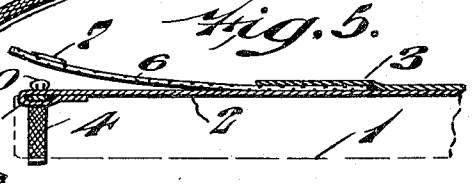
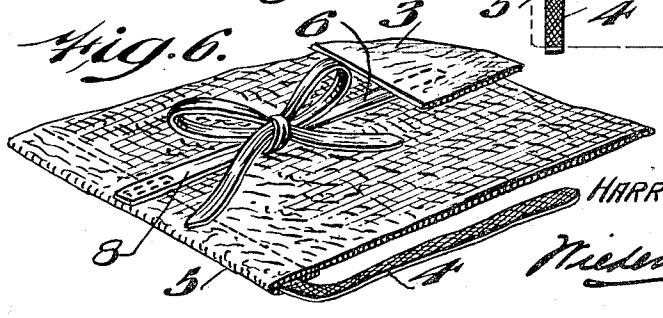


Fig. 6.



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UNITED STATES PATENT OFFICE.

HARRY A. COPELAND, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-FOURTH TO EARLE V. RODGERS, OF CRANFORD, NEW JERSEY, AND ONE-FOURTH TO ROBERT MITCHELL, AND ONE-FOURTH TO HOWARD W. VANDER VOORT, BOTH OF GLEN RIDGE, NEW JERSEY.

MATTRESS SHIELD.

Application filed December 10, 1925. Serial No. 74,475.

My invention relates to a new and useful protecting shield for mattresses and the like, the object of my invention being to provide a combination of primary and secondary, or main and auxiliary protecting sheets for mattresses and the like, whereby, a smaller or upper auxiliary sheet may be replaced on the main or lower protecting sheet at a relatively low cost, while the main or lower sheet is left intact and fresh at all times.

With the above ends in view, my invention consists of a lower or main and an upper or auxiliary protecting sheet, each formed of a suitable impervious or water proof sheet material, such as bituminous or other water proof paper and preferably, creped paper.

My invention further consists of means for retaining the main or lower protecting sheet upon the mattress in position and further means for retaining the upper or smaller auxiliary sheet upon said main or lower sheet in spaced relation thereto and in a detachable manner.

For the purpose of illustrating my invention, I have shown in the accompanying drawings, forms thereof which are at present preferred by me, since they will give in practice, satisfactory and reliable results, although it is to be understood that the various instrumentalities of which my invention consists can be variously arranged and organized and that my invention is not limited to the precise arrangement and organization of these instrumentalities as herein shown and described.

Referring to the drawings:—

Figure 1 represents a perspective view of a mattress having mounted thereon a mattress shield embodying my invention.

Figure 2 represents a diagrammatic section on line 2—2 of Figure 1.

Figure 3 represents a similar diagrammatic section on line 3—3 of Figure 4.

Figure 4 represents a perspective view of a corner of the shield of my invention, on an enlarged scale.

Figure 5 represents one end of a section, similar to that shown in Figure 3, showing a modified means for attaching the auxiliary to the main sheet.

Figure 6 represents a perspective view, similar to that shown in Figure 4, showing a modified construction.

Referring to the drawings, in which like reference characters indicate like parts, 1 designates a mattress shield of my novel construction, consisting of the bottom or main sheet 2, and the upper or auxiliary sheet 3. The main sheet 2, of the full size of the mattress, is retained thereon by suitable straps or flexible bands 4 which are secured in the end seam 5 thereof, which flexible bands are tucked underneath the mattress, between the mattress and the spring. The upper or auxiliary sheet, of substantially smaller size, is positioned and retained upon the bottom sheet 2 by a series of suitable straps 6 secured to each corner thereof, which straps may be detachably secured to the main sheet, by a series of snap fasteners 7, as shown in Figures 1, 3, 4 and 5, or may be merely tied to a corresponding series of straps 8, secured to the edges of the bottom or main sheet.

While in the modification shown in Figures 1, 3, and 4, one half of the snap fastener is carried by a small strap 9 secured to the bottom or main sheet 2, yet it is equally possible, if so desired, to secure the lower half 10 of the snap fastener 7 directly to the edges of the main or bottom sheet 2.

While the sheets 2 and 3 may be made of any suitable water proof material, a suitable water proof creped paper has been found, in practice, to be very desirable and to give highly beneficial results, since such sheets of water proof creped paper possess the resiliency and elasticity essential to comfort. Similarly, while the retaining straps 6 and 9 may be made of any suitable material, it has been found that a strip of creped paper serves the purpose very well, also due to its elasticity and resiliency, by allowing for the slight shifting and moving of the upper or auxiliary sheet with respect to the lower or main sheet.

By my novel construction it is thus seen, that not only is the mattress entirely protected from all moisture, by the two sheets of water proof material 2 and 3, but also by the provision of the small auxiliary sheet 3 upon the lower or main sheet 2, at the place where said main sheet is most exposed to dampness or moisture, the lower sheet may be protected and thus maintained fresh and clean for a great length of time by merely replacing, from time to time, the upper and

smaller sheet 3, which can be done at a relatively low cost. Moreover, by the provision of the lower and upper sheets 2 and 3, respectively, the wear upon the shield is greatly eliminated, since any shifting or moving, is between said two sheets, hence reducing the frictional wear upon the shield itself.

It will now be apparent that I have devised a novel and useful construction in a mattress shield which embodies the features of advantage enumerated as desirable in the statement of the invention and the above description and while I have, in the present instance, shown and described a preferred embodiment thereof which will give in practice satisfactory and reliable results, it is to be understood that such embodiment is susceptible of modification in various particulars without departing from the spirit or scope of the invention or sacrificing any of its advantages.

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

1. A shield of the character stated, comprising a lower main sheet of water proof creped paper, straps extending transversely from the corners thereof, an upper smaller, centrally disposed auxiliary sheet of water proof creped paper, and means intermediate said auxiliary sheet and said lower sheet for detachably securing the former to the latter, said means comprising parallel, inwardly extending straps secured to the ends of said lower sheet, aligning straps secured to the corners of said upper sheet and fastening means for the juxtaposed ends of said straps.

2. A mattress shield of the character stated, comprising a lower main sheet of water proof material, fastening straps extending transversely from the corners of said lower sheet, short, inwardly extending reinforcing straps on the upper surface of said lower sheet, an upper auxiliary sheet of water proof material, of lesser area than said lower sheet, fastening straps aligning with said short straps and extending longitudinally and outwardly from the corners of said upper, auxiliary sheet and means for detachably securing the outer ends of said fastening straps to the inner ends of said reinforcing straps.

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