May 26, 1953 E. S. DE MONSABERT 2,639,444

MATTRESS COVER

Filed Aug. 7, 1950

Fig. 1

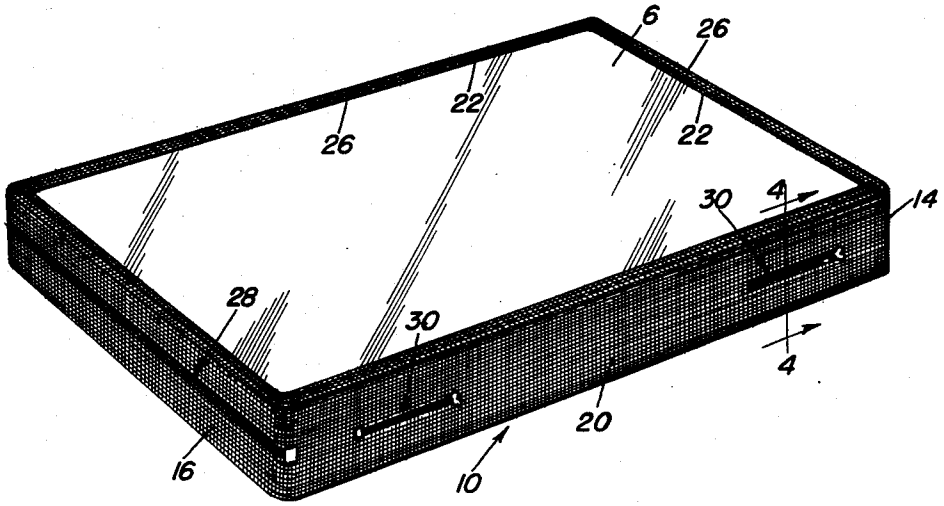

Fig. 2

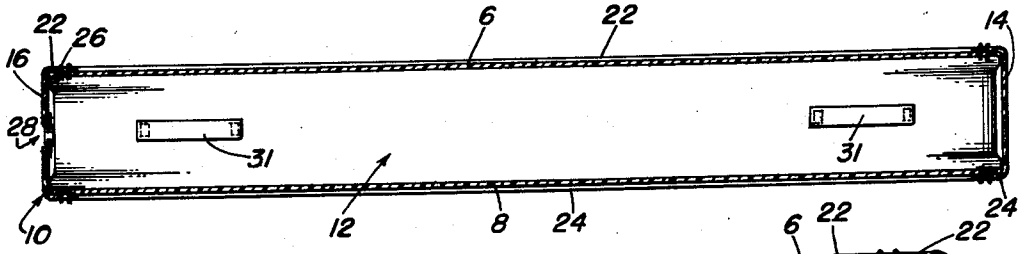

Fig. 3

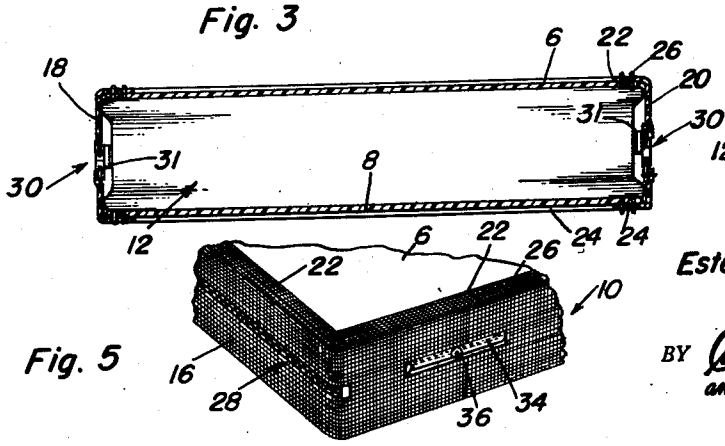

Fig. 4

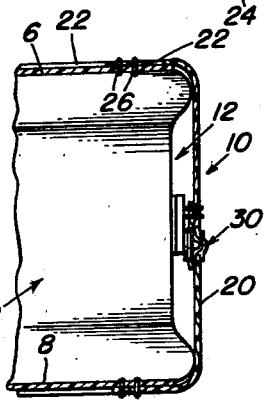

Fig. 5

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Patented May 26, 1953 2,639,444

UNITED STATES PATENT OFFICE

2,639,444

MATTRESS COVER

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Application August 7, 1950, Serial No. 178,081

1 Claim. (Cl. 5—354)

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The present invention relates to certain new and useful improvements in mattress covers and has more particular reference to a casing-type cover which is adapted to envelop the mattress in a well known manner and to minimize soiling of the mattress and to otherwise preserve and prolong the life thereof.

An objective of the invention is to structurally and functionally improve on slip-over covers and casings for cushions, pads, mattresses and the like and, in so doing, to thus have a cover in which manufacturers, users and others will find their respective needs fully met, aptly contained and economically available.

It is a matter of common knowledge that so-called mattress covers are of many and varied styles and types. Generally, however, a cover in this category, representative in form, would take the form of a casing or jacket which fits over and covers the mattress ordinarily being made from a suitable washable fabric and being held in place by snap fasteners, buttons, Zippers and the like. More recently flexible plastic bags have come into vogue. However, these plastic bag-type covers wrinkle, shift and slide out of position and are anything but form-fitting in character.

The improved cover forming the subject matter of the instant development is calculated to better fulfill the end results wanted in that it is a combination of commercial plastics and special fabric. More specifically the cover, in its preferred embodiment, is characterized by top and bottom plastic panels which are normally flat and substantially shape sustaining in nature and yet pliant enough to conform to and fit over coacting mattress surfaces with requisite nicety. These two panels have their marginal edge portions interconnected by boxing means the principal properties of which are elasticity, porosity for ventilation, and rough surface finish to offset undue slipping and sliding of bed clothing.

In carrying out the principles of the invention in accordance with the above, a form-fitting self-adjusting mattress cover is had which reduces wrinkling to a minimum, eliminates shifting and displacement in relation to the encased mattress and assists in sustaining the usual sheet neatly and securely in position.

Other objects, features and advantages will become more readily apparent from the following description and the accompanying sheet of illustrative drawings.

In the stated sheet of drawings, wherein like numerals are employed to designate like parts

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Figure 1 is a perspective view of a mattress or equivalent casing-type cover constructed in accordance with the principles of the present invention;

Figure 2 is a lengthwise view showing the cover in section and the mattress in side elevation;

Figure 3 is a view at right angles to Figure 2 and also showing the cover in section and the mattress in end elevation;

Figure 4 is an exaggerated fragmentary sectional view taken on the vertical line 4—4 of Figure 1 with the mattress appearing in elevation, looking in the direction of the arrows; and,

Figure 5 is a fragmentary perspective view of one corner portion of the cover and showing a slight modification in one of the structural features thereof.

Referring now to the drawings by reference numerals it will be seen that the general style or form of the cover is conventional in that it is of customary box-like slip-over styling. As before mentioned the top member is in the form of a substantially rectangular flat-surfaced sheet or panel of commercial plastics, the same denoted by the numeral 6. This will be sufficiently rigid to retain its substantially flat shape and yet aptly pliant to accommodate and conform to the coacting top surface of a mattress or the like. The bottom 8 is of equivalent construction. That is to say, it is a rectangular panel or sheet of transparent commercial plastic having the desired semi-rigid but appropriately pliant characteristics. The interconnecting boxing means is denoted by the numeral 10 and this has its marginal edge portions stitched or otherwise connected to the coacting marginal edge portions of the top and bottom panels whereby the several components contribute in forming the customary box-like casing for the insertable and removable conventional mattress 12. The boxing embodies transverse reaches or walls 14 and 16 and longitudinal side walls 18 and 20. The stated boxing 10 is, more specifically, a strip of rough-textured elasticized, cotton webbing, which will hold the mattress cover firmly to the mattress. It will be noticed in this connection that the marginal edge portions of the elasticized webbing, that is the upper and lower edges 22 and 24 (see Figures 3 and 4 in particular), overlap the marginal edges of the plastic panels and are stitched or otherwise secured thereto as at 26. These overlapping portions provide flanges which are some two inches in width and which not only strengthen the over-all construction but actually constitute anti-slipping members to assist in preventing a sheet or other article of bed clothing (not shown)

from slipping off of the mattress cover once it is properly positioned by hand. Obviously the elastic retentive properties of the webbing serve to draw the plastic panels together and to bind them in firm contact with the coacting surfaces of the mattress. The over-all cover is therefore yieldingly conformable and satisfactorily held in place. In addition the rough and elastic surfaces provide the aforementioned anti-slipping results. In actual practice the webbing will be possessed of the "two-way stretch" as shown in the drawings. The weaving is such that desired ventilating properties are also had. The front end of the webbing is provided with a slot whose ends extend around the adjacent corner portions and said slot is preferably closed with a Zipper fasteners **28**. This provides an openable and closable mouth to facilitate application and removal of the cover. The longitudinal sides **20** are also provided with forward and rearward slits to permit access to be had to the usual mattress handles or grips as shown at **31** in Figure 2. By preference these slits will be provided with suitable closure means. In Figures 1 to 4 inclusive the closure means takes the form of so-called Zippers **30**. In the modification shown in Figure 5 the slots will have marginal stitched-on-tapes **34** which may be overlapped and secured together by snap fasteners, buttons or the like **36**.

It may be pointed out that the slits or openings for mattress handles would be necessary only on covers used on large mattresses of the full, half and three-quarter sizes which are usually provided, as is known to facilitate handling and turning. Neither closure means or snap fasteners would be necessary on small lightweight pads and so-called mattresses for cribs, baby carriages, bassinets and so on.

The gist of the invention resides in a novel slip cover for mattresses, cushions and the like characterized by transparent flat top and bottom panels of requisite firmness and conformability adjustably joined around the marginal edges with elastic boxing means as herein both broadly and specifically comprehended.

A careful consideration of the foregoing description in conjunction with the invention as illustrated in the drawings will enable the reader to obtain a clear understanding and impression

of the alleged features of merit and novelty sufficient to clarify the construction of the invention as hereinafter claimed.

Minor changes in shape, size, materials and rearrangement of parts may be resorted to in actual practice so long as no departure is made from the invention as claimed.

Having described the invention, what is claimed as new, is:

In combination, a compressibly resilient mattress of a given size, a substantially flat top panel, a corresponding flat bottom panel underlying said top panel and disposed in normally spaced parallelism with said top panel, said panels being each rectangular in shape and of a size conformable in size with that of the top and bottom sides of said mattress, said panels being of transparent smooth surfaced moisture-proof pliant sheet material, and a relatively rectangular boxing at right angles to said panels and having upper and lower marginal edge portions corresponding with the cooperating marginal edge portions of said top and bottom panels and combining therewith and defining a box-like casing enveloping said mattress, said boxing being made of material which is rough finished woven elastic webbing and completely bordering the marginal edges of said panels, said webbing being sufficiently stiff in texture and yet yieldable to a degree that when said panels are moved in directions away from each other the webbing is placed under tension, and the upper and lower marginal edge portions of said boxing overlapping the cooperating and corresponding marginal edge portions of said top and bottom panels and being stitched thereto and reinforcing the over-all casing and also providing anti-slipping flanges which, in use, serve to assist in retaining bed clothing satisfactorily in place on the uppermost panel.

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