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(54) Cover layer intended for placing on the top of a water mattress

(57) Described is a cover layer (1) intended for placing on the top of a water mattress (6). The cover layer (1) comprises at least an upper layer (2) of flexible material which substantially covers the upper surface of a water mattress (6) and which is provided with coupling means (5,9) for releasable coupling of the upper layer to the top side of a water mattress (6). The cover layer (1) is characterized in that the upper layer (2) is provided with a flexible edge construction whereby during use of the water mattress the upper layer (2) remains substantially in the original situation relative to the underlying water mattress (6).

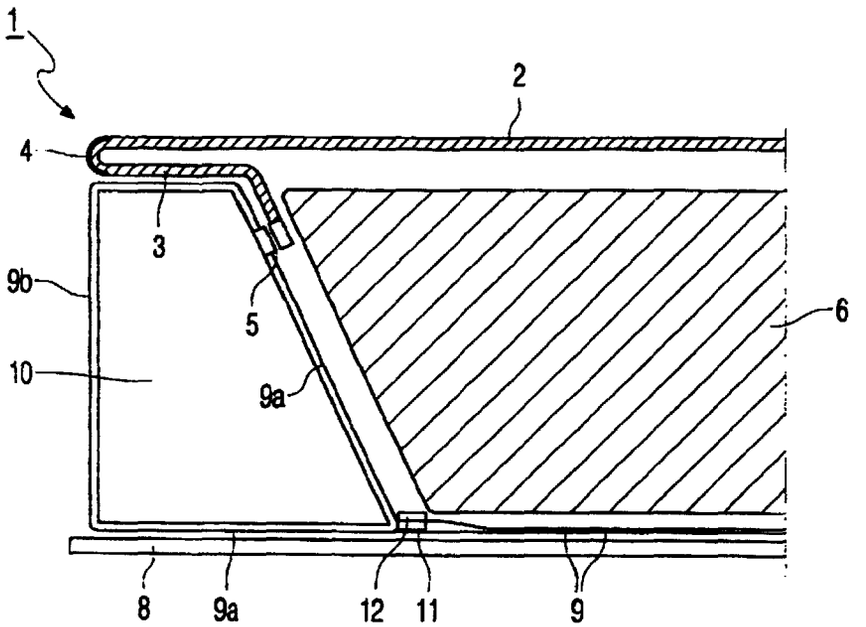


FIG. 1

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Description

[0001] The present invention relates to a cover layer intended for placing on the top of a water mattress, at least comprising an upper layer of flexible material which substantially covers the upper surface of a water mattress and which is provided with coupling means for releasable coupling of the upper layer to the top side of a water mattress.

[0002] The upper layer of such a cover layer normally comprises ticking with an outer layer of damask which is placed over a water mattress and which is provided with coupling means in the form of tucking strips which are arranged in a space between a water mattress and a surrounding holder therefor or round a holder for a water mattress.

[0003] A drawback to the known cover layer however is that the upper layer thereof shifts relative to the mattress during use of a water mattress, which can result for instance in the tucking strips coming loose. The known cover layer must therefore be rearranged repeatedly, making use thereof relatively inconvenient.

[0004] The present invention has for its object to obviate the above stated drawback and provides for this purpose a cover layer according to the preamble which is characterized in that the upper layer is provided with a flexible edge construction whereby during use of the water mattress the upper layer remains substantially in the original situation relative to the underlying water mattress.

[0005] Owing to the flexible edge construction the upper layer comes to lie as it were loosely on top of the water mattress, whereby the upper layer can follow temporary movements of the water mattress resulting from use thereof without the upper layer being permanently displaced and having to be repeatedly re-placed in the original position.

[0006] The flexible construction comprises in particular a strip which is provided on the underside of the upper layer along the periphery thereof and which is coupled to the coupling means, wherein the strip and the upper layer can move relative to each other.

[0007] Such a strip provides as it were an additional margin in the upper layer whereby temporary displacements of the upper layer resulting from use of the water mattress are offset so that the upper layer once again comes to lie in the original position after the temporary displacement. This also prevents tucking strips which may be present from coming loose.

[0008] In a preferred embodiment the upper layer is provided along the outer periphery thereof with folding members which hold the material of the upper layer in a folded position.

[0009] In this embodiment the upper layer is therefore held forcibly in a folded position, whereby the folded portion of the upper layer itself forms the above mentioned strip. The folding members are herein preferably formed by a piping stitched along the periphery.

[0010] The coupling means preferably comprise at least one zip fastener.

[0011] The flexible edge construction, or strip, is preferably provided herein on the outer end thereof with a first part of a zip fastener which can be coupled for instance to a second part of a zip fastener situated on a jacket round the holder around the water mattress. Another option is that the second part of a zip fastener can be provided with one or more tucking strips which can be arranged in a space between the water mattress and a surrounding holder therefor, or can be arranged around or in a surrounding holder.

[0012] The present invention will be further elucidated hereinbelow with reference to the annexed drawing, in which:

figure 1 shows a schematic cross-sectional view of a first embodiment of a cover layer according to the present invention; and

figure 2 shows a schematic cross-sectional view of a second embodiment of a cover layer according to the present invention.

[0013] The figures are purely schematic and not drawn to scale. Some dimensions in particular are highly exaggerated for the sake of clarity. The same reference numerals are used as far as possible for corresponding components in the different figures.

[0014] Figure 1 shows schematically a first embodiment of a cover layer 1 according to the present invention which is placed on the top side of a water mattress 6. This latter is placed on a base board 8 and is enclosed at the sides by a holder 10. In the shown embodiment holder 10 is formed by a number of edge elements which are positioned in a rectangle and which enclose a space into which a water mattress 6 can be placed.

[0015] Before the water bed is provided with a bottom sheet, the water mattress is covered by a cover element. Cover element 1 according to the present invention comprises an upper layer 2 of flexible material. This material is preferably ticking provided with a damask lining. Upper layer 2 is provided with a flexible edge construction comprising a strip 3 which is provided on the underside of upper layer 2 along the periphery thereof and which is coupled to coupling means 5. In the shown embodiment strip 3 is formed by the material of upper layer 2 being held forcibly in a folded position through use of a piping 4. It is of course also possible to manufacture the strip from the same or a different material and to connect it to upper layer 2. A similar S-bend will herein preferably always be applied. In the shown embodiment the coupling means comprise a zip fastener 5, wherein a first part of the zip is connected to strip 3 of the flexible edge construction and a second part of the zip is connected to a jacket 9 round holder 10. Typically situated under jacket 9, i.e. directly round an edge element of holder 10, is a sleeve (not shown) of

non-woven material. Jacket 9 is formed in the shown embodiment by two different materials, designated 9a and 9b, which in this embodiment comprise respectively a non-woven material and damask. The damask jacket is herein situated on the visible outer side of holder 10. In this embodiment the second part of zip 5 is coupled on one side to a damask jacket 9b and on the other side to a jacket 9a of non-woven material. It will be apparent that many other variations are possible in addition to the above stated material choice and arrangement. The transition between different materials of the jacket can be formed by stitched seams; another option is to use a piping. The part of jacket 9 situated on the underside of holder 10 is secured to base board 8 using a first fastening means 11, while the part of jacket 9 running along the sloping side of holder 10 is secured using a second fastening means 12 to first fastening means 11 and thereby to base board 8. In the shown embodiment fastening means 11, 12 comprise fixing slats. It is however also possible to employ other fastening means, such as for instance zip or velcro fastening means. In the shown embodiment the two layers of jacket 9 run through under the water mattress up to and around the opposite part of holder 10.

[0016] The use of a flexible edge construction comprising a strip 3 placed on the underside of upper layer 2 along the periphery thereof provides a kind of additional margin for upper layer 2, and upper layer 2 comes to lie as it were loosely on top of water mattress 6. Temporary displacements of upper layer 2 are offset by this additional margin so that upper layer 2 once again comes to lie in the original position after the temporary displacement. Upper layer 2 can hereby follow temporary movements of water mattress 6 resulting from the use thereof.

[0017] Figure 2 shows a second embodiment of the cover layer 1 according to the present invention, wherein the second part of zip fastener 5 is coupled to the jacket 9 which is arranged in the space between holder 10 and water mattress 6 and is coupled to holder 10. In the shown embodiment the edge elements of holder 10 are embodied in two parts 10A and 10B and a part of the jacket is situated between these two parts 10A and 10B. Once again a part of jacket 9a is embodied in a non-woven material, while another part of jacket 9b is embodied in damask. Using fastening members 11, 12 the respective jacket parts 9 are secured to base board 8. It is also possible to not allow the part of jacket 9 arranged on the outside round holder 10 and between parts 10A and 10B to run through below water mattress 6 but to embody this part as a tucking strip with an outer end arranged up to a position in front of fastening members 11, 12 in the space between parts 10A and 10B.

[0018] Although the invention is further elucidated in the foregoing with reference to only a few embodiments, it will be apparent that the invention is in no way limited to the given examples.

Claims

1. Cover layer (1) intended for placing on the top of a water mattress (6), at least comprising an upper layer (2) of flexible material which substantially covers the upper surface of a water mattress (6) and which is provided with coupling means (5,9) for releasable coupling of the upper layer to the top side of a water mattress (6), **characterized in that** the upper layer (2) is provided with a flexible edge construction whereby during use of the water mattress the upper layer (2) remains substantially in the original situation relative to the underlying water mattress (6).

2. Cover layer (1) as claimed in claim 1, **characterized in that** the flexible construction comprises a strip (3) which is provided on the underside of the upper layer (2) along the periphery thereof and which is coupled to the coupling means (5), wherein the strip (3) and the upper layer (2) can move relative to each other.

3. Cover layer (1) as claimed in claim 1 or 2, **characterized in that** the upper layer (2) is provided along the outer periphery thereof with folding members (4) which hold the material of the upper layer (2) in a folded position.

4. Cover layer (1) as claimed in one or more of the claims 1-3, **characterized in that** the coupling means comprise at least one zip fastener (5).

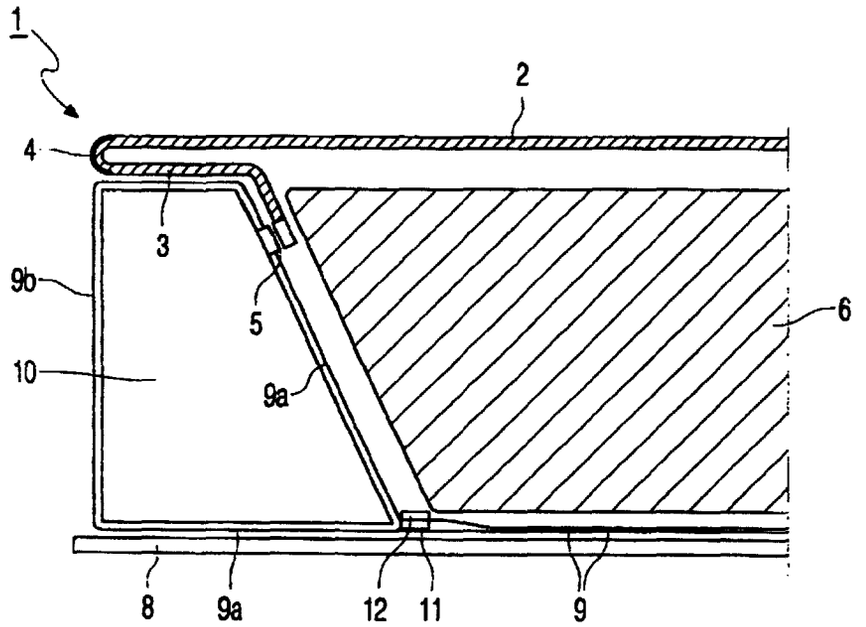


FIG. 1

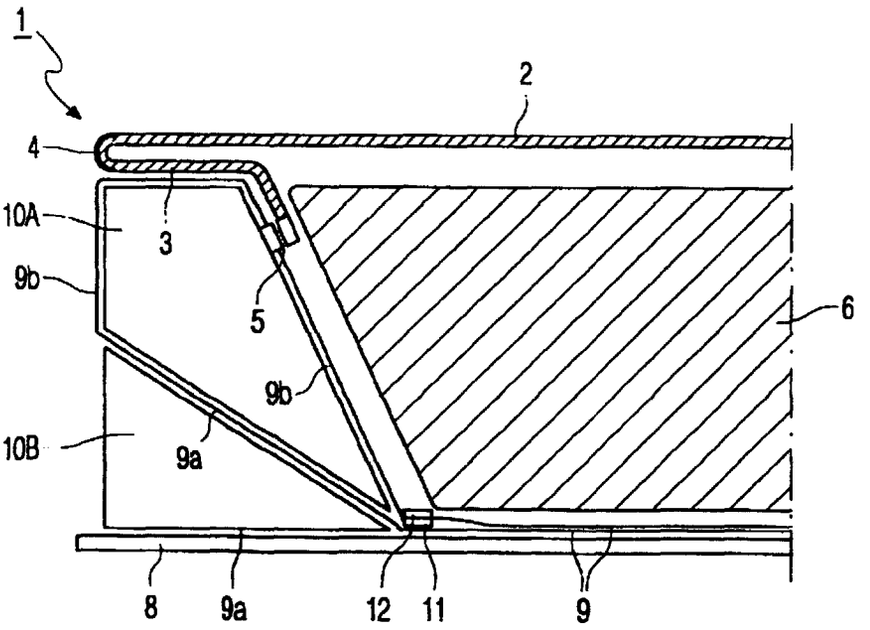


FIG. 2