

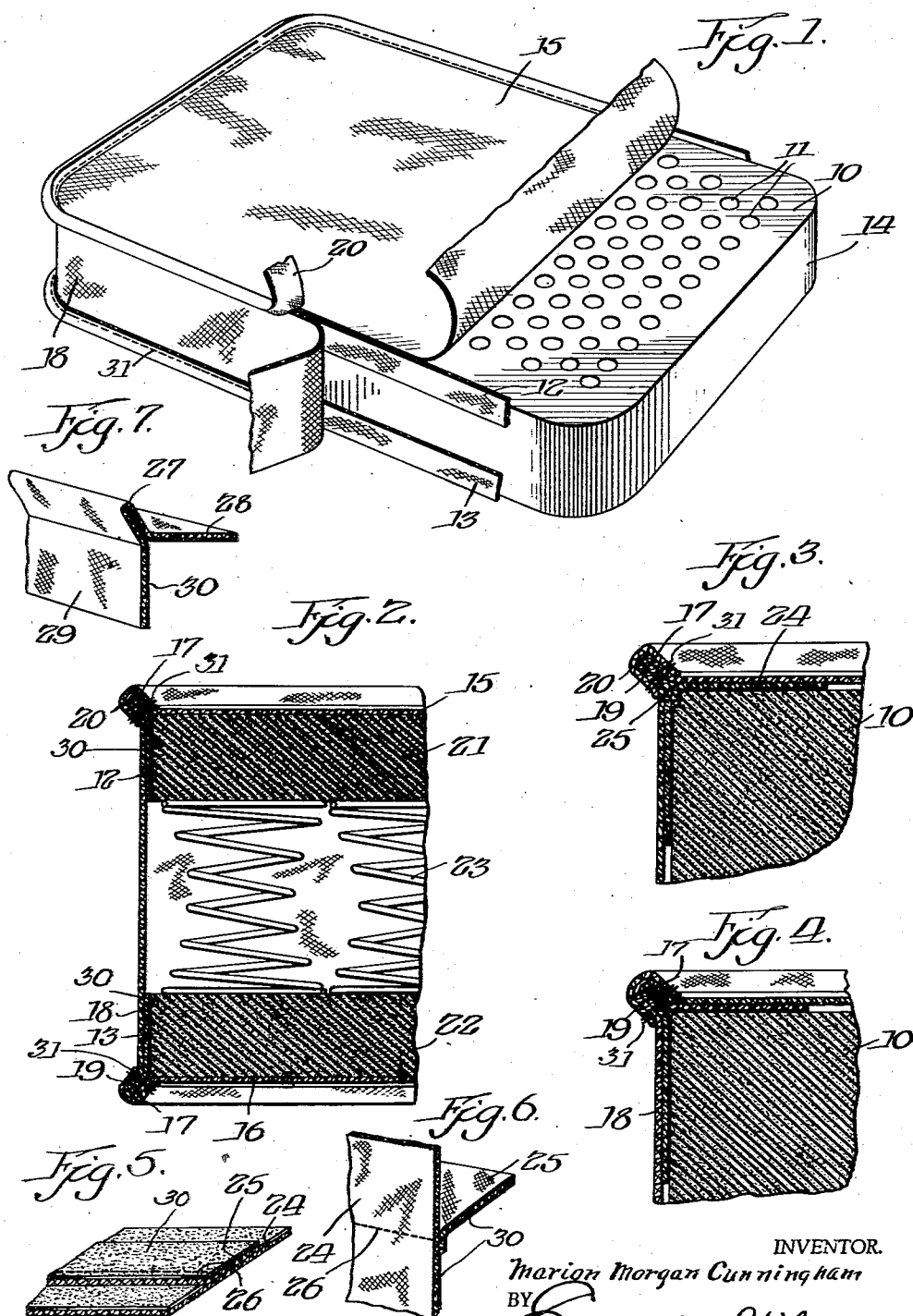
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MATTRESS COVERING

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MATTRESS COVERING

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6 Claims. (Cl. 5-345)

This invention relates to the construction of mattresses, cushions and similar articles, and more particularly to the anchoring of coverings to mattresses having rubber body portions.

In ordinary mattresses, the covering material is usually secured to the body of the mattress by tufting. This prevents the cover from slipping and presenting a poor appearance. In the absence of tufting, it is desirable to provide some other method of positively anchoring the cover to the mattress.

It is therefore an object of the present invention to provide a new and improved type of construction in which the covering over a rubber mattress or cushion is firmly secured in place.

It is another object to provide a rubber mattress construction in which the covering material is taut and is anchored to the rubber surface of the mattress in this condition.

It is a further object to provide a rubber mattress construction wherein the covering material may be easily and accurately aligned on the mattress.

It is another object to provide a rubber mattress construction in which the cover may be stitched together and secured to the body portion in a single operation.

These and other objects not specifically enumerated are contemplated for this invention, as will be apparent to one skilled in the art as the following description proceeds.

In the drawing—

Figure 1 is a perspective view of a rubber mattress embodying the present invention with the covering partly removed;

Figure 2 is a fragmentary vertical section of an inner spring mattress embodying the invention;

Figure 3 is a fragmentary vertical section of a modification of the invention;

Figure 4 is a fragmentary vertical section of another modification;

Figure 5 is an enlarged fragmentary perspective view of the tape used in the modification shown in Figure 3;

Figure 6 is another fragmentary perspective view of the tape shown in Figure 5; and

Figure 7 is an enlarged perspective view of the tape shown in Figure 4.

Referring to the drawing, the body portion 10 of the mattress shown in Figure 1 is made of rubber, such as foam sponge rubber or the like, which is provided with openings 11 for ventilation and construction purposes. Strips of tape 12 and 13, made of fabric or other suitable mate-

rial, are secured to the side wall 14 of the mattress and extend beyond it. These tapes are made of fabric and extend all the way around the upper and lower margins of the side wall. The tape may be of any desired width, and the size of the mattress, the weight of the covering material, the type of binding and other factors may be taken into consideration in selecting a suitable width. By way of illustration, tape one inch wide may be applied; three-quarters of an inch may be in direct contact with the side wall and one-quarter inch projecting beyond the wall.

The tape is cemented to the rubber surface of the side wall with any suitable adhesive which will make a firm and durable bond between the tape and the rubber surface of the mattress. The tape may have been previously coated with cement to which gasoline or other solvent may be applied prior to attaching it, or the cement may be applied to the tape just prior to attaching it to the mattress.

The covering material comprises a top portion 15 and a corresponding lower portion 16. These pieces are cut slightly larger than the corresponding surfaces of the mattress, providing margins 17 which may be secured to tapes 12 and 13. A side portion 18 is similarly provided with margins 19 at the top and bottom. A finishing strip or binding 20 is applied to these margins which are secured to the tape.

In Figure 2 a cross-section is shown of the invention as applied to an inner spring mattress. Rubber pads 21 and 22 are placed on each side of the springs 23, and the tape is applied to the pads in the same manner as described in connection with Figure 1. The finishing strip 20 may be applied at the same time the margins 17 and 19 are being stitched to tapes 12 and 13. The stitches 31 pass through the edges of the finishing strip as well as the margins of the covering material and the tapes.

Where it is desirable to have a greater area of the mattress covered by tape and thereby have a more positive anchorage of the covering material to the rubber mattress, the tape may be applied to the edges of the top and bottom as well as the side wall of the mattress. In order to provide a single projecting portion of tape to which the cover may be secured, two pieces of tape may be sewn together as shown in Figure 5.

To a relatively wide strip of tape 24, a narrower strip 25 is sewn, as shown at 26. For example, the wide tape made be four inches and the narrower one inch. They may be sewn in such a manner that the one inch tape lies flat

on the four inch strip; in this position an adhesive 30 may be applied to the top surfaces of both tapes, or if the tapes have been previously coated with cement, they will be sewn together with the cement side up. In Figure 3 the tapes are shown as cemented to the top and side of a rubber mattress. Figure 3 shows the finishing strip and cover material secured to the tape in the same manner as described in connection with Figure 1.

In this type of construction, the narrow tape is sewn to the wide strip at an established distance from the attaching edge of the wide strip, and the resulting seam may be used as a guide line which facilitates the alignment of the tape on the mattress. Also where the strips are sewn together in this manner, they may be rolled up flat, thereby simplifying the handling and application of the tape.

The modification shown in Figures 4 and 7 is similar to that shown in Figure 3, in that the tape is applied to adjacent surfaces of the rubber mattress. In this instance a single strip of tape has an adhesive applied to one surface and is folded down the center. The central portions adhere together, forming a unitary projecting portion 27 to which the cover may be secured, and two marginal portions 28 and 29 which may be cemented to the edges of the top and side of a rubber mattress, as previously described.

This invention of course may be applied to only one edge of the mattress instead of both the top and bottom edges as described, and similarly the tape may be applied to portions of the edge instead of encircling the entire mattress.

While the term "mattress" has been used in describing this invention, it is to be understood that cushions and other upholstered articles are included in this expression.

In covering these mattresses after the tape has been applied, it is desirable to slightly compress the mattress transversely and longitudinally while stitching the cover to the tape; consequently when the compression is released the cover is under slight tension, which tends to keep it smooth and free from wrinkles.

It is to be understood that the invention is not limited to the exact embodiments shown which are merely by way of illustration, and other forms of the device will be apparent to those skilled in the art without departing from the spirit of the invention or the scope of the claims.

What is claimed is:

1. A mattress or the like of the class described comprising a body of rubber or the like in a cover of flexible material, said body being formed with a corner nested in a corner of the cover, and an

attaching strip of corner form interposed between the body and cover and having at its corner an extension to which the cover is secured and said strip having portions thereof at opposite sides of its corner adhesively secured to exterior faces of the body.

2. A mattress or the like of the class described comprising a body of rubber or the like in a cover of flexible material, said body being formed with a corner nested in a corner of the cover, and attaching means interposed between the body and cover at the corners thereof and comprising two strips of fabric joined together approximately along the corner of the body and adhesively secured respectively to exterior faces of the body at the opposite sides of its corner, one of said fabric strips being extended outwardly from the corner of the body and secured to the cover.

3. In a mattress or the like, a body of spongy rubber material or the like, a cover attaching strip adhesively secured to an exterior surface of said body along the margins thereof, said strip having a portion extending beyond the said margins, and a cover over said body and secured to said extended portion of said strip.

4. In a mattress or the like, a body of spongy rubber material or the like, cover attaching means secured to an exterior surface of said body along the margins thereof, said means including flaps extending beyond said margins, and a cover over said body and comprising panels of flexible material covering the respective faces of said body, said panels being secured at their margins to said flaps.

5. In a mattress or the like, a body of spongy rubber material or the like, cover attaching strips adhesively secured to an exterior surface of said body along the margins thereof, said strips having a portion extending beyond the said margins, and a cover over said body and comprising panels of flexible material covering the respective faces of said body, said panels being secured at their margins to said extended portion of said strips.

6. In a mattress or the like, a body of spongy rubber material or the like, cover attaching strips adhesively secured to an exterior surface of said body along the margins thereof, said strips having a portion extending beyond the said margins, a cover over said body and comprising panels of flexible material covering the respective faces of said body, said panels being secured at their margins to said extended portion of said strips, and a finishing strip secured over said extended portion and attached marginal portions of said panels.

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DISCLAIMER

2,326,441.—*Marion Morgan Cunningham*, South Bend, Ind. MATTRESS COVERING.
Patent dated August 10, 1943. Disclaimer filed March 16, 1944, by the
assignee, *Mishawaka Rubber & Woolen Manufacturing Company*.
Hereby enters this disclaimer to claims 3, 4, 5, and 6 of said patent.
[*Official Gazette April 18, 1944.*]