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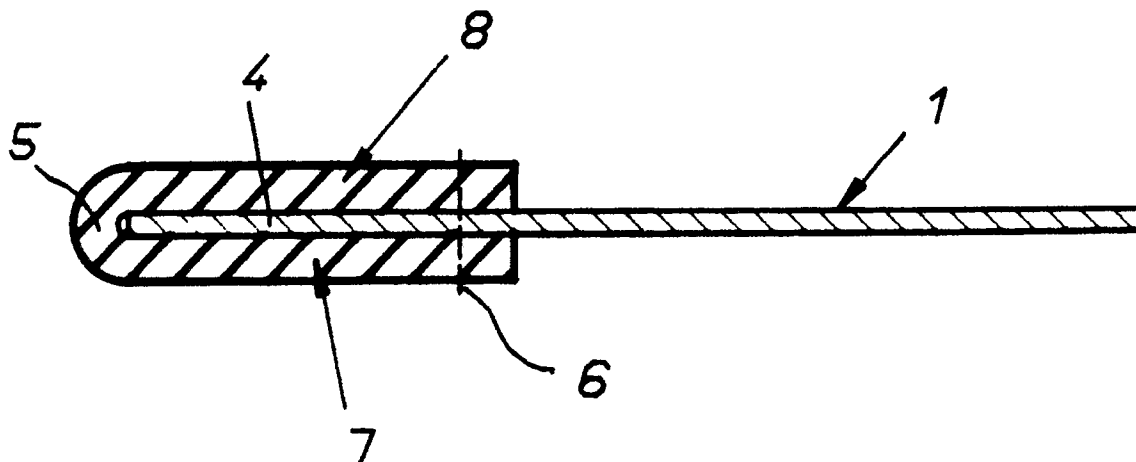
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(54) **Fitted sheet.**

(57) Fitted sheet, characterised in that it is hemmed by means of at least one band shaped elastic (5) folded in U-shape around the edge (4) of the fitted

sheet (1).

Fig. 2



FITTED SHEET.

This invention relates to a fitted sheet, in other words a sheet that is provided with an elastic on its edge, such to hold the sheet in place around a mattress.

It is known that with such fitted sheets the sheet is sewn shut in a loop shape along the edge whereby a relatively thin elastic is installed in the formed loop. It is also known that with such fitted sheets a narrow uncovered elastic is gathered up. These known embodiments show the disadvantage that, as a result of the small tension of such elastic, the fitted sheet does not always remain in place and easily creeps back over the longest side of the mattress.

An obvious solution to the aforementioned problem consists in that a heavier and more powerful flat elastic is sewn into the edge of the fitted sheet. This solution also has the disadvantage that a larger loop has to be formed on the edge of the sheet, through which the fitted sheet becomes more expensive.

Other disadvantages connected to this consist in that such a wide elastic is more difficult to sew in and that after a time it twists in the loop shaped location.

All embodiments known up until now furthermore show the disadvantage that the loop shaped hem must be formed with a finished seam for aesthetic reasons. They also show the disadvantage that the seams formed in the corners easily come loose from the elastic and tear open further.

From FR 2.506.590 is known that a fitted sheet can be hemmed by means of a flat elastic band. In use such a fitted sheet shows the disadvantage that the elastic band twists.

From US 4.682.379 a fitted sheet is known of the type that is intended only to cover the top and the side edge of a mattress. Such fitted sheet has the disadvantage that it easily comes loose. According to this American patent there is an elastic band on the shorter side of the sheet, with which the sheet is attached to an underlay. In use the sheet is held in place by the stiffness of the underlay, without the elastic contributing to this.

The present invention relates to a fitted sheet that does not show the aforementioned disadvantages.

For this purpose the invention concerns a fitted sheet of the type that is intended to be folded over through 180 degrees, with as characteristic that it is principally hemmed around its entire periphery by means of at least one band shaped elastic folded in U-shape around the edge of the fitted sheet. The elastic is preferably folded over equally far along both sides and is sewn down by means of at least

one seam through both folded over parts and the fitted sheet contained there between.

In a preferred embodiment the elastic is bent over along its longitudinal edges. This offers the advantage that the elastic cannot tear or unravel.

Because the elastic is folded double a particularly strong structure is obtained, whereby the elastic cannot twist. The installation of the elastic can be effected in a particularly economic manner because the time-consuming occupation of the formation of a loop shaped hem and the installation of the elastic herein is hereby entirely excluded.

Because the edge of the sheet is sewn into the elastic the seams in the corners cannot easily come loose.

In order to show better the characteristics according to the present invention, a preferred embodiment is described hereafter, as example without any restrictive character, with reference to the enclosed drawings, in which:

figure 1 shows in bottom view a fitted sheet according to the invention;

figure 2 shows on larger scale a section according to line II-II in figure 1;

figure 3 shows on larger scale a section of a variant.

As known a fitted sheet 1 consists of a sheet that is provided with folded over parts 2 on its periphery, which are attached to each other by means of seams 3 fitting in the corners.

The particularity of the present invention consists in that, as shown in figure 2, the fitted sheet 1 is hemmed by means of a band shaped elastic 5 folded in U-shape around the edge 4 of the fitted sheet 1. The elastic 5 extends along the entire periphery of the fitted sheet 1.

The elastic 5 is preferably folded over equally far along both sides.

The band shaped elastic 5 is preferably sewn down by means of at least one seam 6 through both folded over parts 7 and 8 and the fitted sheet 1 contained there between.

It is clear that the edge 4 can be provided with a hem or similar prior to the installation of the elastic 5.

It is also clear that two or more band shaped elastics can also be sewn over each other.

Of course if desired another covering can still be installed around the band shaped elastic 5.

According to a variant the elastic 5 can be folded over inward along at least one longitudinal edge.

Figure 3 shows an embodiment whereby the elastic along both longitudinal edges is folded over inward and is connected to the fitted sheet 1 by

means of one seam 6 through the folded over parts 7 and 8. The parts 9 and 10 folded over inward preferably extend over the entire length of the sides of the U-shape.

The present invention is in no way restricted to the embodiment described as example and shown in the attached drawings, but such fitted sheet can be implemented in various embodiments, without departing from the scope of the present invention.

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Claims

1.- Fitted sheet of the type that is intended to be folded over through 180 degrees, characterised in that it is principally hemmed around its entire periphery by means of at least one band shaped elastic (5) folded in U-shape around the edge (4) of the fitted sheet (1).

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2.- Fitted sheet according to claim 1, characterised in that the elastic (5) is folded over equally far along both sides.

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3.- Fitted sheet according to claim 1 or 2, characterised in that the elastic (5) is folded over inward at least along one longitudinal edge.

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4.- Fitted sheet according to claim 3, characterised in that the elastic (5) is folded over inward along both of its longitudinal edges.

5.- Fitted sheet according to one of the preceding claims, characterised in that the elastic (5) is sewn down by means of at least one seam (6) through both folded over parts (7, 8) of the elastic (5) as well as through the fitted sheet (1) contained there between.

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6.- Fitted sheet according to one of the preceding claims, characterised in that the sheet (1) is hemmed between the elastic (5).

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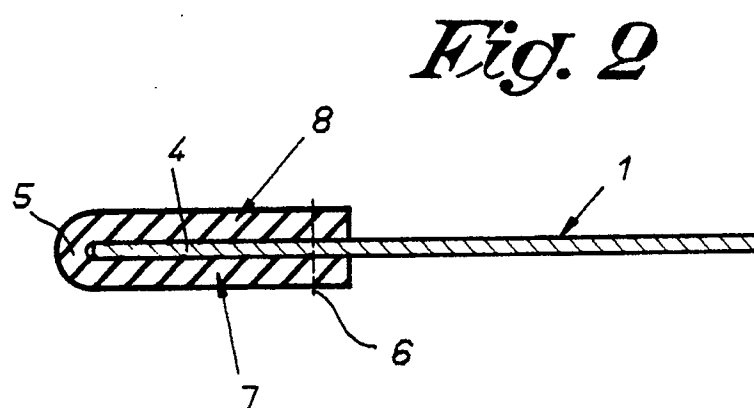
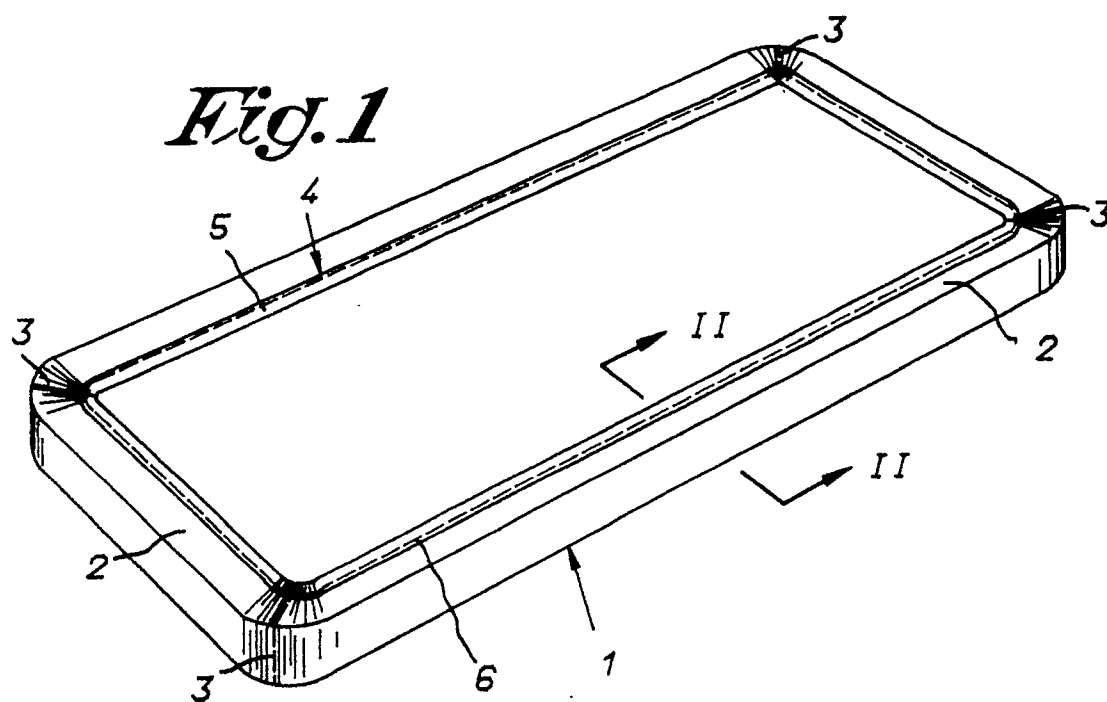
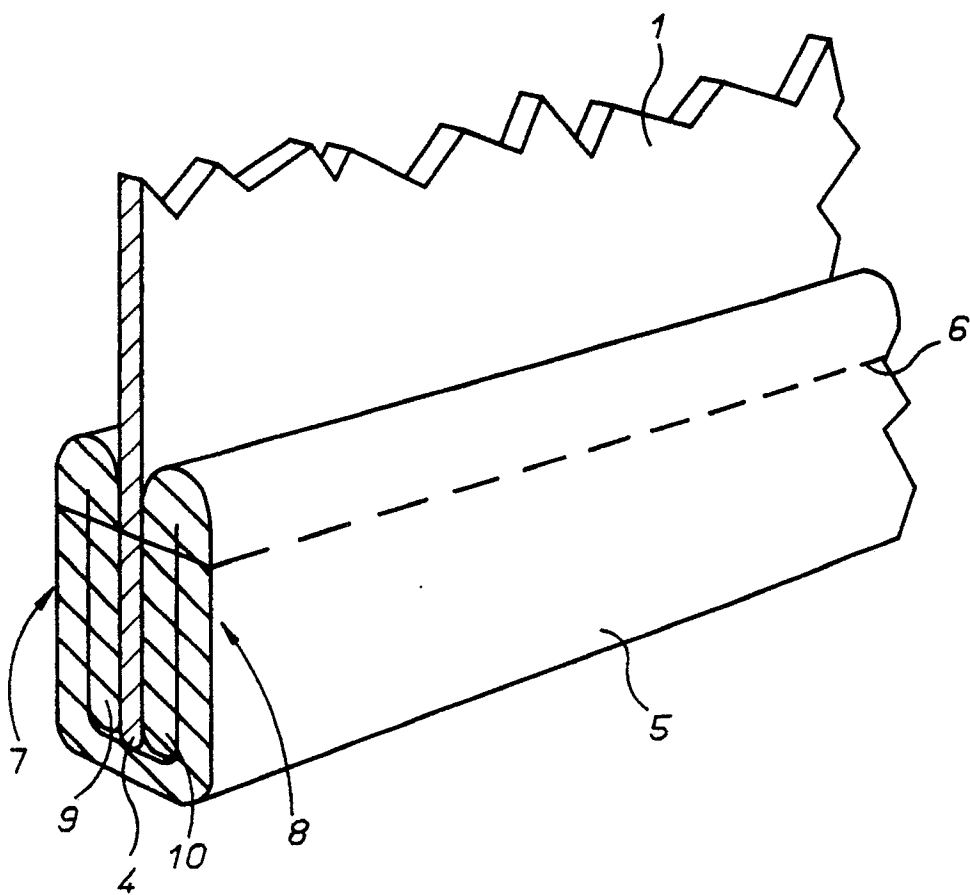


Fig. 3





European
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EUROPEAN SEARCH REPORT

Application Number

EP 90 87 0194

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Y,D	US-A-4 682 379 (DUGAN) * column 3, lines 35 - 39; figure 3 * - - -	1,2,5,6	A 47 G 9/02
Y,D	FR-A-2 506 590 (MAURICE DUHAMEL) * figure 1 * - - -	1,2,5,6	
A	US-A-3 181 179 (RODDEY) * column 3, lines 38 - 42; figures 4, 5 * - - - - -	1,3,4	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			A 47 G
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of search 23 January 91	Examiner BEUGELING G.L.H.
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document			