May 5, 1953 E. M. KROMER ET AL 2,637,049

SHEET

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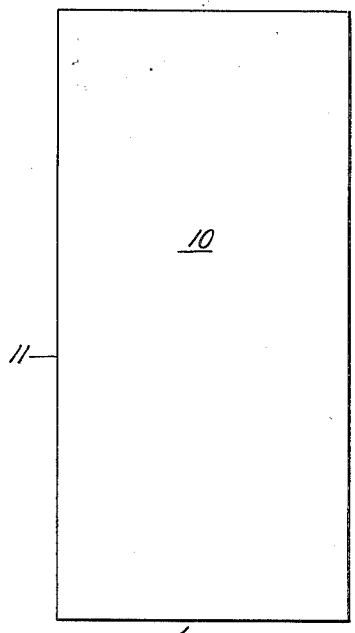


Fig. 1.

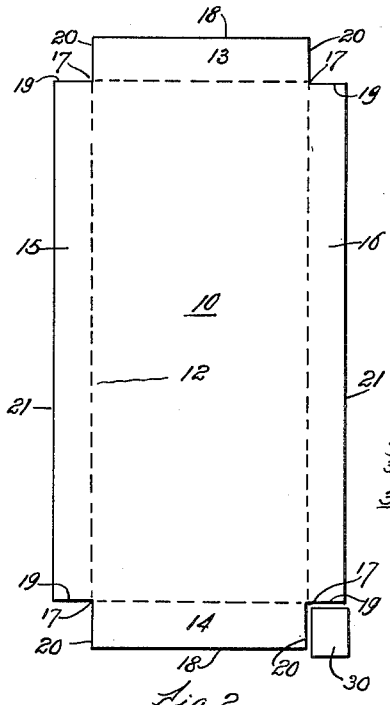


Fig. 2.

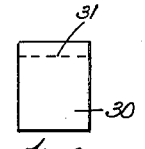


Fig 3

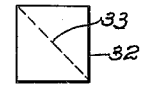


Fig 4.

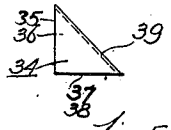


Fig. 5.

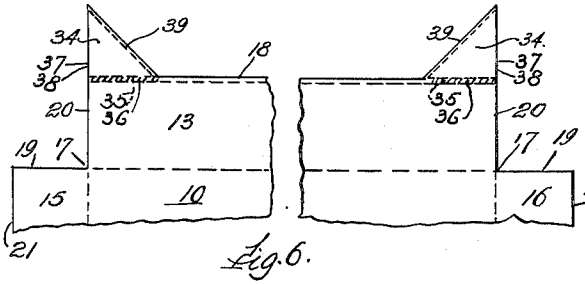


Fig. 6.

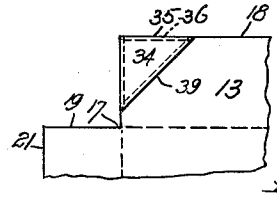


Fig 7.

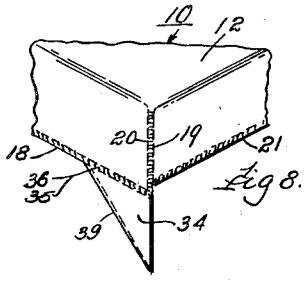


Fig 8.

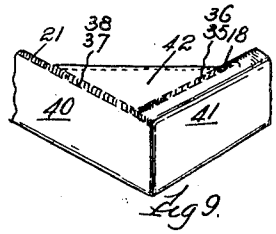


Fig 9.

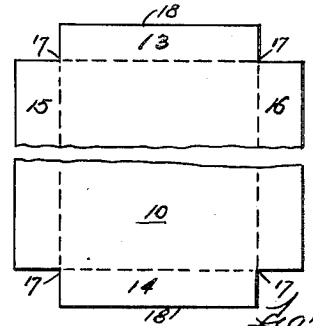


Fig 11

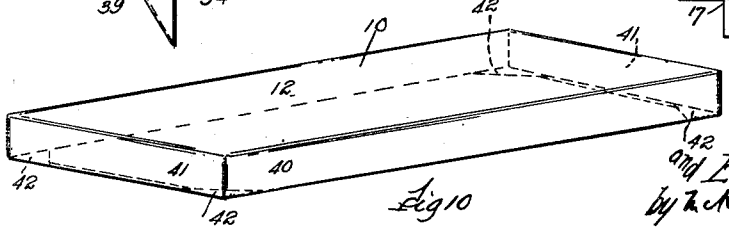


Fig 10

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UNITED STATES PATENT OFFICE

2,637,049

SHEET

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Chicago, Ill.

Application April 26, 1949, Serial No. 89,594

1 Claim. (Cl. 5—354)

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This invention relates to sheets adapted to be fitted to a mattress to prevent accidental displacement therefrom, the lower sheet being attached to the four corners of a mattress, and the upper sheet to the lower two corners of a mattress.

Among the objects of our invention is to provide both upper and lower sheets havng pockets for secure attachment to a mattress to prevent unauthorized withdrawal therefrom. Our sheets protect the young and the infirm from entanglement or exposure. Our sheets also insure smooth sheets through accurate placement. Great saving of time and effort is accomplished with use of our sheets. They may be more quickly placed in position on a bed, and removed, by even the most inexperienced help. Our sheets are ideal for hotels or institutions where there are hundreds of beds to be made and changed and where help is difficult to obtain, or limited.

Our sheets are lasting in wear and efficient in operation and have such other objects, advantages and capabilities as will later more fully appear and which are inherently possessed by our invention.

While we have shown in the accompanying drawings a preferred embodiment of our invention, yet it is to be understood that the same are susceptible of modification and change without departing from the spirit of our invention.

Referring to the drawings, Fig. 1 is a top plan view of a blank from which my sheet is cut; Fig. 2 is a top plan view of the blank with the corners cut out; Fig. 3 is an enlarged detailed top plan view of one of the cut out corners; Fig. 4 is a top plan view of the square formed from a cut out corner; Fig. 5 is a top plan view of our triangular member; Fig. 6 is a top plan detailed view showing the first attachment of the triangular member; Fig. 7 is a detailed view showing the triangular member folded over for sewing; Figs. 8 and 9 are perspective views of the production pocket; Fig. 10 is a perspective view of a finished sheet and Fig. 11 is a blank with modified corner proportions.

The embodiment selected to illustrate our invention comprises a sheet 10 formed from an oblong blank 11 as shown in Fig. 1, cut to form a body portion 12, end portions 13 and 14 and side portions 15 and 16 extending beyond body portion 12. The cut out corners 17 in this form, as shown in Fig. 2, leave side portions 15 and 16 short of end portions 13 and 14.

As shown in Fig. 2, each of the end portions 13 and 14 has a horizontal outer edge 18 parallel

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to horizontal ends 19 of side portions 15 and 16. Each of end portions 13 and 14 has opposite longitudinal outer edges 20 parallel to longitudinal edges 21 of side portions 15 and 16.

In the embodiment shown in Fig. 2, longitudinal outer edges 20 are slightly longer than horizontal ends 19 so that cut out corners 17 are oblong rather than square.

The material cut out in forming each corner 17 is shown as 30 in its oblong form in Fig. 3. This oblong 30 is cut along line 31 to form the square 32 shown in Fig. 4. This square 32 is folded on itself on diagonal line 33 to form triangular shaped member 34 as shown in Fig. 5, with parallel open edges 35 and 36 at right angles to parallel open edges 37 and 38 and closed diagonal edge 39.

Taking one corner of our sheet for illustration, edge 19 is moved into contact with edge 20 as far as edge 19 can go and sewed together. The triangular member 34 is positioned so that its open edges 35 and 36 are in contact with outer edge 18 and sewed together and so that its open edges 37 and 38 are in contact with and sewed to longitudinal edge 21. This forms a pocket with side wall 40, a front or rear wall 41 with a slightly inwardly curving lower portion, and a bottom anchoring portion 42.

The bottom anchoring portion 42 is formed of fabric cut on the bias and has elastic characteristics for fitting our sheet on the mattress and removing it therefrom. It also being of double thickness has greater strength and longer life.

For the lower sheet to be used on a bed, each of the four corners of our construction is similarly sewed. The result is a sheet having four pockets at each of the four corners. For the upper sheet, only the lower two corners are sewed as heretofore set forth. The upper portion of the sheet has conventional corners.

In use our device is easily and readily installed by slipping one of the corners around the corner of a mattress. The side walls grip the side of the mattress, and the front and rear walls being slightly curved at their bottom portions grip more closely the front and rear walls of the mattress. The bottom anchoring portion lies against the bottom corner of the mattress. The other corners are likewise placed in position on the mattress. The sheet is securely locked in position, and cannot be accidentally pulled out of position to become entangled with and strangle the sleeper. Our sheet is unusually smooth and wrinkle-proof in position. When used as a top sheet, it cannot easily pull out, as

is the case with conventional sheets. Our sheet may be easily and readily placed in position, removed and replaced. The saving of time and labor in making beds for home use and in hotels and institutions is substantial. Uniformity of excellence in bed making is assured with our sheet.

In the embodiment shown in Fig. 2, the end portions 13 and 14 are in actual practice about an inch longer than side portions 15 and 16. This is the preferred form for a sheet for a small baby's bed. For full length sheets we prefer the embodiment shown in Fig. 11 in which the side portions 15 and 16 are longer substantially by one inch than end portions 13 and 14.

Having thus described our invention, we claim:

A fabric box sheet for use with a mattress having side and end faces and a bottom, said sheet comprising a rectangular central panel, a pair of parallel rectangular corresponding end portions and a pair of parallel rectangular corresponding side portions, all of said portions integral with said central panel, and extending beyond said central panel, one pair of said parallel rectangular portions extending slightly further beyond said central panel than the other

pair and providing a surplus, each of said side portions stitched to an adjacent end portion, and a plurality of doubly folded triangular members of the same material as the central panel, each triangular member attached to a side portion and to an adjacent end portion forming a box like closed anchoring portion, whereby the anchoring portions may removably engage the bottom and corners of the mattress and one pair of said parallel rectangular portions may engage only opposite faces of the mattress while the extended pair of parallel rectangular portions may engage other opposite faces of the mattress and the surplus may curve slightly under the bottom of the mattress for the full extent of said last named faces of the mattress.

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EDWARD L. KROMER.

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