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M. BECHIK

2,500,336

MATTRESS HANDLE CONSTRUCTION

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Fig. 1

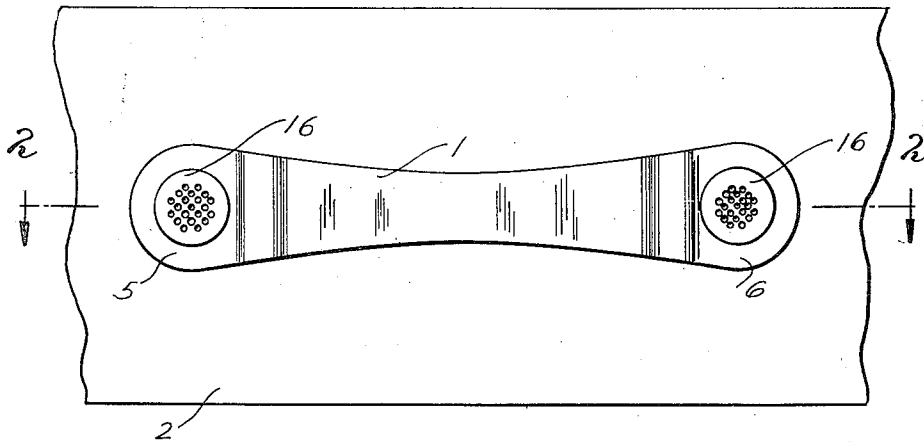


Fig. 2

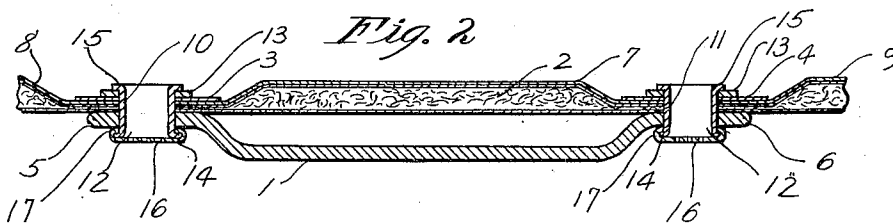
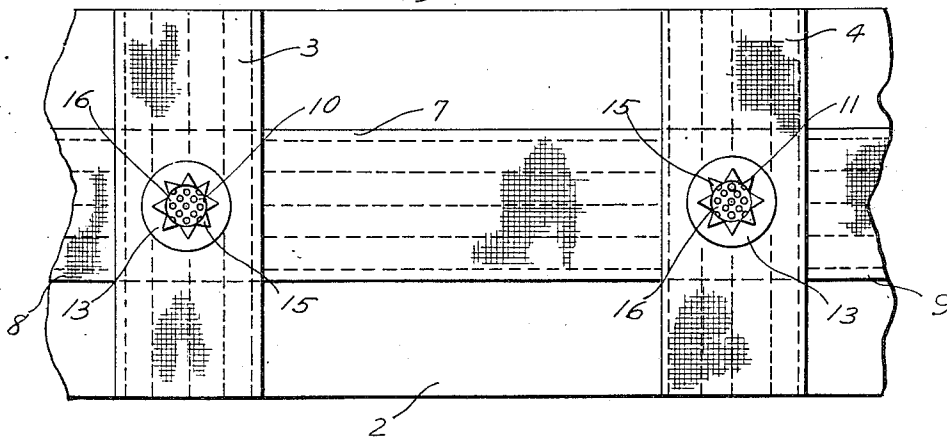


Fig. 3



Inventor
Michael Bechik
By his Attorney
Merchant & Merchant

UNITED STATES PATENT OFFICE

2,500,336

MATTRESS HANDLE CONSTRUCTION

Michael Bechik, St. Paul, Minn., assignor to
Bechik Products, Inc., St. Paul, Minn., a cor-
poration of Minnesota

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1 Claim. (Cl. 5—345)

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My invention relates to mattress handles and is in the nature of an improvement upon handles of the type not utilizing reinforcing back bars. Generally speaking, back bars are of two types, to wit: the rigid back bar, such as illustrated in my earlier Patent No. 2,011,747 and the resilient back bar such as disclosed in my Patents Nos. 2,105,580 and 2,248,328.

The primary object of my invention, wherein a rigid hand grip or handle is attached at its opposite ends to the outside of the mattress wall or boxing, is to provide novel means on the inside of the mattress wall (without use of any back bar) for distributing the stress sufficiently to obviate undue stretching or tearing of the mattress wall when the handle is lifted.

Another object of my invention is the provision of durable and economic means for accomplishing the above object.

The above and still further objects of my invention will become apparent from the following detailed specification, appended claims and attached drawings.

Referring to the drawings in which like characters indicate like parts throughout the several views:

Fig. 1 is an outside plan view of a section of mattress wall having my novel handle incorporated therein;

Fig. 2 is a horizontal axial section taken on the line 2—2 of Fig. 1; and

Fig. 3 is a plan view taken from the inside of the mattress and illustrating my novel construction.

Referring more specifically to the drawings, the numeral 1 indicates an elongated handle or hand grip member which, while preferably having some little resilience, is relatively rigid with respect to the mattress wall or boxing 2 to which it is secured. While plastic materials are ideally suited for the construction of handles 1, they obviously can be made satisfactorily from many different types of metals or even wood.

On the inside of the mattress wall, a pair of vertically-disposed laterally-spaced reinforcing elements 3 and 4, preferably made of fabric material, such as is commonly known in the mattress industry as "webbing," is stitched or otherwise secured at a plurality of points to the back of the mattress wall in positions immediately back of the opposite ends 5 and 6 of the handle 1.

Also secured by stitching or the like to the inside of the mattress wall is a horizontally-disposed reinforcing strip 7, also preferably in the nature of a piece of fabric webbing. Reinforc-

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ing element 7 extends parallel to handle 1 and is located on the opposite side of wall 2 from handle 1. Also shown in Fig. 3, reinforcing element 7 is of greater length than handle 1 and has its opposite ends 8 and 9 extending horizontally outwardly beyond the reinforcing strips 3 and 4.

The opposite ends 5 and 6 of handle 1 are provided with circular openings 10 and 11, respectively, which extend therethrough.

Handle member 1 may be secured to the mattress wall or boxing 2 and to the reinforcing elements 3, 4 and 7 by any suitable means, but preferably, and as shown, this is accomplished by grommets 12 which extend through the openings 10 and 11 in the opposite ends of handle 1 and also through openings in the mattress wall and reinforcing elements 3, 4 and 7 and through washers 13.

Referring specifically to Fig. 2, it will be seen that the outer ends of grommets 12 have radially-outwardly-projecting flanges 14, whereas the inner ends are flared outwardly at 15 to provide a radially-projecting flange which immediately overlies the washers 13. The outer ends of grommets 12 are provided with perforated face plates 16 which are secured to flanges 14 by rolling the extreme outer edge thereof over the same as indicated at 17.

In accordance with the patent statutes, I have described the principles of construction and operation of my mattress handle; and while I have endeavored to set forth the best embodiments thereof, I desire to have it understood that this is only illustrative of a means of carrying out my invention, and that obvious changes may be made within the scope of the following claim without departing from the spirit of my invention.

What I claim is:

40 In a device of the class described, an elongated mattress wall, laterally-spaced vertically-disposed fabric reinforcing strips stitched to the inside of the mattress wall and extending for substantially the height of said wall, a horizontally-disposed fabric reinforcing strip stitched to the inside of said mattress wall midway between the upper and lower edges thereof, said horizontally-disposed strip connecting the vertically-disposed strips and extending in opposite direction therebeyond, a relatively rigid horizontally-disposed elongated handle overlying the outside of the mattress wall midway between the upper and lower edges thereof, grommets secured to the opposite ends of said handle and extending through said mattress wall, said horizontally-disposed re-

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inforcing strip, and one each through said vertically-disposed reinforcing strips, and anchoring means on the inner ends of said grommets.

MICHAEL BECHIK.

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