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2,879,523

MATTRESS CONSTRUCTION

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Fig. 1

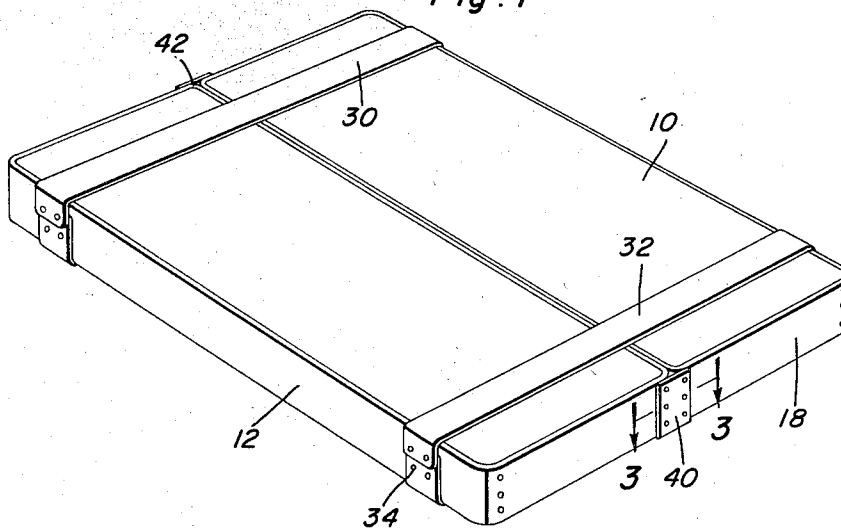


Fig. 2

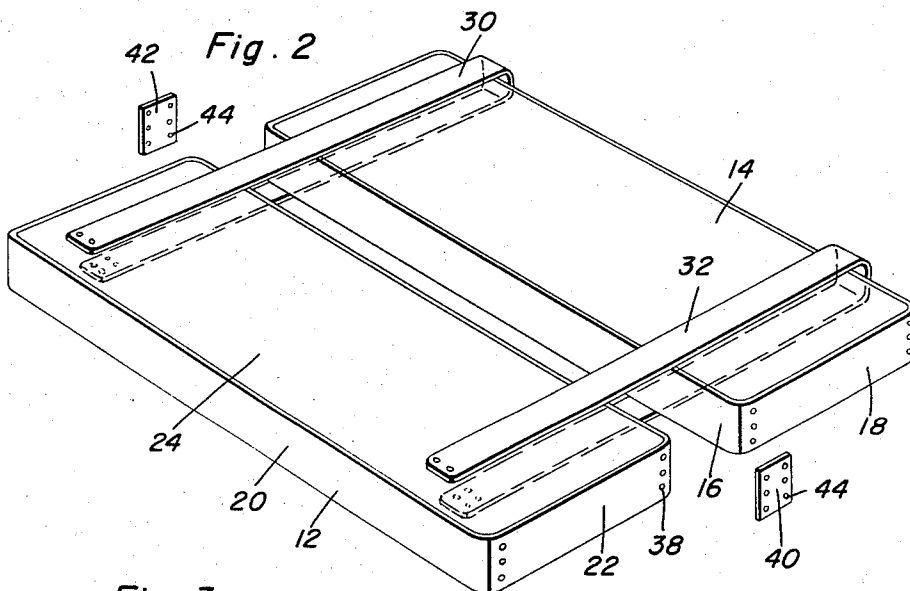
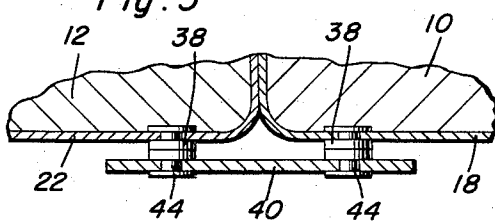


Fig. 3



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MATTRESS CONSTRUCTION

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1 Claim. (Cl. 5—352)

This invention relates to mattresses, springs and the like and more particularly to a two-level firmness inner spring or mattress.

An object of the invention is to provide a double or three-quarter size mattress of two degrees of softness or firmness wherein individual selectivity of mattress firmness may be obtained by merely moving from one side of the bed to the other. In addition when more than one person occupies a single bed, the desires or medical needs of one may be had while the other occupant may enjoy a mattress or inner spring or both of his choice.

A further object of the invention is to provide a multi-level firmness or softness of mattress and/or inner spring wherein the mattress and/or spring is formed in sections with one section being detachably connected to the other.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a perspective view of a spring or mattress constructed in accordance with the invention;

Figure 2 is an exploded perspective view of Figure 1, and;

Figure 3 is an enlarged sectional view showing the details of construction as taken on line 3—3 of Figure 1.

In the accompanying drawings the units 10 and 12 may be springs or mattresses. Each unit is constructed in accordance with present day manufacturing techniques. Accordingly if the units are mattresses, they may be of the inner spring type, molded rubber type or any other commercially available and desirable type of mattress. The same holds true for the units when they are constructed as box springs.

Both units are of the same outside dimension and are approximately rectangular in plan form. Accordingly, the unit 10 has a top surface 14, a bottom, longer sides 16 and shorter ends 18. The unit 12 has longer sides 20, shorter ends 22 and a top surface 24, together with a bottom surface. However, the unit 12 is made of a different softness or hardness level with respect to the other unit so that the previously described selectivity is obtainable. Moreover, should the mattress have to be made up specially, as for invalids, or should a corrective mattress be necessary as prescribed by the doctor, in a double bed, only one of the units would be in this way thereby leaving the other unit conventional insofar as inner construction is concerned.

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There are means releasably connecting the two units together in side-by-side relationship. These means comprise a pair of straps 30 and 32 respectively which extend transversely across the top and bottom of both units and which are connected together at their ends by means of snap fasteners 34 or like quickly attached and detached fastening means. Both the head and foot ends of the unit are fitted with vertical rows 38 of snap fastener elements with which to contact the panels 40 and 42. The panels each have rows of snap fastener elements 44 which are complementary to the snap fasteners in the rows 38. Therefore when the two units are brought together in side-by-side relationship, the straps 30 and 32 are attached in place and the panels 40 and 42 are snapped at the confronting corners of the ends of the two units as shown in Figure 1. This will hold the two units fastened together very firmly and securely.

The various advantages of the invention will be apparent to those skilled in this art. In addition to those enumerated, such other obvious advantages are that there is complete or practically complete independence of the two units so that when two occupants are in the same bed, the greater weight of one will not cause a distortion in the mattress which is ordinarily wholly transmitted to the other part of the mattress. More comfortable sleep and rest is obtained in this way.

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly all suitable modifications and equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:—

A multi-level softness or firmness inner spring or mattress comprising: a first unit and a second unit, each unit being substantially rectangular in plan form and having longer sides and shorter ends, the longer side on said first unit being positioned adjacent the longer side on said second unit, said units being of relatively different hardness, straps extending around said unit to maintain them in side-by-side relationship, said straps extending around both of said units parallel to the shorter ends, means at the ends of said strap which fasten said ends of said straps together, a pair of end panels, said panels overlying the crevice formed between said units, each of said panels attached to the confronting corners of said ends of said units whereby the units will be maintained in joined relationship.

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