Nov. 14, 1967 M. D. ANSON 3,351,964

INNER SPRING MATTRESS AND HANDLE COMBINATION

Filed June 21, 1966 2 Sheets-Sheet 1

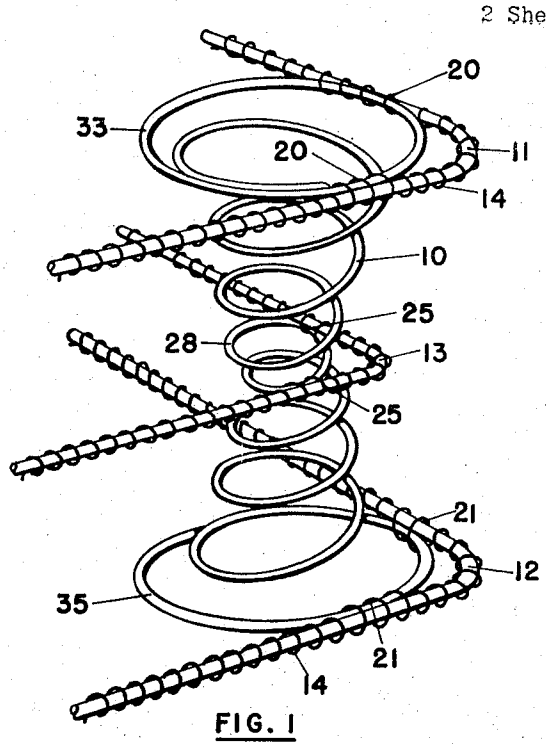



FIG. 1

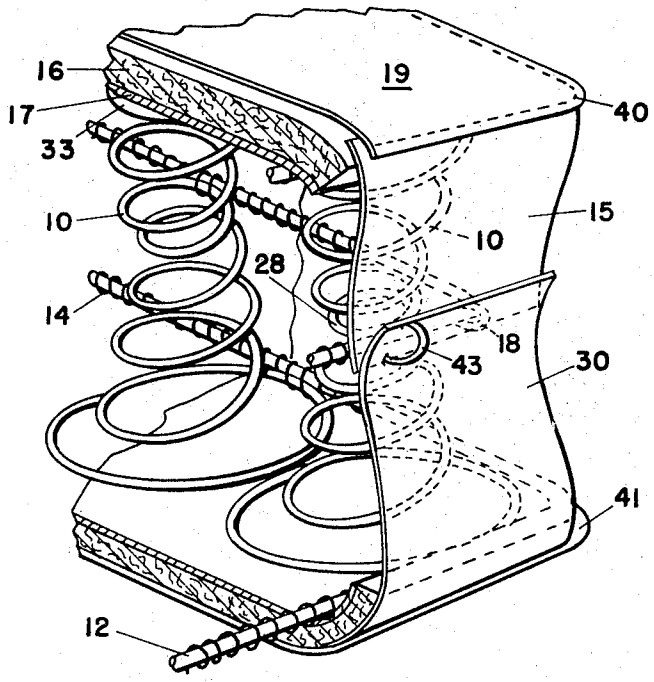



FIG. 2

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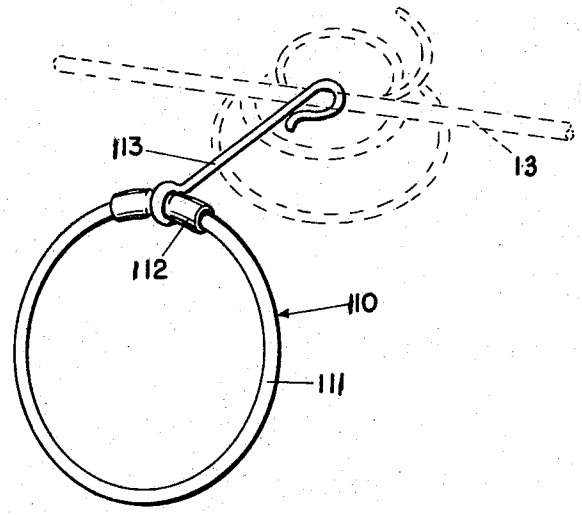



FIG. 3

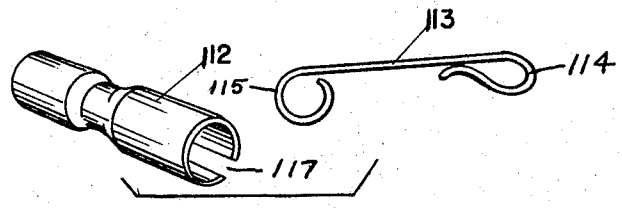



FIG. 4

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# INNER SPRING MATTRESS AND HANDLE COMBINATION

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4 Claims. (Cl. 5—351)

## ABSTRACT OF THE DISCLOSURE

The particular construction disclosed herein provides a means for attaching the cover in a centrally located position between the top and the bottom of the mattress whereby the cover is held positively in position with relation to the top and bottom of the mattress.

This application is a continuation-in-part of patent application, Ser. No. 412,046, filed Nov. 18, 1964, now Patent No. 3,256,535.

This invention relates to inner spring mattress constructions and, more particularly, to the design of the frame and handle in combination therewith.

In the parent case an improved mattress and spring construction is shown.

It is, accordingly, an object of the present invention to provide an improved inner spring mattress and handle construction.

Another object of the invention is to provide a combination mattress cover and border wire and handle construction.

A further object of the invention is to provide an improved inner spring mattress having a top border wire, a bottom border wire, and an intermediate border wire having coil springs and a cover and means for attaching said center border wire to said cover.

With the above and other objects in view, the present invention consists of the combination and arrangement of parts hereinafter more fully described, illustrated in the accompanying drawings and more particularly pointed out in the appended claims, it being understood that changes may be made in the form, size, proportions, and minor details of construction without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings:

FIG. 1 is an enlarged partial view of the spring and border wire construction of the mattress according to the invention;

FIG. 2 is a view similar to FIG. 1 showing a cover and padding in place on the springs;

FIG. 3 is an enlarged view of the handle with the spring shown in FIGS. 1 and 2 shown in phantom; and

FIG. 4 is an enlarged view of the parts of the handle construction shown in FIG. 3.

Now with more particular reference to the drawings, the mattress construction shown is made up of the usual coil springs **10**, top border wire **11**, bottom border wire **12**, and intermediate wire **13**. The top, bottom, and intermediate wires are provided with helical wires **14** which are wrapped around the top, bottom, and intermediate border wires and each are twisted around a turn of the helical support springs **10** at **20**, **21**, and **25** of the top turn **33**, intermediate turn **28**, and lower turn **35** respectively of the coil spring.

The top border wire and bottom border wire may be formed into a generally rectangular frame and the helical support springs **10** at each corner will be attached to both the front and the end portion. Therefore, one of the coil springs **10** is disposed directly in each corner of the mattress. The top and bottom border wires each define a frame slightly larger than border wire **13**.



The intermediate wire **13** will be connected to the cover part by means of hog rings **18** which will extend through the cover part **15** after it has been pulled taut and around the center wire **13** and the center coil of the coil spring **10**. These hog rings **18** will be attached to each coil spring and the rings will be placed at spaced portions completely around the outer periphery of the mattress.

After this is completed, the mattress is inverted and the cover part **30** is pulled taut in the same fashion overlapping cover part **15** and the cover parts **30** and **15** will be hog ringed to the center wire and the outside coil springs by means of rings **43**. Thus, the cover parts **15** and **30** will be fixed to the center wire **13** as well as to the center turn of the coil springs adjacent thereto. Since the center wire **13** is slightly inside a plane passing through the margin of the border wires **11** and **12**, the cover parts **15** and **30** will be held slightly inside the upper and lower marginal parts.

The mattress may have the usual felt padding **16**, sisal pad **17**, and cover material **19** over the top as well as the flange cover material **15** which may be sewed to the cover material **19** by seam **40**. The bottom cover material **41** may likewise be sewed to the flange cover material **30** in the same fashion.

The handle **110** is connected to the mattress by means of an attaching member **113**. Four of these handles can be provided, two on each side of a mattress, or any other suitable number, depending on the taste of the designer. The handle has the attaching member **113** which has the hook **114** at one end and the rounded hook **115** at the other end. The hook **114** hooks around the wire **113** while the rounded hook **115** hooks around the sleeve **112**. The sleeve **112** is split at **117** to snap over the ring **111** and the rounded hook **115** slips around the sleeve **112**.

Thus, an operator can grasp two of the handles on one side of the mattress and lift the side or two operators can grasp each two handles on each side of the mattress and move the mattress as desired.

The foregoing specification sets forth the invention in its preferred practical forms but the structure shown is capable of modification within a range of equivalents without departing from the invention which is to be understood is broadly novel as is commensurate with the appended claims.

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

**1**. A mattress comprising

a top border wire,

a bottom border wire spaced from said top border wire,

a center wire between said top border wire and said bottom border wire,

helical support springs each having its lower end disposed generally in a plane with said bottom border wire and its top disposed in a common plane with said top border wire,

said border wires being in the form of loops tangent to the turns of said helical springs,

said center wire being in the form of a loop slightly smaller than said loop defined by said top and said bottom border wires,

means attaching said coil springs to said top border wire and to said bottom border wire,

sheet-like cover material disposed over said mattress,

a part of said cover extending from said top border wire to said bottom border wire,

means connecting said cover to said center wire,

a handle attached to said center wire,

said handle comprising a ring,

and means attaching said ring to said center border wire.

2. The mattress recited in claim 1 wherein

said means attaching said ring to said center border wire comprises an attaching member having a first hook hooked around said center border wire and a round hook hooked around said ring.

3. The mattress recited in claim 2 wherein

a split sleeve is provided,

said split sleeve being supported around a portion of said ring and receiving said ring in said sleeve,

said round hook being disposed around said sleeve,

said sleeve having an intermediate reduced size portion receiving said rounded end of said attaching member.

4. The mattress recited in claim 3 wherein

said first hook is a resilient member having an end turned back on itself and resiliently engaging said attaching member,



said first hook being adapted to snap over said intermediate border wire.


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