June 21, 1966 M. D. ANSON 3,256,535

MATTRESS

Filed Nov. 18, 1964

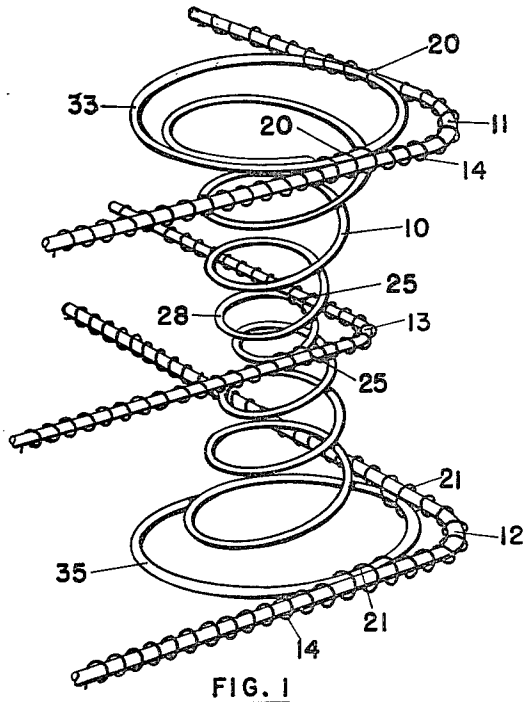



FIG. 1

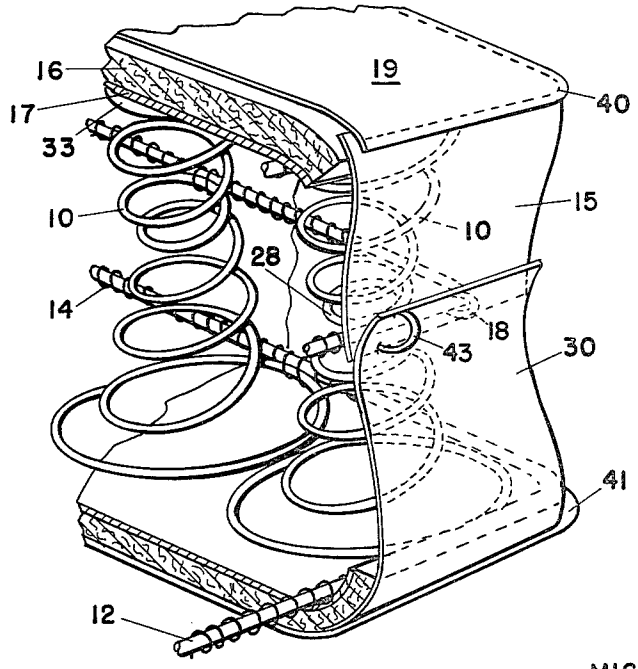



FIG. 2

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United States Patent Office 3,256,535 Patented June 21, 1966



3,256,535

# MATTRESS

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Filed Nov. 18, 1964, Ser. No. 412,046
5 Claims. (Cl. 5—351)

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

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.

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

Another object of the invention is to provide a combination mattress cover and border wire 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 drawing 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 drawing:

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

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

Now with more particular reference to the drawing, 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 springs.

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 **15** 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 foregoing specification sets forth the invention in its preferred practical forms but it is understood that 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,
and means connecting said cover to said center wire.

**2.** The mattress recited in claim **1** wherein said means connecting said cover to said center wire comprises hog rings extending through said cover material and around said center wire.

**3.** The mattress recited in claim **2** wherein helical wires are disposed around said top, bottom and center wires,
one turn of each said helical wire passing around a turn of each said helical support spring.

**4.** The mattress recited in claim **1** wherein
said part of said cover extending from said top border wire to said bottom border wire is divided into two cover parts comprising a first cover part and a second cover part,
said first cover part being connected to said center wire with hog rings,
and said second cover part overlying an edge of said first cover part and connected to said center wire by means of hog rings extending through said first cover part and said second cover part.

**5.** A mattress comprising
a top,
a bottom,
and an intermediate border wire,
said top and said bottom border wire each being generally in the form of a rectangle of substantially the same size,
said intermediate border wire being in the form of a rectangle of slightly smaller size than said top and bottom wires,
helical support springs between said border wires,
said support springs each having a large turn at its

upper end disposed in a plane defining said rectangle of said top border wire,

and a large turn at the lower end disposed in a plane of said rectangle defined by said bottom border wire,

each said helical support spring having a relatively small turn between said large end turns,

a helical wire around each said border wire,

each said helical wire around said border wire passing around a turn of each said helical support spring,

a sheet like cover over said mattress disposed in engagement with each said border wire,

and hog rings extending through said cover and disposed around said intermediate border wire whereby the side edges of said cover at said intermediate



border wire are held inward of said top and bottom border wires.

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