Aug. 16, 1955 E. J. HOOD 2,715,230

PADDING SUPPORT FOR SPRING MATTRESS STRUCTURES

Filed Nov. 7, 1951 2 Sheets-Sheet 1

Fig. 1

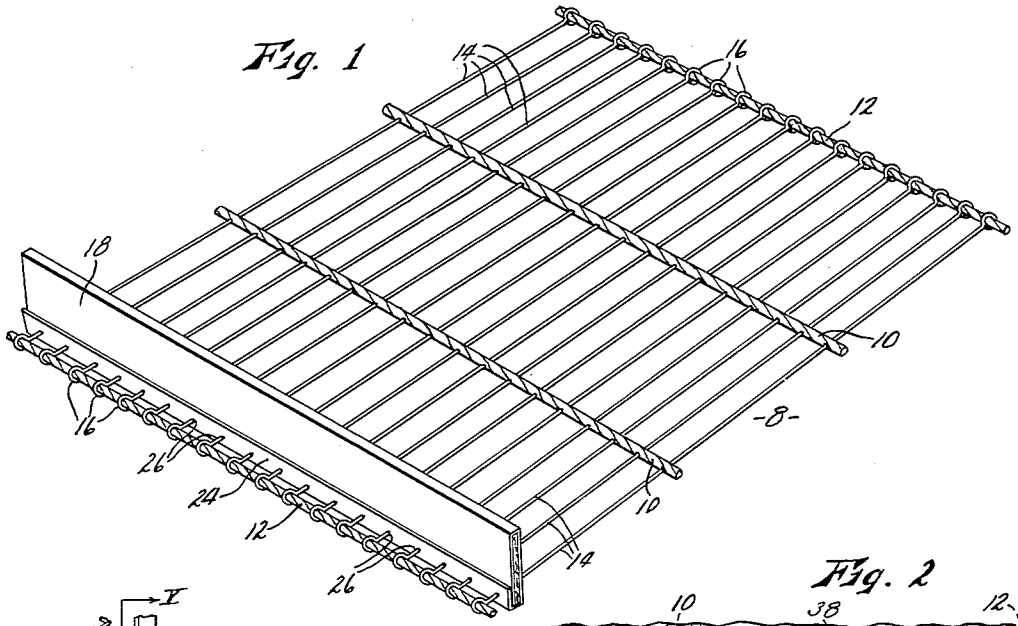
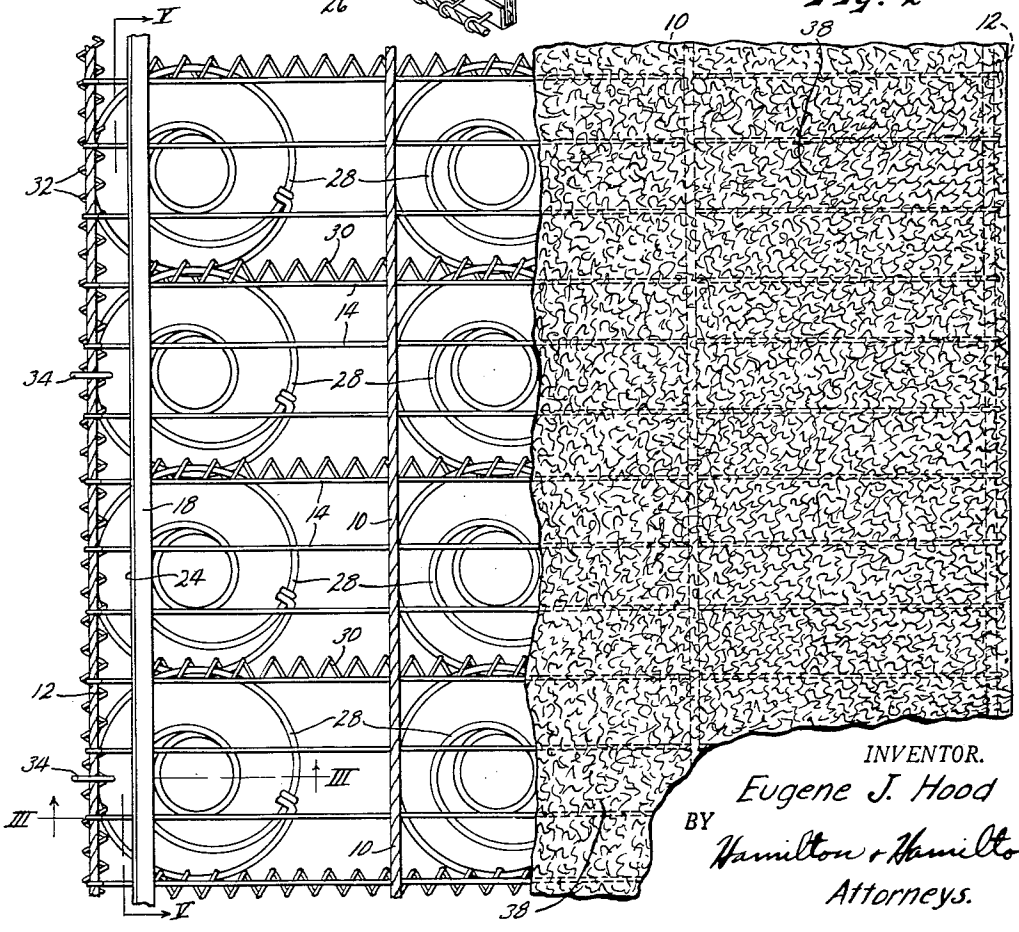


Fig. 2



INVENTOR.
Eugene J. Hood
BY
Hamilton & Hamilton
Attorneys.

Aug. 16, 1955 E. J. HOOD 2,715,230

PADDING SUPPORT FOR SPRING MATTRESS STRUCTURES

Filed Nov. 7, 1951 2 Sheets-Sheet 2

Fig. 3

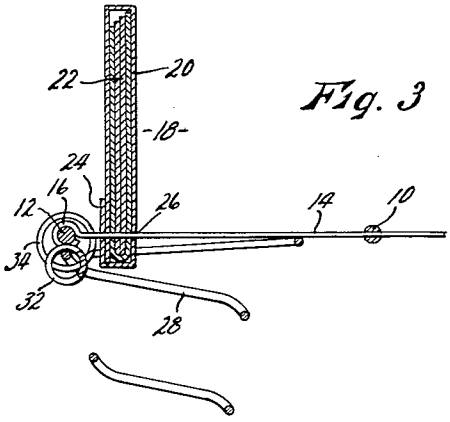


Fig. 4

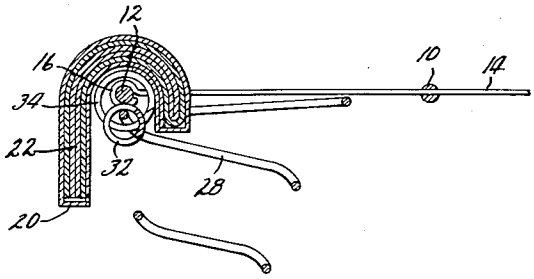


Fig. 5

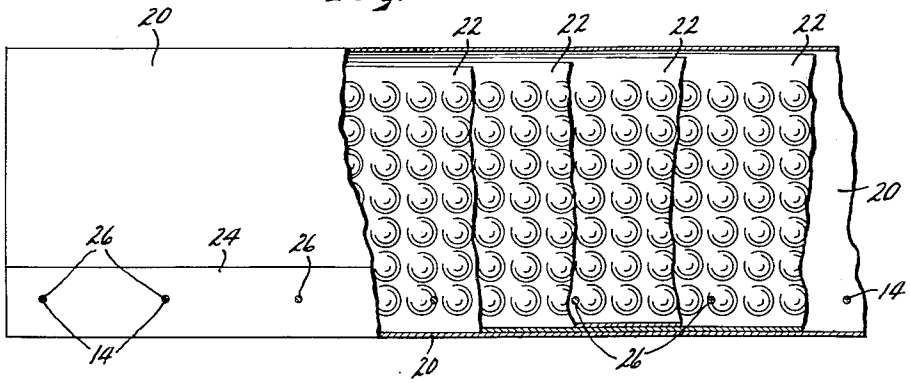


Fig. 6

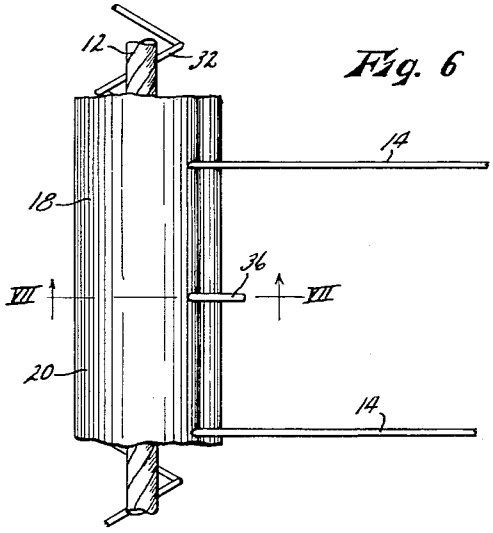
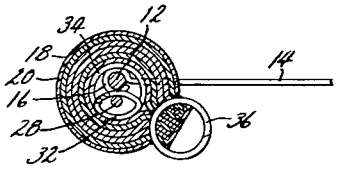


Fig. 7



INVENTOR.
Eugene J. Hood
BY
Hamilton & Hamilton
Attorneys.

United States Patent Office 2,715,230 Patented Aug. 16, 1955

2,715,230

PADDING SUPPORT FOR SPRING MATTRESS STRUCTURES

Eugene J. Hood, Carthage, Mo., assignor to Flex-O-Lators, Inc., Carthage, Mo., a corporation of Missouri

Application November 7, 1951, Serial No. 255,201

1 Claim. (Cl. 5—354)

This invention relates to improvements in padding supports for spring mattress structures which are adapted to be disposed upon the upper ends of coiled springs of the seats of cars, chairs, lounges or the like, to keep the padding of the upholstering from getting between or into said springs.

One of the principal objects of the invention is the provision of a padding support having a series of parallel transverse wires carrying an elongated folded pad adapted to be adjusted on said transverse wires and positioned over the front edge of said coiled spring structure to protect the front edge thereof from undue wear.

Another object of this invention is the provision of padding support for spring mattress structure comprising a plurality of spaced apart pliable longitudinal members, a plurality of spaced apart resilient transverse wire members interconnected with said longitudinal members to form a net, and a longitudinal pliable pad member adjustably carried by said wire members, adjacent one edge of said pad support.

Other objects are simplicity and economy of construction, ease and efficiency of application, and adaptability for protecting the various edges of a spring cushion member.

With these objects in view as well as other objects which will appear during the course of the specification reference will be had to the drawings wherein:

Fig. 1 is a perspective view section of padding support embodying this invention.

Fig. 2 is a plan view of the padding support shown in position on a spring mattress structure.

Fig. 3 is a fragmentary sectional view taken on line III—III of Fig. 2.

Fig. 4 is a view similar to that shown in Fig. 3 with the elongated folded pad positioned in operative position about the front edge of the spring mattress structure, to receive the padding thereover.

Fig. 5 is a fragmentary, enlarged sectional view taken on line V—V of Fig. 2 with parts broken away to show the different layers of material comprising the pad.

Fig. 6 is a fragmentary plan view of a modification of the application of the folded pad to the front edge of the spring mattress structure.

Fig. 7 is a sectional view taken on line VII—VII of Fig. 6.

Throughout the several views like numerals refer to similar parts and the number **8** designates a padding support, comprising a series of longitudinally disposed parallel spaced apart pliable or flexible members **10**, preferably of cord like form, as cords made of twisted paper, or common cords, at the outer sides of which respectively are anchoring member **12**, preferably comprising cord-like members similar to members **10**.

Transverse parallel members **14** are spaced apart and extend through the intermediathe members **10**, and are preferably resilient metal wires of less diameter than the members **10**, and are hard enough to perforate and be extended through the pliable members **10**. The extremities of each of the wire members **14** are formed to present eyes **16** which clampingly engage respectively the anchoring members **12** to prevent longitudinal movement of the members **14** therealong.

This padding support is made of various desirable widths but of long lengths, which may be cut to suitable length for particular upholstering jobs.

An elongated folded pad member **18** of suitable strip form is built into the padding support **8** during its manufacture. Referring to Fig. 3, it will be noted pad member **18** comprises a cover sheet of paper **20** folded entirely about a filler of folded waffle paper **22** continuous at their lower extremities and terminated at their upper extremities in stepped relation so that as the pad member is moved to the operative position as shown in Fig. 4, the ends of the folded sheets will be in substantially registered relation. Referring to cover sheet **20** it will be noted that it extends entirely about the filler waffle sheets **22** and overlaps itself at flap **24** which extends upwardly a distance sufficient to receive the perforation **26** therethrough.

Transverse wire members **14** are threaded through these perforations **26** to adjustably support the pad member **18** on said padding support **8** intermediate one of the outer anchoring members **12** and the adjacent pliable member **10**. This pad member **18** may be adjusted along wires **14** to permit proper contact with the edge roll of the mattress or seat member.

Referring to Figs. 2, 3, 4, and 7 it will be noted that the series of spiral springs **28** are joined together at their overlapping edges by continuous helical coils **30**. Also the outer row of springs **28** are joined together by means of helical coil **32**. When the padding support **8** is positioned on the spring mattress structure shown in Fig. 2 the outer anchoring member **12** is positioned directly over the helical coil **32** which joins the outer row of springs **28** together. When these parts are so positioned the operator by means of a pair of pliers positions a series of split rings **34** about anchoring members **12** and coil **32** to hold the padding support and spring mattress structure in proper fixed relation so that the padding support may be fixed about the forward upper edge of the completed spring structure to definitely protect it against objectionable wear, furthermore wires **14** and longitudinal pliable members **10** will be so positioned on top of coil springs that the padding **38** positioned on top of the padding support **8** will be so supported that it cannot get between or into the springs **28**.

Normally the folded pad member **18** takes the position shown in Fig. 4, and maintains its position due to the upholstering built thereover but not shown.

Referring to the modified form shown in Figs. 6 and 7 wherein the pad member **18** is folded about the front upper edge of the spring mattress structure with the opposite edge thereof overlapped and secured together by means of split rings **36** which secure to hold the edges together whereby the folded padding member forms a tube like structure about the upper edge of the spring mattress structure.

It has been suggested that this pad member **18** be placed along the upper forward edge of the spring mattress structure where the chance for wear is greatest however it is apparent that the pad member may be placed along any edge where the chance for wear is apparent. In other words it might be mounted on both side edges of a coil spring mattress or entirely thereabout. When the padding cover member is completed it is quite apparent that pad members will be held in operative position and will maintain a suitable padding member between the parts subject to the most possible wear. These padding supports are anchored to the spring mattress structure and are of close enough mesh or

weave to preclude the passage of the usual type of padding therethrough to points between or in said mattress springs.

Pad members **18** are secured adjacent their lower marginal edge portion by wires **14**, along which they may be adjusted for proper positioning relative to the outer edge of anchoring member **12**.

I claim:

A substantially rectangular padding support for spring mattress structures comprising a plurality of spaced apart, longitudinally extending strands and a plurality of spaced apart, transversely extending strands connected to said longitudinal strands to form a net, and an elongated, flattened padding member comprising a filler pad and a cover sheet disposed about said pad, the edge portions of said cover sheet overlapping adjacent one longitudinal edge of said pad, said padding member being disposed parallel to and adjacent the longitudinal strand

at one edge of said support structure, said transverse strands extending through said padding member adjacent one longitudinal edge thereof so as to pierce the overlapping edge portions of said cover sheet.

References Cited in the file of this patent

UNITED STATES PATENTS

1,167,856	Suekoff	Jan. 11, 1916
1,279,510	Burrows	Sept. 24, 1918
1,413,577	Eldredge	Apr. 25, 1922
1,748,094	Wolfson et al.	Feb. 25, 1930
1,955,187	Howard	Apr. 17, 1934
2,004,364	Best	June 11, 1935
2,184,572	Wainess	Dec. 26, 1939
2,341,254	Williams et al.	Feb. 8, 1944
2,395,402	Fisher	Feb. 26, 1946