Nov. 2, 1948. M. S. FIRSEL 2,452,645

BED SPRING SUPPORT

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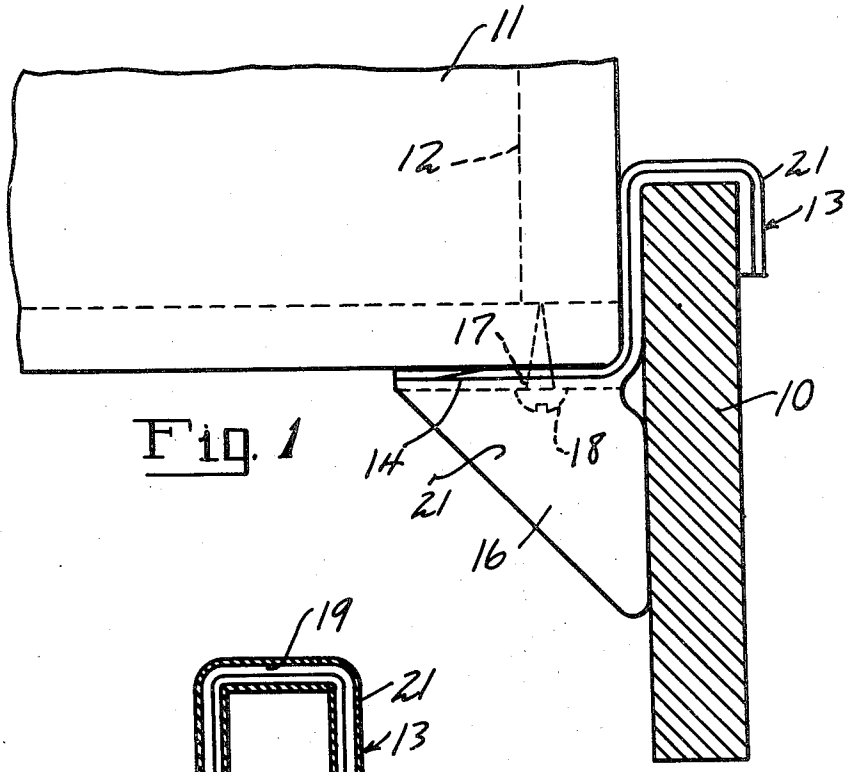


Fig. 1

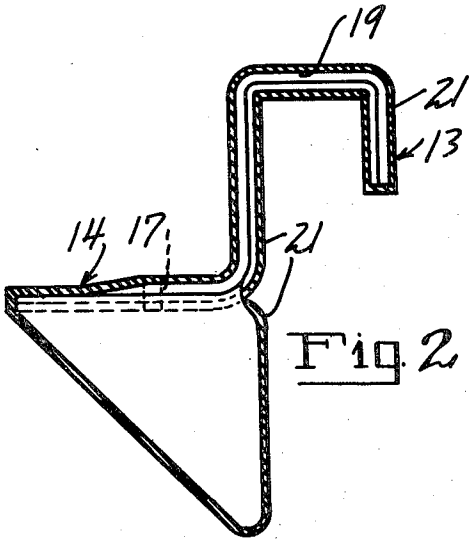


Fig. 2

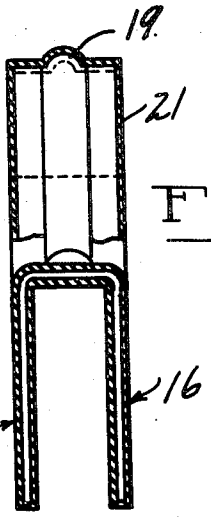


Fig. 3

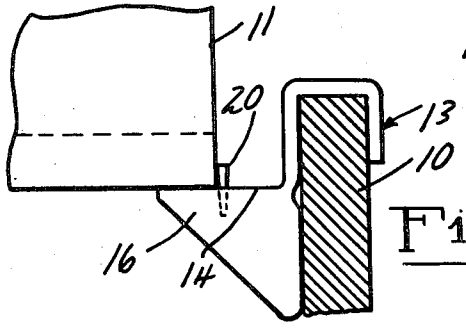


Fig. 4

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BED SPRING SUPPORT

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3 Claims. (Cl. 5—207)

1

This invention relates to a support for box springs from a bedstead and has for an object the provision of a simple, sturdy device, easily and economically manufactured, easy to apply, and one which will not mar nor damage a bedstead to which it is applied.

A more specific object of my invention is to provide a unitary bed spring support made from a single piece of metal plate having a hook portion for engaging the bed rail, a horizontal shelf portion upon which the frame of the box spring rests and unitary braces turned downwardly from the shelf portion to engage the side of the bed rail and support the shelf portion.

A device embodying features of my invention is illustrated in the accompanying drawing, forming a part of this application, in which

Fig. 1 is a sectional elevation showing my improved device and its manner of supporting a box spring;

Fig. 2 is a side elevation, showing the rubber covering of the device in section;

Fig. 3 is an end elevation showing the rubber covering in section; and

Fig. 4 is a view similar to Fig. 1 drawn to a reduced scale showing my improved device supporting a spring on a bed stead which is considerably wider than the spring.

Referring to the drawing for a better understanding of my invention, I show in Fig. 1 the side rail of a bed 10, and a fragment 11 of a box spring having a frame 12 indicated in dotted lines. The box spring 11 is supported by means of my improved device which comprises a hook portion 13, hooked over and engaging the bedstead rail 10, a shelf portion 14, upon which the frame 12 of the box spring 11 rests, and a pair of braces 15 and 16 which are turned downwardly from the shelf portion 14 and which bear against the side rail 10 to support the shelf portion. A hole 17, shown in dotted lines in Fig. 2, is provided in the shelf portion 14 to receive a screw 18 which may pass up into the frame 12 to hold the box spring against displacement.

As best seen in Fig. 3 of the drawing, my improved device is stamped, or pressed, from a single sheet of metal which may be of relatively light gauge and still have the requisite strength, due the particular construction employed. The downturned braces 15 and 16 provide the necessary reinforcement and strength to the shelf portion 14. In order to provide additional strength, I prefer to form a central corrugation, or rib, 19 which extends from the tip of the hook portion 13 outwardly nearly to the end of the shelf portion 14, as shown in Fig. 2.

2

In order to avoid marring or damaging the bedstead rail 10 or the spring frame 12 and to present a more pleasing appearance, I coat the device with a thin coating of rubber 21. The rubber coating may cover the entire support but if desired, the coating may be limited to that part of the hook portion engaging the rail of the bedstead. This may be applied, after the device is formed, by dipping it in a solution of rubber in a volatile solvent and then allowing it to dry.

In the event the bedstead is considerably wider than the springs to be supported, the hole 17 may be utilized to receive a small tapered pin 20. The pin bears against the sides of the spring frame and thus prevents the spring from shifting.

From the foregoing it will be apparent that I have devised an improved bed spring support which is simple of design, easy to manufacture, and which may be readily applied to support a spring.

While I have described my invention in but one form, it will be obvious to those skilled in the art that it is not so limited, but is susceptible of various changes and modifications, without departing from the spirit thereof, and I desire, therefore, that only such limitations shall be placed thereupon as are specifically set forth in the appended claims.

What I claim is:

1. Means for supporting a bed spring from a bedstead rail comprising a unitary support made from a single piece of metal plate and comprising a hook portion for engaging the bedstead rail, a horizontal shelf portion for receiving the side frame of the spring, braces turned downwardly from the shelf portion for engaging the side of the bedstead rail, and a reinforcing rib formed on the support and extending midway thereof substantially from the tip of the hook portion to the end of the shelf portion.

2. Means for supporting a bed spring from a bedstead rail comprising a unitary support made from a single piece of metal plate and comprising a hook portion for engaging the bedstead rail, a horizontal shelf portion for receiving the side frame of the spring, braces turned downwardly from the shelf portion for engaging the side of the bedstead rail, a reinforcing rib formed on the support and extending midway thereof substantially from the tip of the hook portion to the end of the shelf portion. and a rubber covering encasing the entire support.

3. Means for supporting a bed spring from a

bedstead rail comprising a unitary support made from a single piece of metal plate and comprising a hook portion for engaging the bedstead rail, a horizontal shelf portion for receiving the side frame of the spring, braces turned downwardly from the shelf portion for engaging the side of the bedstead rail, a reinforcing rib formed on the support and extending midway thereof substantially from the tip of the hook portion to the end of the shelf portion, and a rubber covering encasing the parts of the hook portion engaged about the bedstead rail.

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REFERENCES CITED

The following references are of record in the file of this patent:

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