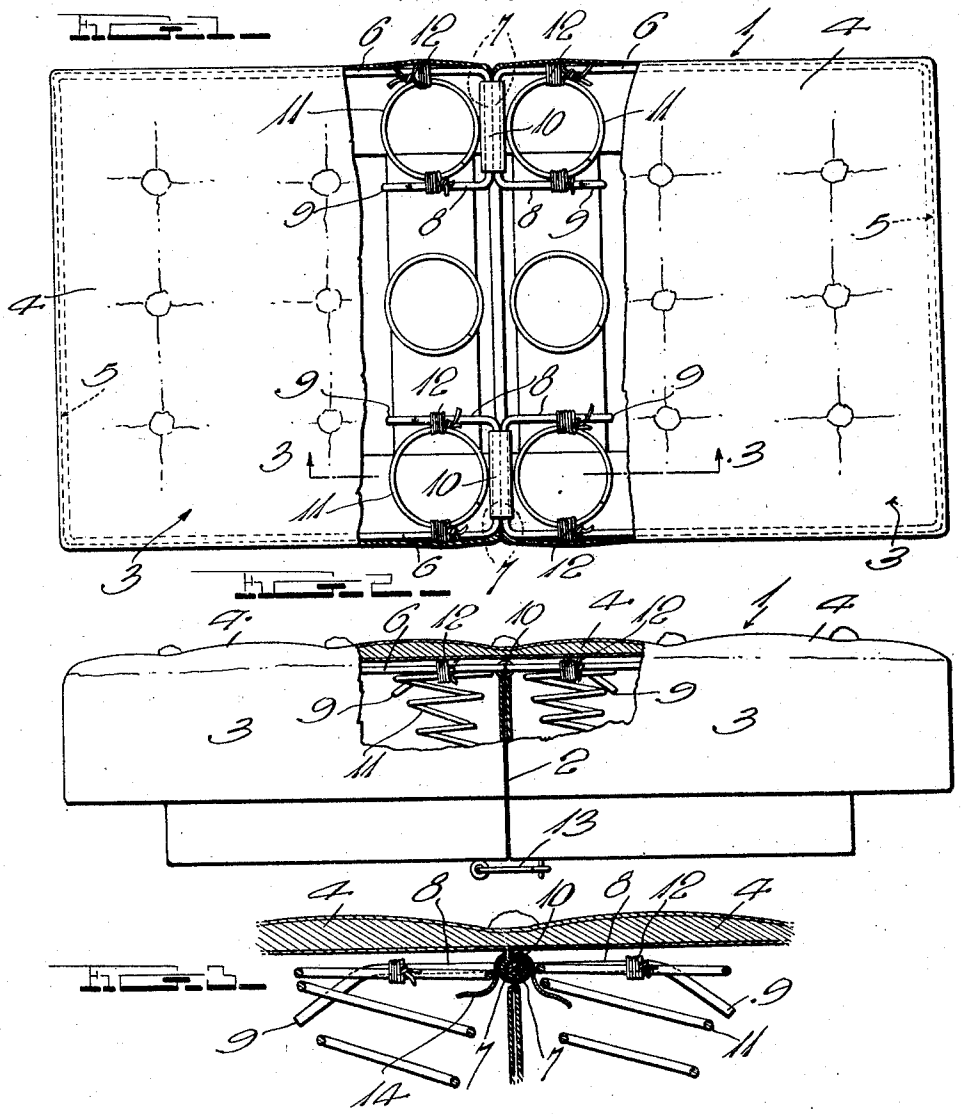
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Z. H. KAISERMAN

FOLDABLE BOX SPRING MATTRESS

Filed June 11, 1923



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UNITED STATES PATENT OFFICE.

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FOLDABLE BOX-SPRING MATTRESS.

Application filed June 11, 1923. Serial No. 644,808.

To all whom it may concern:

Be it known that I, ZAILIG H. KAISERMAN, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Foldable Box-Spring Mattresses; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in the so-called box spring mattresses and has for its object to provide a simple and effective construction and arrangement of parts whereby the mattress may be formed of two sections which can be readily folded one upon the other to permit the mattress to be more easily handled for cleaning, moving, etc.

With the foregoing in view, a further aim is to provide a construction which will effectively strengthen the mattress where the two sections connect with each other, thus preventing sagging.

With the foregoing in view, the invention resides in the novel subject matter hereinafter described and claimed, the description being supplemented by the accompanying drawing.

Figure 1 is a top plan view partly broken away to disclose the hinging means and associated parts in elevation.

Figure 2 is side elevation partly broken away and in section to disclose the interior parts.

Figure 3 is an enlarged longitudinal section as indicated by line 3—3 of Fig. 1.

Figure 4 is a side elevation showing the mattress folded.

The numeral 1 in the drawing above briefly described, designates a box spring mattress whose general construction is well known, with the exception that the vertical walls and the bottom are transversely divided as indicated at 2, thereby separating the mattress into a pair of sections 3. The usual padded top 4 however is not transversely cut or divided but extends uninterruptedly from one end of the mattress to the other.

A pair of one-piece U-shaped metal rods 5 are provided to jointly extend around the four edges of the padded top 4 and forming frames to hold the latter in shape, one of these rods being provided for each of the sections 3. The parallel arms 6 of the rods 5 have their end portions disposed at the abutting inner ends of the mattress sections 3, said end portions being bent inwardly, in the present instance at right angles, to provide two pairs of parallel hinge members 7. After forming these members, the ends of the arms are further bent into parallel relation with the body portions of said arms to provide fingers 8 which assist in supporting the intermediate or central portion of the top 4, the free ends of said fingers being curved downwardly as indicated at 9 to prevent injuring said top.

Sheet metal sleeves 10 or other appropriate bearings surround the hinge members 7 and thus hingedly connect the two rods 5 and the mattress sections 3.

A plurality of coiled springs 11 are provided for supporting the padded top 4 and the upper ends of certain of these springs are connected by heavy cord or the like 12 with the fingers 8 and the outwardly spaced portions of the arms 6. Thus, the mattress is effectively supported at the hinge portions and there is no danger of sagging.

It will be understood that the several springs may be held in upright position in any desired manner, for instance by the well known diagonal truss cords (not shown). Also, the mattress may of course be equipped with suitable handles or loops wherever desired and it is preferable, although not necessary, to provide hooks or other suitable means 13 for normally holding the sections of the mattress against folding. Release of these fasteners however will permit the two sections 3 to fold onto each other, as indicated in Fig. 4, it being therefore a much easier matter to handle the mattress for cleaning, moving, etc.

As disclosed in Fig. 3, I prefer to provide each of the bearings 10 with a fabric cover 14 which prevents it from having any tendency to injure the padded top 4.

Excellent results have been obtained from the details disclosed and these details are therefore preferably followed. However, within the scope of the invention as claimed, numerous minor changes may be made.

I claim:

A box spring mattress formed of two sections in abutting relation and having a padded top, springs for supporting said top, a pair of U-shaped rods for holding said top in shape, said rods jointly extending

around the four edges of the top and having the end portions of their arms bent horizontally inward to form two parallel hinge members, the free ends of said arms being bent horizontally away from said hinge members in parallel relation to and spaced from the adjacent portions of said arms to form supporting fingers for portions of said padded top, said fingers and the adjacent portions of said arms parallel thereto being bound to the upper coils of the adjacent outer springs whereby said fingers and portions of the arms are supported and firmly held in position, and bearings connecting said pairs of hinge members to hingedly unite the two mattress sections.

In testimony whereof I have hereunto affixed my signature.

ZAILIG H. KAISERMAN.