

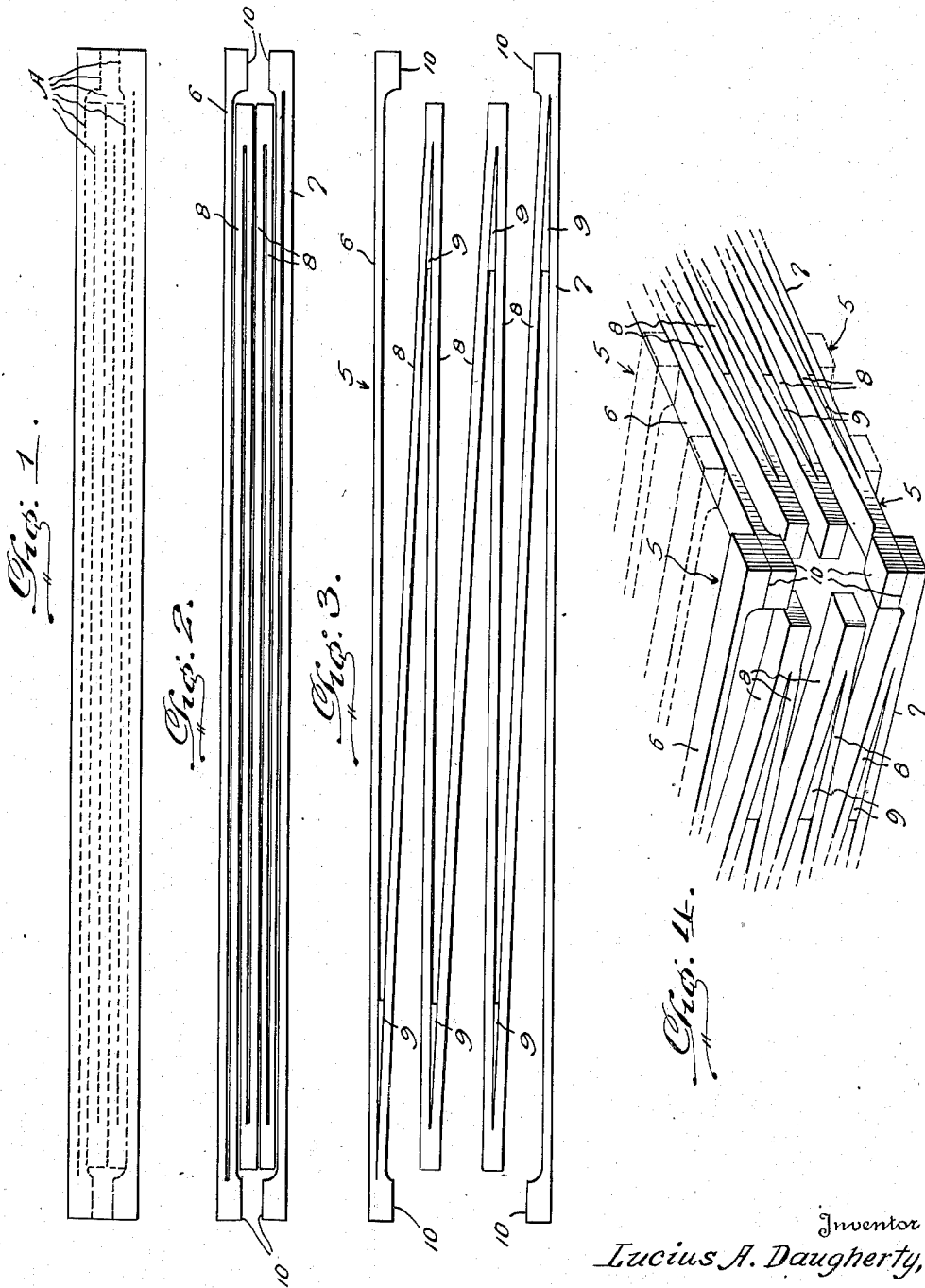
Nov. 28, 1944.

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2,363,837

WOODEN SPRING

Filed Jan. 29, 1943,



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UNITED STATES PATENT OFFICE

2,363,837

WOODEN SPRING

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Application January 29, 1943, Serial No. 473,994

1 Claim. (Cl. 5—255)

This invention relates to a wooden spring, and has for the primary object the provision of a device of this character which will provide an efficient and economical substitute for a metallic spring and is especially suitable for use in all types of furniture heretofore employing metallic springs and also may be utilized for other purposes than that specified.

Another object of this invention is the provision of a wooden spring construction which may be substantially made from a single piece of wood cut on lines of a pattern laid out on one face of the piece of wood and with the addition of wooden wedges will be made to have resiliency substantially equal to the resiliency of metallic springs used for like purposes.

With these and other objects in view, as will become more apparent as the description proceeds, the invention consists in certain novel features of construction, combination and arrangement of parts as will be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawing, in which

Figure 1 is a side elevation illustrating a single piece of wood having laid out on one face thereof a pattern on which said piece of wood is cut in the formation of a spring in accordance with my invention.

Figure 2 is a view similar to Figure 1 showing the piece of wood after being cut in accordance with the pattern.

Figure 3 is a side elevation illustrating a completed spring made in accordance with the present invention.

Figure 4 is a fragmentary perspective view illustrating a series of springs made in accordance with the present invention grouped in the construction of a bed spring or some other similar cushioning device.

Referring in detail to the drawing, the numeral 5 indicates as an entirety a wooden spring consisting of upper and lower members 6 and 7 arranged in parallel spaced relation and connected by a series of flexible strips 8 arranged in superimposed relation and integrally connected with each other and with said upper and lower strips or members 6 and 7. The flexible strips 8 provide desirable cushioning effect between the upper and lower members 6 and 7 and by referring to Figure 3 it will be seen that the flexible strips are spread from each other and from the members 6 and 7 by wedges 9. Also it will be noted that the connected ends of the flexible strips are arranged inwardly of the free ends of the mem-

bers 6 and 7. The free ends of the members 6 and 7 are of an increased thickness to form rests 10, the rests 10 of the upper member 6 being opposed to the rests 10 of the lower member 7. This construction of wooden spring will permit the grouping of a plurality of such springs, as shown in Figure 4, to form a bed spring construction or a spring foundation for chairs and other pieces of furniture. It will be noted in the grouping of the springs, as shown in Figure 4, that groups of such springs parallel one another with their ends engaging other similarly constructed springs arranged at right angles thereto.

A wooden spring of the construction described and shown in Figure 3 can be economically and easily made from a single piece of wood that is of elongated formation and of substantially rectangular shape in cross section. Such a piece of wood is illustrated in Figure 1 and one face thereof has applied thereto line markings A in accordance with a selected pattern. The strip of wood is then cut on the line markings from both ends thereof, as shown in Figure 2, forming the flexible strip as well as the upper and lower members of the spring. After the piece of wood has been cut, as shown in Figure 2, wooden wedges 9 are driven into the kerfs or cuts and come to rest where the members and strips are joined with one another causing the members 6 and 7 and strips to assume a spread formation, as shown in Figure 3, thereby providing to the device a very desirable resiliency.

While I have shown and described the preferred embodiment of my invention, it will be understood that minor changes in construction, combination and arrangement of parts may be made without departing from the spirit and scope of the invention as claimed.

Having thus described my invention, what I claim is:

In a wooden spring, spaced parallel wood members having the ends thereof enlarged to form rests projecting laterally thereof and the rests of one member opposing the rests of the other member, elongated flexible wooden strips grouped between said members terminating longitudinally inwardly of said rests and each having an end thereof integrally connected with the strip adjacent thereto and the strips adjacent said members being integrally connected with said members, and wedges located between the strips and between the members and the strips adjacent thereto, the wide ends of the wedges at the respective ends of the members terminating in a common vertical plane.

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