H. B. ARNOLD.

RECLINING COUCH.

APPLICATION FILED OCT. 2, 1913.

1,215,609.

Patented Feb. 13, 1917.

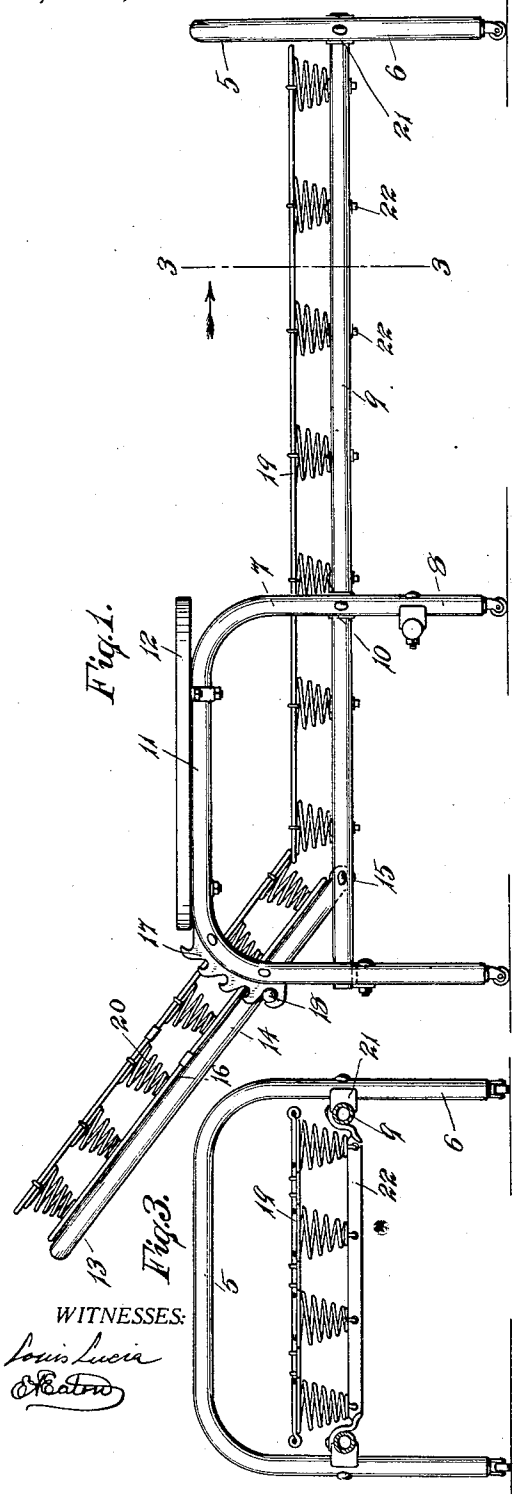


Fig. 1.

Fig. 3.

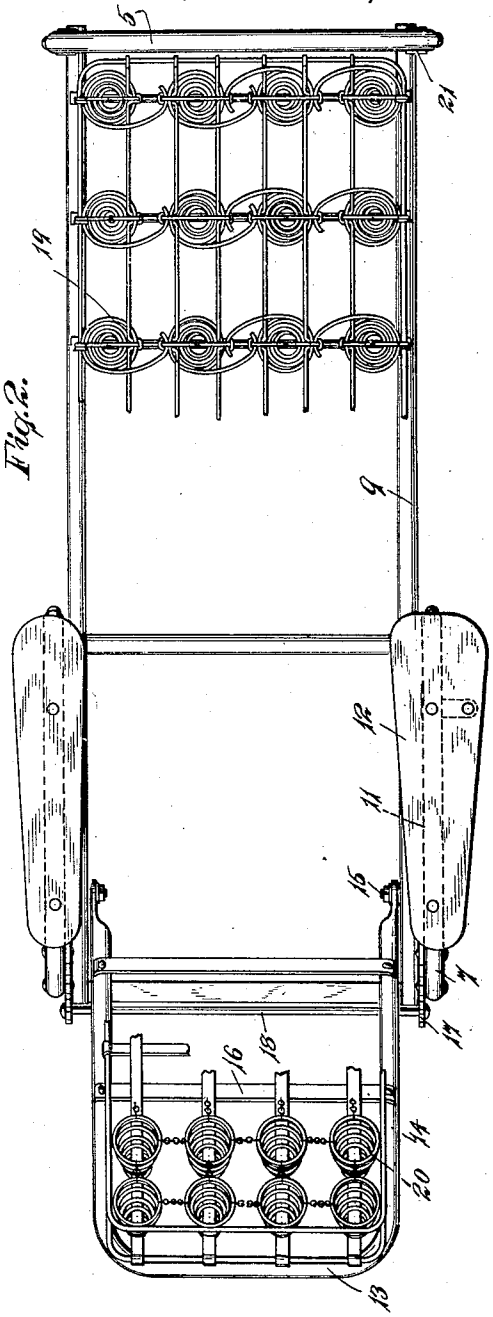


Fig. 2.

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HARRY B. ARNOLD, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO THE NATIONAL SPRING BED COMPANY, OF NEW BRITAIN, CONNECTICUT, A CORPORATION OF CONNECTICUT.

RECLINING-COUCH.

1,215,609. Specification of Letters Patent. **Patented Feb. 13, 1917.**

Application filed October 2, 1913. Serial No. 792,972.

To all whom it may concern:

Be it known that I, HARRY B. ARNOLD, a citizen of the United States, and a resident of New Britain, in the county of Hartford and State of Connecticut, have invented a new and Improved Reclining-Couch, of which the following is a specification.

My invention relates to the class of devices more especially designed for the use of invalids, and an object of my invention, among others, is to provide a strong, durable and attractive appearing couch that will satisfactorily serve all the purposes for which a device of this class is designed.

One form of couch embodying my invention and in the construction and use of which the objects herein set out, as well as others, may be attained, is illustrated in the accompanying drawings, in which—

Figure 1 is a view in side elevation of a couch embodying my invention.

Fig. 2 is a top plan view of the same.

Fig. 3 is a detail end view showing the foot end and the arrangement of the spring mattress on the side rails, the reclining frame being omitted.

In the accompanying drawings the numeral 5 denotes the foot end of the couch that is preferably constructed of metal and embodies a U-shaped frame, the branches of which constitute legs 6, which branches are constructed with any suitable means for attachment of the side rails of the couch. The numeral 7 indicates supporting frames similar in construction to the foot ends 5, there being two of these frames located one on each side of the couch and each having legs 8 located in line lengthwise of the couch, as shown in Fig. 1 of the drawings. Side rails 9 are secured in any suitable manner to the end supports 7 and to the foot ends 5, these side rails each being supported at one end by the foot end 5 and at the opposite end by one of the branches 8 of the U-shaped frame forming the end supports. These side rails are also supported intermediate their ends by the other branch of the end supports, as clearly illustrated in Fig. 1 of the drawings, the point of attachment being indicated by the numeral 10. The top rail 11 of each of the end supports 7 is provided with an arm rest 12 firmly secured in place as by means of bolts or like fastenings. These arm rests are preferably constructed of wood with their rear ends preferably narrower than their front ends.

A reclining frame 13 also of a form similar to the foot ends and the end supports is pivotally mounted between the side rails 9, each of the branches 14 having a pivot 15 extending therethrough and through the side rails 9. Braces 16 extending between the branches may be employed for imparting rigidity to the frame. Racks 17 are secured to the inner face of each of the end supports 7, these racks having teeth to receive a supporting rod 18, passing under the frame 13 and located in the spaces between the teeth of the rack, as shown in Figs. 1 and 2 of the drawings.

A spring mattress 19 is supported in any suitable manner upon the main bed frame composed in part of the side rails 9, and a reclining spring mattress 20 rests upon the reclining frame 13.

My improved couch presents a structure that is extremely strong, rigid and durable, the foot end, end supports and reclining frame being so similar in structure as to form and size as to enable the couch to be manufactured at a minimum cost. The end supports being disposed one on each side and with the branches arranged lengthwise affords a support for the side rails at such points intermediate the ends of said rails as to secure an extremely strong and rigid structure.

It will be noted that the frames 5 and 7 are extremely simple consisting of the outer U-shaped members only, but that the arrangement and construction of the entire bed is such as to give ample rigidity to these frames. This result is obtained by attaching the side rails 9 to brackets 21 on the branches of the foot end, and the cross bars 22 constituting a part of the mattress fabric will give sufficient support to hold the branches of the frame 5 rigidly in their relative positions, these cross bars being located at a short distance from the ends of the side rails 9 but sufficiently near said ends as to offer the required support. As to the frames 7, the side rails 9 being secured to each of the branches imparts to the frame extreme

rigidity for said branches, the side rails 9 and cross bars 22 thus serving a double purpose.

I claim:

A reclining couch including inverted substantially U-shaped supports, duplicates each of the others, one being located at the foot of the structure and two facing each other and located at the head end at a distance apart substantially equal to the width of the foot end, a side rail secured to both branches of a head end member and one branch of a foot end, and a frame conforming in shape and of substantially the same size and structure as said end supports and pivotally secured to the side rails between the head ends forming a reclining frame.

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Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents Washington, D. C."