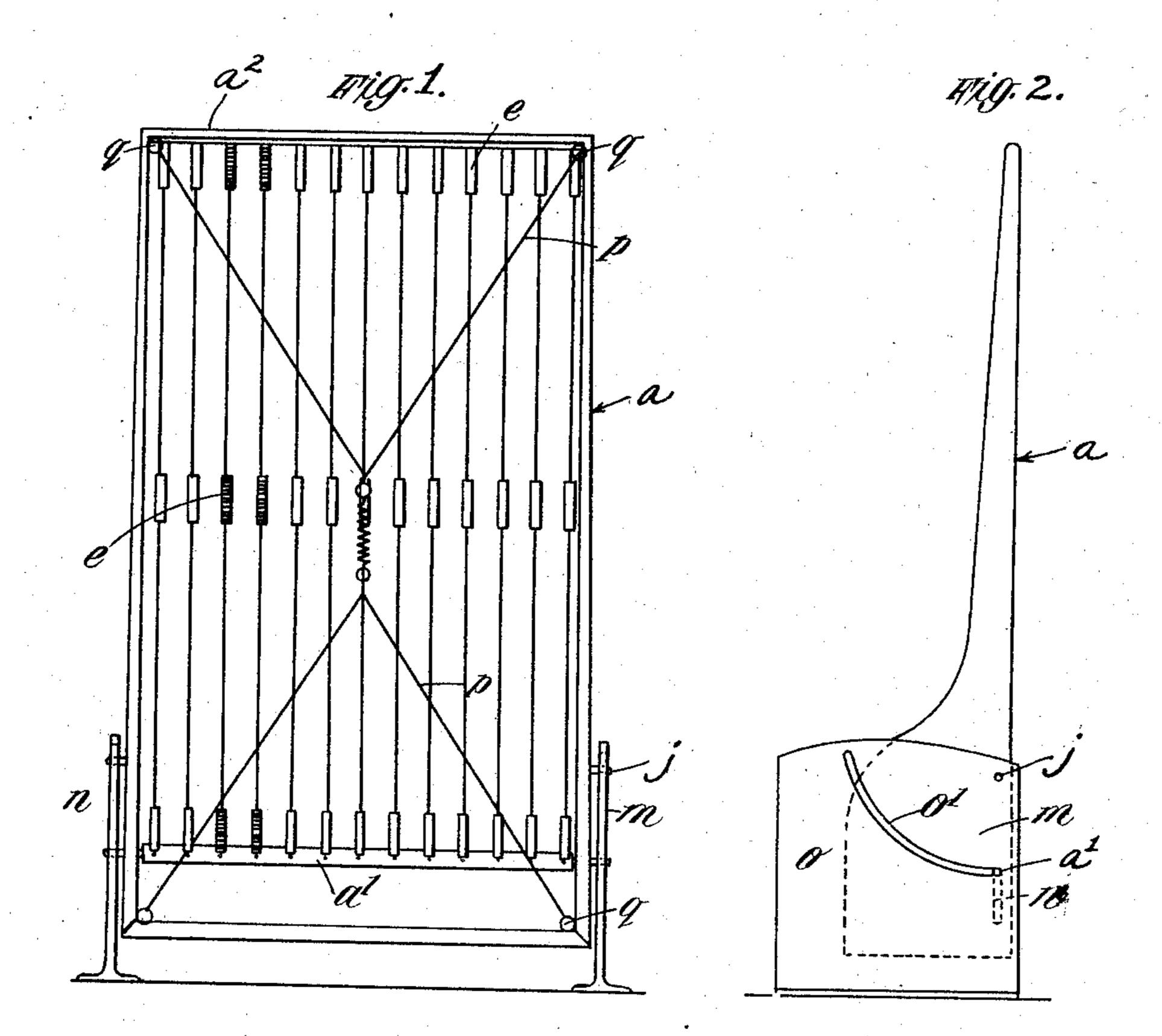
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FOLDING BED OR CHAIR Filed Sept. 27, 1928



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(Mus (1811))

UNITED STATES PATENT OFFICE

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FOLDING BED OR CHAIR

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5 spring mattresses.

The principal object of this invention is the provision of means whereby when the bed is in its horizontal position, that is the position in which it is to be used, the springs 10 of the mattress are subjected to a maximum tension, whereas when the bed is being folded into its vertical position this tension is gradually reduced. This construction causes a considerable increase in the life of the 15 springs as they would normally be under full tension for less than 12 hours per day, even if the bed was in regular use, and has 20 the movement of the bed when the latter is zontal axis eccentrically to the arcuate guide- 70 being raised or lowered.

The invention as applied to a bed is illustrated in the annexed drawings, in which:-

25 position, and

Fig. 2 is a side elevation of the bed in its

folded position.

The bed bottom is formed preferably of a plurality of substantially parallel flexible 30 members such as wires or cords, each connected at its opposite ends to the head portion a' In testimony whereof I have signed my and foot portion a² of the framework a, preferably by springs e. The flexible members may be divided between their ends, and the 35 divided portions may be connected together

by additional springs.

The two side members m of the bed frame are formed with substantially longitudinal slots n, and the two brackets o between which 40 the bed frame is mounted to swing on a horizontal axis j adjacent their rear upper corners have each an arcuate cam slot o' eccentric to the pivot j, the member a' passing through all the slots. To avoid weakening 45 the brackets o, by forming cam slots in them curved trackways may be secured to the brackets.

If the foot of the bed be pulled down the draw bar a', having a roller at each of its 50 ends extending through one of the cam slots

This invention relates to beds or chairs of o', follows the curvature of the slots and exthe kind that are adapted to be folded into tends the springs. When the bed is raised a vertical position when not in use, the beds the reverse action takes place. In order to or chairs being of the kind provided with retain the bed clothes in position when the bed is not in its horizontal position, cords p 52 having hooks q at their ends are secured to the corners of the bed and to a central spring.

Having thus described the nature of my said invention and the best means I know of carrying the same into practical effect, I 60

claim:—

A folding bed, comprising a pair of spaced vertical brackets each having an arcuate guideway extending upwardly from a point adjacent its forward edge toward its upper 65 end, a pair of side members each having a longitudinal slot adjacent its head end and the further advantage that the springs of each pivoted at a point between said slot and the mattress, when under tension, assist in its foot end to one of said brackets on a horiway of such bracket, a foot member connecting the other ends of said side members, a bed bottom having one end connected to said Fig. 1 is an elevation of a bed in its folded foot member, and a head bar connected to the other end of said bed bottom, said head 75 bar having means projecting from each of its ends through the longiudinal slot of one of said side members into constant engagement with the arcuate guideway of one of said brackets.

name to this specification.

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85