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2,334,618

PLATFORM ROCKER

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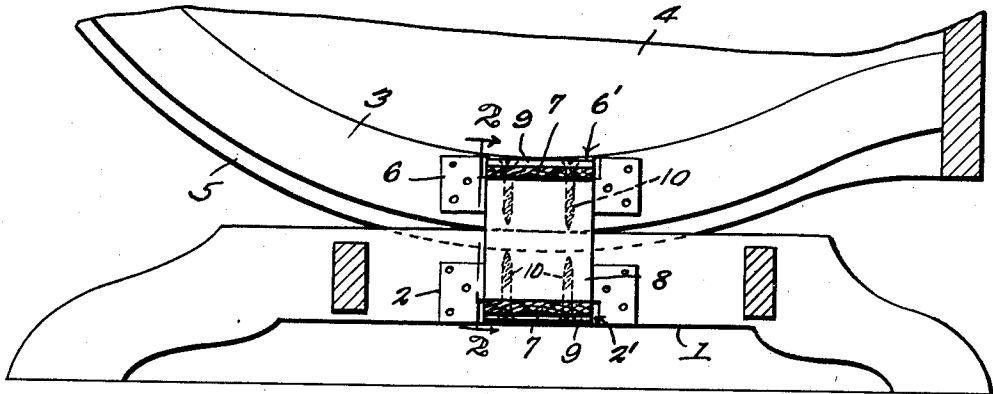


Fig. 1.

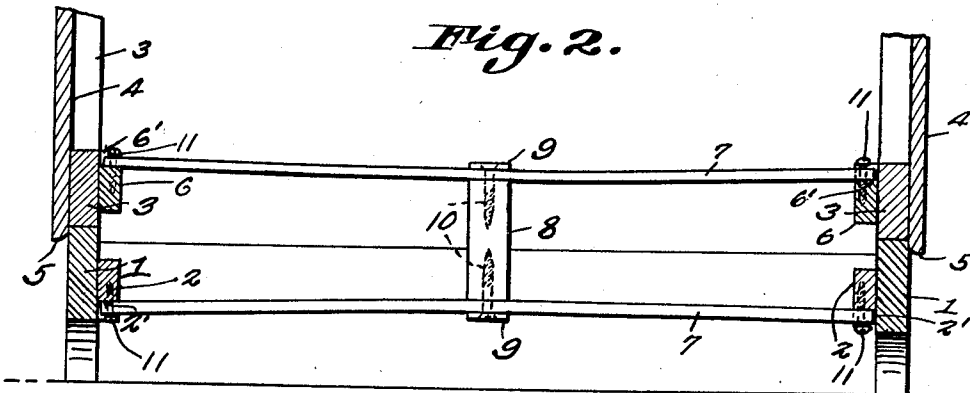


Fig. 2.

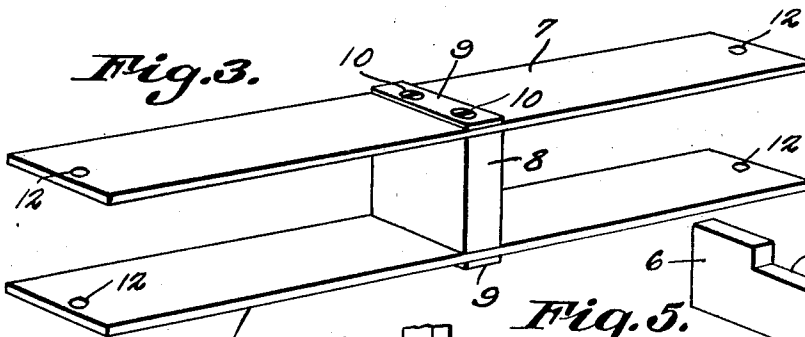


Fig. 3.

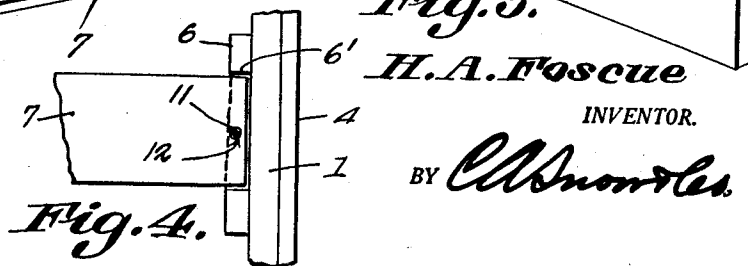


Fig. 4.

Fig. 5.

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PLATFORM ROCKER

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1 Claim. (Cl. 155-71)

This invention relates to platform rockers and more especially to springs for yieldingly resisting the movement of the rocker relative to the platform when shifted from its normal position. Due to scarcity of metals heretofore used in the manufacture of springs designed for this purpose, various attempts have been made to meet the need without the use of metal. The present invention has for its object the provision of a spring made up of wooden elements which, when assembled with the platform and chair portion of the rocker, will operate efficiently to yieldingly resist rocking motion.

A further object is to provide a structure of this character which is cheap to manufacture and can be installed readily.

A further object is to provide a spring which is subjected to very little wear and will operate efficiently over a long period of time.

With the foregoing and other objects in view which will appear as the description proceeds, the invention consists of certain novel details of construction and combinations of parts herein-after more fully described and pointed out in the claim, it being understood that changes may be made in the construction and arrangement of parts without departing from the spirit of the invention as claimed.

In the accompanying drawing the preferred form of the invention has been shown.

In said drawing

Figure 1 is a vertical section through the base and a portion of the seat structure of a platform rocker, a spring being shown assembled therewith.

Figure 2 is a section on line 2-2, Fig. 1.

Figure 3 is a perspective view of the springs.

Figure 4 is a plan view of a portion of the structure.

Figure 5 is a perspective view of one of the spring-holding blocks.

Referring to the figures by characters of reference, 1 designates the base or platform of a platform rocker the same being provided at the inner sides thereof with blocks 2 having recesses 2' opening downwardly and toward each other. The rockers 3 of the seat portion 4 of the chair are mounted on the sides of the platform in the usual manner and, as ordinarily, are provided with side flanges or guards 5 adapted to lap the sides of the platform so as to hold the seat portion against lateral displacement relative thereto.

On the inner sides of the rockers 3 are blocks 6 having recesses 6' which open inwardly and normally are located directly above the recesses 2'.

The spring constituting the present invention includes upper and lower slats 7 of strong resilient wood the middle portions of which are fas-

tened to and spaced apart by a spacing member in the form of a block 8. If desired reinforcing strips 9 can be placed on the upper surface of the upper slat and the bottom surface of the lower slat so that screws or other fastening means 10 can be extended through them and through the slats into the block 8. Thus the slats will be reinforced at their points of connection.

The slats are of such length that the ends of the upper slat will rest in recesses 6' while the ends of the lower slat will rest in recesses 2' and the distance between the slats at the center is slightly less than the normal distance between the recesses 2' and 6'. In other words the slats are normally under tension and slightly out of parallel as shown in Fig. 2.

Obviously these slats hold the rockers 3 against movement lengthwise of the platform 1 on which they rest. When the rockers are moved backwardly or forwardly with a rocking action on the platform, the distance between recesses 2' and 6' is increased and the ends of the respective slats are shifted relative to each other while, at the same time, a twist is imparted to the slats. As the slats are made of highly resilient wood, they will act as springs when distorted in the manner stated so that when the rocker is released, the slats will return it to its normal or intermediate position on the platform as shown in Fig. 1.

The spring herein described can be manufactured at low cost, is quite durable, and can be readily installed in a platform rocker of the type shown.

To prevent the slats from rubbing on the adjacent walls of the recesses in which they are seated, small pins or screws 11 are extended through openings 12 in the slats and into the respective blocks.

What is claimed is:

The combination with a platform, rockers mounted for movement thereon, upper blocks on the rockers having recesses extending thereinto and lower blocks on the platform having recesses directly below the recesses in the upper blocks, of a wooden slat seated at its ends in the recesses in the upper blocks, a wooden slat seated at its ends in the recesses in the lower blocks, a wooden spacing block interposed between the slats at an intermediate point, and means for rigidly securing the middle portions of the slats to the spacing block, said slats being positioned to flex longitudinally and transversely at and adjacent to their ends during relative movement of the rockers relative to the base and being of a resiliency sufficient to resist relative movement of the rockers and base and to normally maintain the rockers in a predetermined position relative to the base.

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