Dec. 24, 1940. E. DE VANEY 2,225,737

SWING SEAT

Filed Sept. 26, 1938

Fig. 1

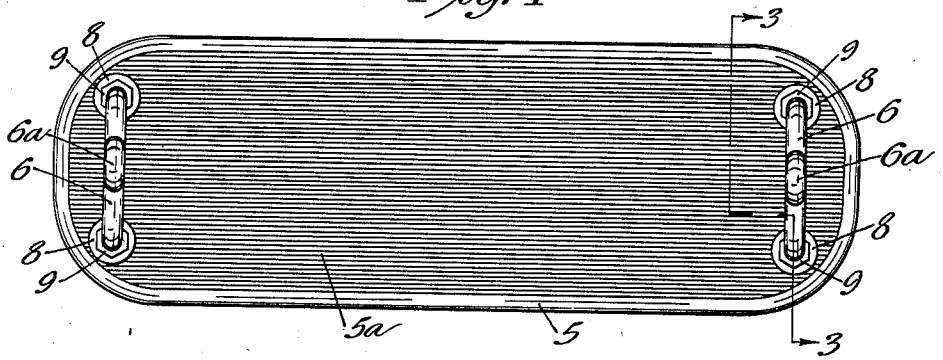


Fig. 2

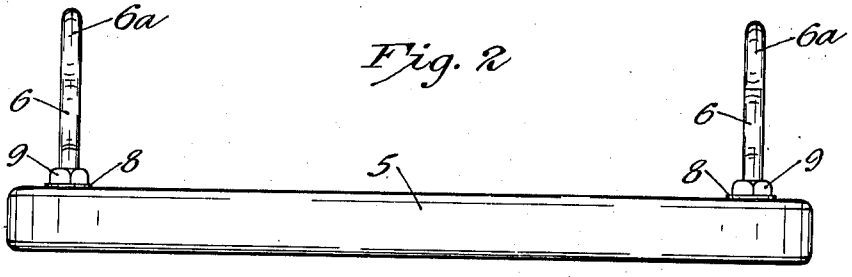
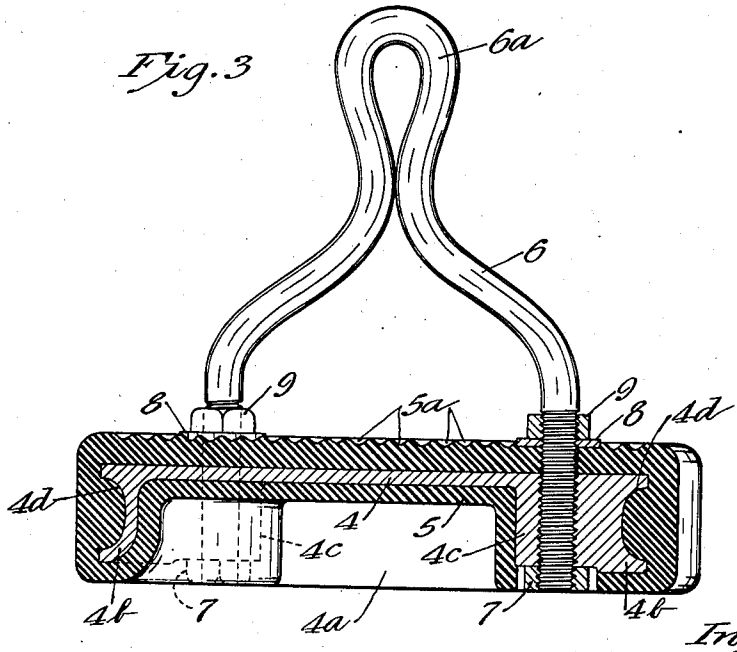


Fig. 3



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SWING SEAT

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Application September 26, 1938, Serial No. 231,692

2 Claims. (Cl. 155—58)

My invention relates to playground swings and particularly to swing seats.

The ordinary type of swing seat is usually made of hard material to obtain the strength and rigidity which is required. The hard materials ordinarily used cause considerable noise when they strike adjacent objects, are usually relatively slippery, and are likely to inflict a relatively serious injury if they strike a human being.

An object of my invention is to provide a swing seat having ample strength and rigidity and yet presenting a compressible exterior surface of other than a slippery nature.

Another object is to provide such a swing seat including suitable means for connection of the seat to a pair of elongated seat-supporting elements such as ropes, chains or cables.

A further object is to provide such a swing seat of light, rugged and inexpensive construction.

These and other objects and advantages of the invention will more fully appear from the following description made in connection with the accompanying drawing, wherein like reference characters refer to the same or similar parts throughout the views, and, in which:

Fig. 1 is a top view of an embodiment of the invention;

Fig. 2 is a front view; and

Fig. 3 is a sectional view taken along the line 3—3 of Fig. 1 as indicated by the arrows.

Referring to the drawing the swing seat illustrated therein consists, in general, of a core 4 formed of relatively hard, strong and rigid material encased within a jacket or sheath 5 formed of compressible elastic material. For the best results it is preferred that the rigid core 4 be formed of metal and that the sheath 5 be formed of rubber.

The core 4 consists of a generally flat and somewhat elongated rectangular member of substantial thickness. Portions of the member 4 are removed or omitted to create a downwardly opening recess 4a for decreasing the weight of the member 4 and leave a depending annular flange 4b along the edges of the member 4 for the purpose of maintaining ample strength and rigidity in the member 4. The four corners of the member 4 are preferably rounded as indicated in Fig. 1 and the portions of the flange 4b at the respective corners of the member 4 are thickened to provide bodies 4c of material wherein seat-suspension means may be anchored to the member 4. The member 4 is vertically apertured through the respective portions thereof wherein the bodies 4c are situated.

A pair of suspension elements 6 are provided for connection of the seat to seat-suspension elements such as ropes, chains or cables, each of the elements 6 being associated with the apertured portions at one of the respective ends of the member 4. Each element 6 comprises an elongated piece of suitable material, such as metal rod, first bent into substantially inverted U-shape and then having the medial portions of the respective legs of the U bent toward each other into close proximity, as shown in Fig. 3, so as to form a loop or eye 6a at the upper portion of the element 6 adapted for connection to a seat-suspension element. The free ends of each element are extended through and suitably secured in the apertured portions 4c associated therewith. Preferably these free ends are screw threaded and nuts 7 are screwed thereon immediately below the apertured portions 4c of the member 4.

The outer side of the flange 4b of the member 4 is provided with an annular groove 4d as shown in Fig. 3.

The jacket or sheath 5, formed of yieldable, elastic material such as rubber is molded about the core member 4 to completely encase the same and lie snugly against all exterior surfaces thereof. The sheath 5 is preferably provided, on the upper side thereof, with fluting 5a, as indicated in Figs. 1 and 3 and is apertured to accommodate the elements 6 and nuts 7 as indicated in Fig. 3. A washer 8 and nut 9 are mounted on each leg of each of the members 6 immediately above the sheath 5.

In the above described swing seat, the member 4 provides the necessary strength and rigidity while the sheath 5 provides a pleasing appearance, obviates the need for the member 4 having a pleasing appearance, imparts an anti-slip characteristic to the seat, minimizes the noise caused by the seat striking other objects, minimizes the extent of injuries which could result from the seat striking a person, and relieves the coldness which would characterize an all-metal seat.

It is apparent that I have invented a novel, rugged and inexpensive type of swing seat which has many desirable characteristics.

While my seat construction has been described as applied to seats for swings, it should be understood that the construction is readily adapted for use in seats for other playground apparatus than swings and for seats other than those included in playground apparatus.

It will, of course, be understood that various changes may be made in the form, details, arrangement and proportions of the various parts

without departing from the scope of my invention.

What is claimed is:

1. A seat for a swing comprising, a generally flat, relatively rigid and incompressible member, a flange depending from the peripheral edge of said member and having a groove in the outer face thereof, and a sheath of relatively compressible material formed on said member and said flange to cover all surfaces thereof, said member being arranged adjacent the respective ends thereof for connection of the usual elongated seat-suspension elements thereof.

2. A seat for a swing comprising, a generally flat, relatively rigid and incompressible member, a flange depending from the peripheral edge of said member and having a groove in the outer face thereof, and a sheath of relatively compressible material formed on said member and said flange to cover all surfaces thereof, said member being arranged adjacent the respective ends thereof for connection of the usual elongated seat-suspension elements thereof, and said groove being filled with a portion of the material of said sheath.

ELBERT DE VANEY.