

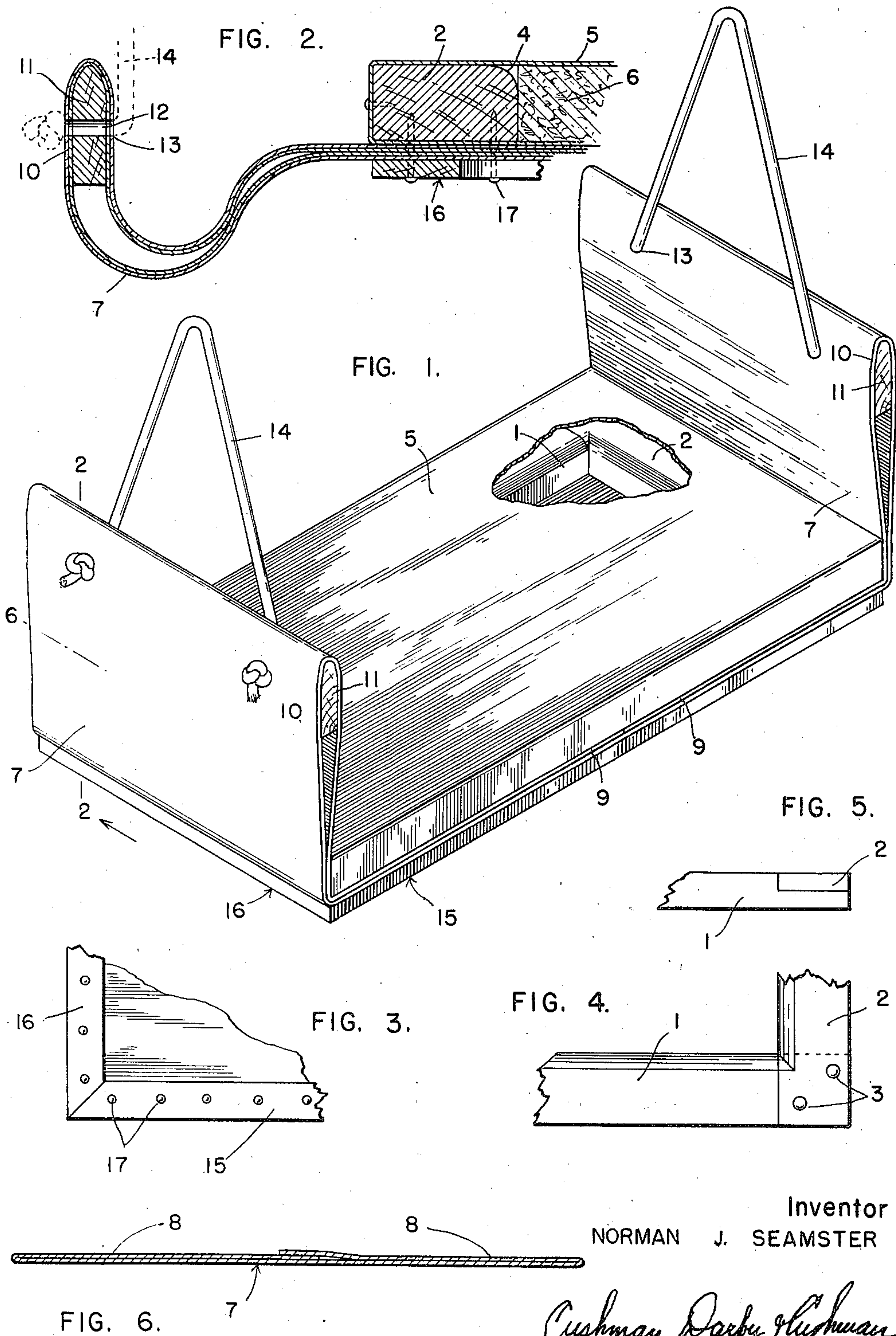
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SWING SEAT

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## UNITED STATES PATENT OFFICE

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## SWING SEAT

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5 Claims. (Cl. 155—58)

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This invention relates to a seat for use primarily in swings, such as those suspended from chains, ropes or the like.

The principal object of the invention is to make a seat that is cheap to manufacture, is long lasting and comfortable to one using the same.

Another object is to make a swing seat that is supported by a reinforcing strap, which also carries means for connection to the suspending means.

The invention is disclosed in the drawings accompanying the specification which drawings are to be taken as a part, of the disclosure.

Figure 1 is a perspective view of the whole seat with a portion of the cover broken away to disclose the construction of one corner of the frame.

Figure 2 is an enlarged cross section of one end of the swing taken on line 2—2 of Figure 1.

Figure 3 is a bottom plan view of one corner of the seat.

Figure 4 is a view in plan disclosing the means of connecting the ends of the frame members.

Figure 5 is the end view of the ends of the frame as disclosed in Figure 4, and

Figure 6 is an enlarged cross section of the reinforcing strap taken on line 6—6 of Figure 1, through one side of the loop at one end of the seat.

The seat comprises an open wooden frame composed of longitudinal members 1 and end members 2 joined at their meeting ends by a lap joint which leaves all surfaces flush or even. Fastening means such as tacks or nails 3 is used to securely hold the frame members. The inner edges of the frame members may be rounded as shown at 4 which do away with sharp corners thereby making a more comfortable seat.

The frame is entirely covered with a covering 5 which may be of canvas or a like fabric. The covering is stretched tightly over the frame and secured in any desirable manner. The center of the seat may be filled with a wadding 6 to give a cushion effect to the seat.

A reinforcing strap 7 that is used to reinforce the seat and also which extends beyond both ends of the frame for connection to the suspending means, is composed of a strip of fabric that is similar to the covering of the frame. The strap is made by taking an elongated strip of the fabric and folding the sides 8 inwardly upon the body to provide a double thickness. The strap is of the same width, after folding the sides, as the seat, and extends the full length of the seat and beyond the ends thereof. The ends 9 of the strap are placed between the covered frame and the

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body of the strap. By the strap extending beyond the ends of the seat with its ends folded back, loops 10 are provided for connection to a suspending means. As shown in Figure 2, the loop 10 is provided with four thicknesses of material while in Figure 6 it is formed of two thicknesses. A block 11 is placed within the loop with holes 12 through the same coinciding with openings 13 in the fabric. A connecting means 14 such as a cord, rope or chain, is used for connecting the seat to the suspending means not shown.

The strap and the free ends 9 thereof may be fastened to the underside of the frame by any suitable fastening means; in the present instance, nails 17 are used. A sub-frame composed of longitudinal strips 15 and end strips 16 is mounted under the strap by any fastening means, such as nails 17, to further reinforce and connect the strap to the frame and prevent the same from pulling loose from the main frame when the seat is in use.

When the seat is made as described above, it is very comfortable in that there are no sharp edges to injure the body of the person using the same. Also, by using the wadding, a cushion effect is given. And further, stretching the fabric taut over the frame, gives a support for the wadding 6. The reinforcing strap, also comprising the connecting means to the suspension means, gives greater strength to the seat and prevents the frame from breaking apart when a heavy person uses the same. The whole frame is used as the weight carrier as distinguished from a seat where the suspending means is connected directly to the frame members.

Having now described the invention in detail, the limitations therein are not to be taken as necessary limitations except so far as may be included in the claims.

I claim:

1. In a swing seat, a wooden frame, a fabric covering for the frame, a folded fabric strap underlying the covered frame and extending beyond opposite ends of the frame with its ends turned back upon themselves and forming loops for connection to a suspending means, strips underlying the strap at said opposite ends of the frame and fastened to the frame, thereby affixing the strap and covering to the frame.

2. In a swing seat, a wooden frame, the inner edges of the frame being rounded, a fabric covering for the frame, a padding in the center of the frame, a folded strap underlying the frame, the strap comprising a single length of fabric with its sides folded inwardly towards the center,



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the ends of the strap extending beyond opposite ends of the frame and being turned back upon themselves thus forming loops for connection to a suspending means, strips underlying the strap at said opposite ends of the frame and fastened to the frame, thereby affixing the strap and covering to the frame.

3. In a swing seat, a frame, a covering for the frame, a strap underlying the covered frame and of the same width as the frame and extending beyond opposite ends of the frame with its ends folded back upon the body of the strap forming loops for connection to a suspending means, reinforcing means within the loops, the ends of the strap being placed between the frame and body and fastening means for connecting the strap body and ends to the frame.

4. A swing seat, an open wooden frame, the inner edges of the frame being rounded, a covering for the frame, a padding in the open portion of the frame, a strap underlying the frame, the ends of which extend beyond the opposite ends of the frame and are turned back upon themselves to form loops for connection to a suspending means, strips underlying the strap and fastened to the frame, thereby affixing the strap and covering to the frame and enclosing the open portion of the frame to maintain the padding therein.

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5. In a swing seat, an open wooden frame composed of side and end members, the inner edges of which are rounded, a padding within the open portion of the frame, a fabric covering surrounding the frame and padding, a fabric strap composed of a single piece of fabric with its ends folded inwardly upon the body underlying the frame and of the same width as the frame, the ends of the folded strap extending beyond the opposite ends of the covered frame, thus forming loops which extend beyond the ends of the frame for connection to a suspending means, reinforcing means within the loops, the free ends of the strap being placed between the body of the same and the frame, and a sub-frame underlying the strap and fastened to the main frame, thereby affixing the covering and strap to the main frame.

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