Feb. 3, 1959 C. T. SWENSON 2,871,928

ARM REST

Filed Jan. 6, 1955

Fig. 1

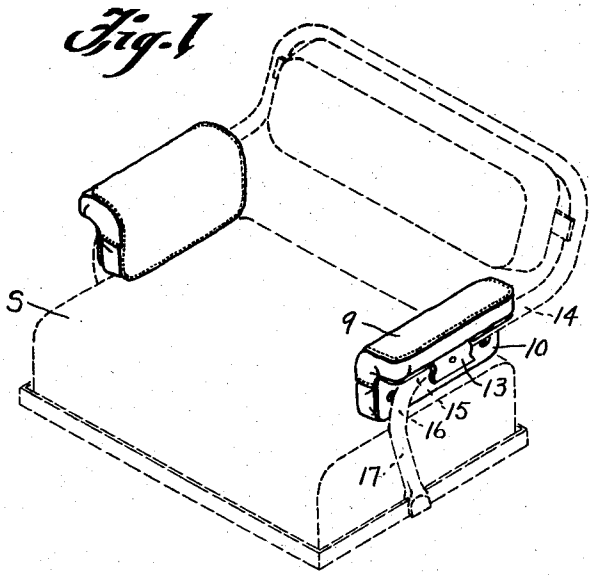


Fig. 2

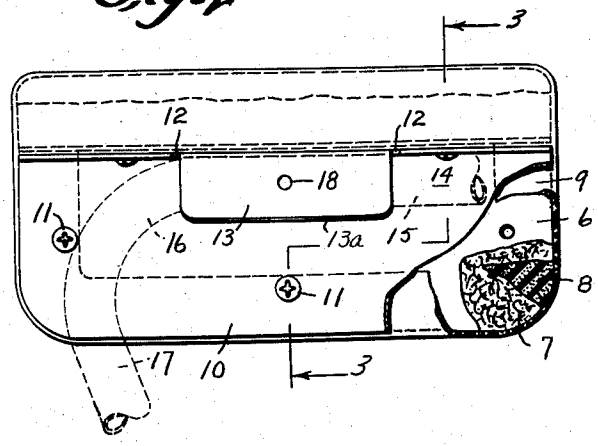
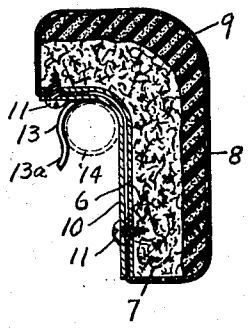


Fig. 3



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ARM REST

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2 Claims. (Cl. 155—198)

The invention relates to seats and more particularly to seats for tractors and other mobile equipment.

The object of the invention is to provide an arm rest and body side cushioning attachment for seats having metal side members that carry or form a back rest for the seat.

The invention further consists in the several features hereinafter set forth and more particularly defined by claims at the conclusion hereof.

In the drawings:

Fig. 1 is a perspective view of attachments embodying the invention shown as applied to one form of seat;

Fig. 2 is a side elevation view of the attachment, parts being broken away and parts being shown in section;

Fig. 3 is a detailed vertical sectional view through the attachment taken on the broken line 3—3 of Fig. 2.

Referring to the drawings, the numeral 6 designates an angled sheet metal plate that forms the base of a cushioning pad and provides a top and a side.

The pad includes a layer 7 of jute felt next to the plate 6, a layer 8 of sponge or foam rubber, and a covering 9 of leather, imitation leather, or other suitable flexible fabric or sheet material preferably having a moisture-proof exposed surface. The covering 9 extends inwardly at the top and bottom sides of the plate and at the ends of the plate and is anchored thereto by a suitable adhesive.

To the pad thus formed an attaching plate 10 of sheet metal of angled form so that it nests in the plate 6 is secured by self-tapping screws 11 that are anchored in the plate 6, the plate 10 abutting the overlapped ends of the covering 9. The upper side of the plate 10 is provided with spaced slots 12, and the plate material between these slots is bent down to form a tongue or clip 13 shaped to conform to the shape of the side frame member 14.

Where, as shown in the drawings, the frame member 14 is of circular cross section, the part 13 is curved to cooperate with the other side of the plate 10 to firmly engage said member, and since the metal of the plate 10 is somewhat resilient, the attachment may be pressed down and snapped over said member as shown in Fig. 3, the part 13 having an outwardly flared lip 13*a* to facilitate the spreading or deflection of this part while making this connection.

In Fig. 1 the attachments are shown applied to a seat S in which the frame members 14 have arm portions 15 that are joined by a bend 16 with an upright portion 17 so that when the attachments are applied, a part of the plate 10 will engage either the bend 16 or the portion 17 so that the attachments are prevented from rotating relative to their supports. The attachmens may also be used on frames which do not have a bend in a position

to prevent turning, and for such frames a hole 18 is provided in clip 13 to take a set screw which can be turned into clamping engagement with the side frame member to prevent turning of the attachment on the frame.

It is to be noted that each attachment can be used on either of the side frame members, and when in place, they provide cushions for the sides of the body of the occupant and also act as cushioned rests for his arms.

I desire it to be understood that this invention is not to be limited to any particular form or arrangement of parts except in so far as such limitations are included in the claims.

What I claim as my invention is:

1. In an arm rest for a cylindrical seat frame having an approximately horizontal side portion and a depending front portion, said arm rest comprising a sheet metal plate having a top section and a wall section depending from the top section in right angular relation thereto and said sheet metal plate including an arcuate section intermediate said top and wall sections, a cushion having a top portion resting upon said top plate section and a side portion engaging said wall section and being provided with a covering whose upper and lower edge portions lap over the edges of said plate top and wall sections respectively, and a second sheet metal plate including top and wall sections and an intermediate arcuate section disposed adjacent to and parallel with said first sheet metal plate and secured thereto with the said covering edges disposed therebetween, and an arcuate spring tongue on said second sheet metal plate and cooperating with the arcuate portion thereof for releasable engagement of the arm rest with said seat frame horizontal portion.

2. In an arm rest for a cylindrical seat frame having an approximately horizontal side portion and a depending front portion, said arm rest comprising a sheet metal plate having a top section and a wall section depending from the top section in right angular relation thereto and said sheet metal plate including an arcuate section intermediate said top and wall sections, a cushion having a top portion resting upon said top plate section and a side portion engaging said wall section and being provided with a covering whose upper and lower edge portions lap over the edges of said plate top and wall sections respectively, and a second sheet metal plate including top and wall sections and an intermediate arcuate section disposed adjacent to and parallel with said first sheet metal plate and secured thereto with the said covering edges disposed therebetween, and an arcuate spring tongue on said second sheet metal plate and cooperating with the arcuate portion thereof for releasable engagement of the arm rest with said seat frame horizontal portion, said plate wall section extending beyond and bearing against the seat frame depending front portion when said arm rest is applied to said seat frame.

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