

July 23, 1940.

J. E. BLOOMBERG

2,208,745

CUSHIONED SEAT

Filed Dec. 24, 1937

FIG. 1.

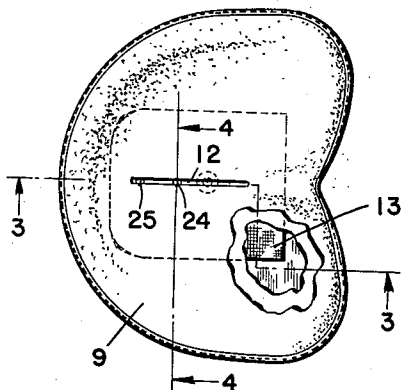


FIG. 2.

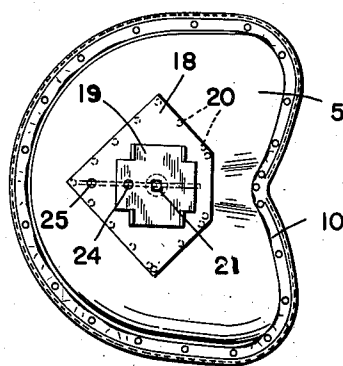


FIG. 3.

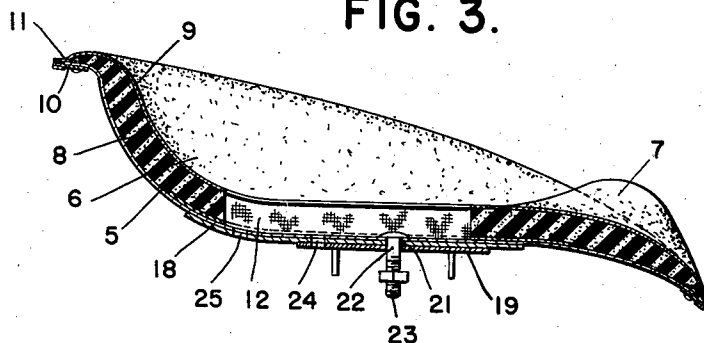
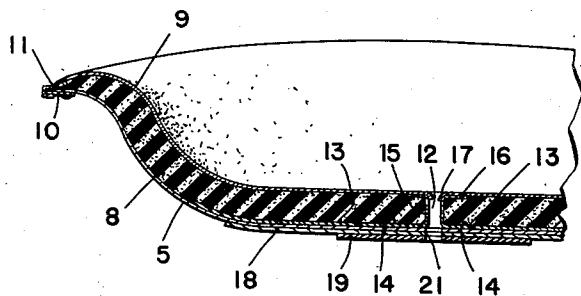


FIG. 4.



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2,208,745

CUSHIONED SEAT

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2 Claims. (Cl. 155—179)

The invention relates to cushioned seats and more particularly to what are commonly called bucket type seats.

Bucket type seats, because of the relatively deep cavities formed therein, collect water when exposed to the weather, as is frequently the case where the seats are mounted on agricultural implements, motor cycles, etc. Furthermore, where this type of seat is provided with a relatively deep or heavy cushion, it becomes hot at times, particularly in hot weather. One of the objects of this invention is to provide a bucket type seat with a drain opening so as to prevent the collection of water therein, which opening also provides for ventilation of the seat and further provides for an anchorage of the seat attaching bolt. Heretofore, the attaching bolt had to be welded to the seat bottom before the seat was cushioned, and this protruding bolt caused trouble in the subsequent handling of the seat. With the present construction the attaching bolt is slipped through the seat opening in the bottom plate of the seat and may, therefore, be put in after the seat is made.

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

In the drawing:

Fig. 1 is a top plan view of a seat embodying the invention, parts being broken away;

Fig. 2 is a bottom plan view;

Fig. 3 is a detailed sectional view taken on the broken line 3—3 of Fig. 1;

Fig. 4 is a detailed sectional view taken on the line 4—4 of Fig. 1.

Referring to the drawing, the numeral 5 designates the metal plate forming the base of the seat and dished to provide a relatively deep central cavity 6 and a raised central front portion 7 straddled by the legs of the user, this form of seat being commonly called a bucket seat. This form of seat is used on agricultural implements and machinery, motor cycles, and other implements and vehicles exposed to the weather.

Seats of the character above described are usually heavily cushioned, and one form of cushioning has been a layer or composite formation 8 of sponge rubber secured to the base plate 5 and having a covering 9 of leather or canvas secured thereto, said covering being secured to the plate 5 in any suitable manner, as for example, by the use of an anchoring strip 10 and a wear strip 11, as more particularly shown and described in my prior U. S. Patent No. 2,085,569, dated June 29, 1937.

In accordance with the present invention, I provide a longitudinal slot or opening 12 in the cushion along the central part of the bottom of the cavity 6. The sides of the cushioning material are protected by pieces 13 of waterproofed flexible material, such as canvas, each of which extends along the base plate as at 14, then upwardly at 15 along the side of the opening 12, and then backwardly at 16 over the top of the cushion adjacent the opening 12, said pieces being secured to the base plate and to the cushioning material by suitable adhesive, preferably a suitable rubber cement. The edges 17 of the top covering 9 are bent down over the linings formed by the pieces 13 as shown in Fig. 4.

The plate 5 is reinforced at its bottom portion by plates 18 and 19, the plate 18 being secured to the plate 5 by rivets 20 while the plate 19 is secured to the plate 18 in any suitable manner but preferably by welding. The plates 18 and 19 and the plate 5 have aligned square holes 21 to take the square ended shank 22 of a bolt 23, and said plates have aligned holes 24 forming a ventilating opening, and the plates 5 and 18 have aligned holes 25 forming a ventilating opening. With this construction the bolt 23 may be readily inserted through the opening 12 into the aligned openings 21 in the plates, so that the shank will be held by the sides of said openings.

The elongated opening 12 with the openings 24 and 25 provided, as above described, in the central portion of the seat provides a drain for the cavity 6 and also provides a ventilating passage which tends to keep the seat cool, as it permits air to circulate along the central portion thereof between the tuberosities.

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 a bucket type seat, the combination of a metal base plate having a relatively deep central cavity, yieldable material covering the top of said base plate and forming a cushion, a covering of flexible material for said cushion, said cushion having a slot at the bottom of said cavity, flexible lining members for the sides of said slot, each lining member secured to the top and bottom portions of said cushion and at the top extending beneath said covering, said covering having an opening aligned with said slot, said base plate having an opening communicating with said slot.

2. In a bucket type seat, the combination of a

metal base plate having a relatively deep central cavity, a sponge rubber cushion covering the top of said base plate and having a slot extending along the bottom of said cavity, a covering of
5 waterproof canvas for said cushion, a flexible lining for the sides of said slot, said covering

having an opening aligned with said slot secured in overlapping relation with said lining, said base plate having an opening communicating with said slot.

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