Sept. 6, 1938. F. E. SCHUMANN 2,129,481

SEAT OR THE LIKE

Filed Oct. 2, 1936 2 Sheets-Sheet 1

Fig. 1

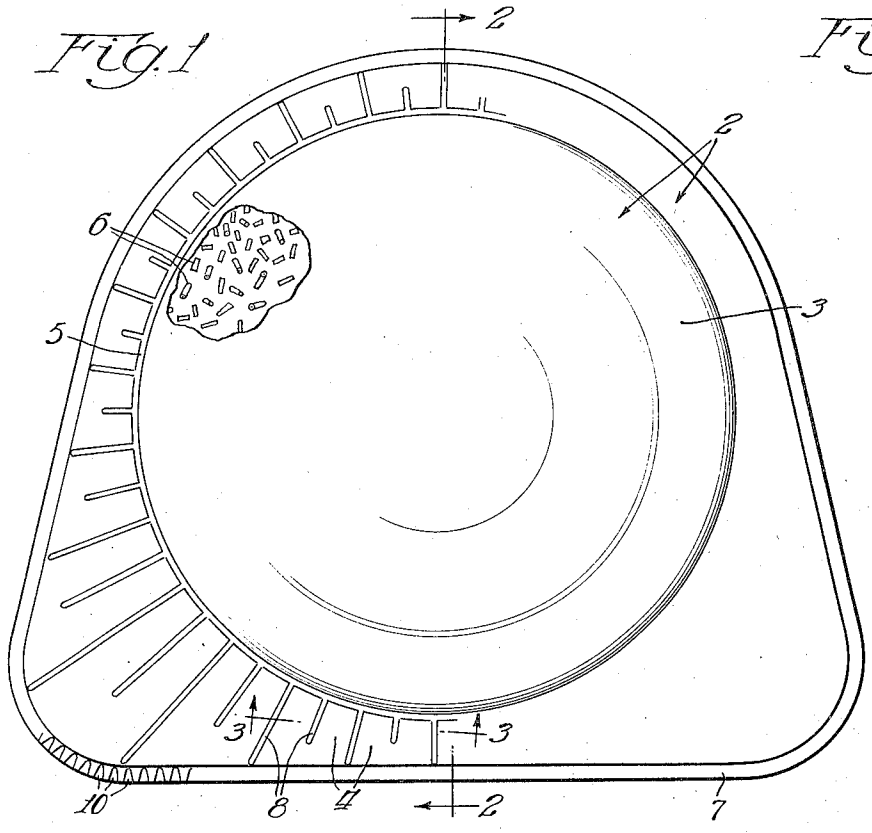


Fig. 2

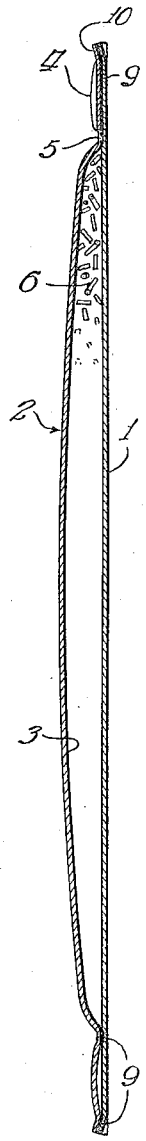


Fig. 3

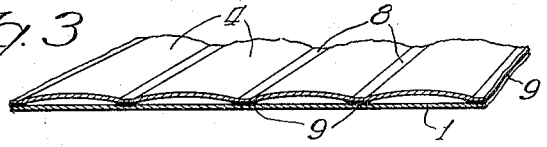
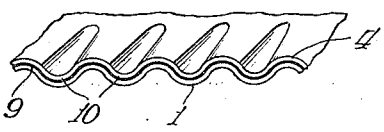


Fig. 4



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Sept. 6, 1938. F. E. SCHUMANN 2,129,481

SEAT OR THE LIKE

Filed Oct. 2, 1936 2 Sheets-Sheet 2

Fig. 5

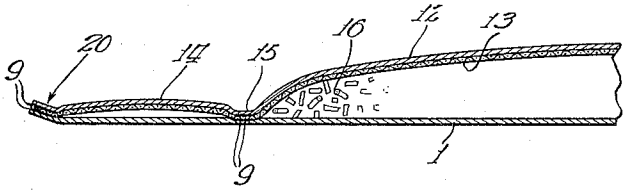


Fig. 6

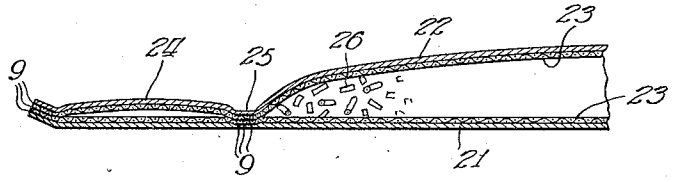
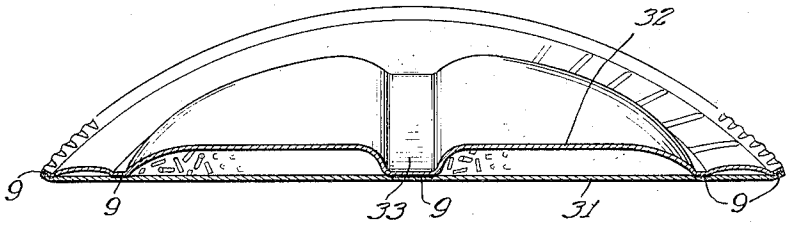


Fig. 7



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Patented Sept. 6, 1938 2,129,481

UNITED STATES PATENT OFFICE

2,129,481

SEAT OR THE LIKE

Frank E. Schumann, Chicago, Ill.

Application October 2, 1936, Serial No. 103,677

9 Claims. (Cl. 155—184)

My invention belongs to that general class of devices known as seats and more particularly to a paper seat or cushion of the desired size and shape.

The invention has among its objects the production of an inexpensive, attractive, durable, convenient, comfortable, sanitary and satisfactory seat or cushion for use where found applicable.

The invention has particularly as an object the production of a seat or cushion constructed of two sheets of paper with a filling interposed between the sheets, which filling in itself may be somewhat resilient or yielding which may be constructed for a minimum of cost and used innumerable times before being worn out and discarded.

The invention has particularly as an object the production of an inexpensive seat or cushion of the kind described which particularly lends itself for premium or advertising purposes and which may be constructed with advertising material displayed thereon and given away as premiums or complimentary, the device having such utility and being of such an attractive appearance that it will be retained and used by the recipient until worn out, thereby keeping the advertising material in the hands of the recipient over a period of time.

To this end my invention consists in the novel construction, arrangement and combination of parts herein shown and described, and more particularly pointed out in the claims.

In the drawings, wherein like reference characters indicate like or corresponding parts:

Fig. 1 is a plan view of a seat embodying the invention with a portion cut away;

Fig. 2 is a sectional view taken substantially on line 2—2 of Fig. 1;

Fig. 3 is an enlarged sectional view taken substantially on line 3—3 of Fig. 1;

Fig. 4 is a perspective view showing a portion of the edge;

Fig. 5 is a sectional view of a portion of a seat illustrating the same with an inner lining;

Fig. 6 is a similar view illustrating a double interlining; and

Fig. 7 is a perspective and sectional view illustrating a modification.

Referring to the drawings, my improved seat consists of two sheets of paper, one superimposed upon the other and constructed to provide a chamber or cavity within the confines of the sheet for receiving a suitable filling material, preferably such material as has some resiliency in itself. I prefer to use a paper that has some body and is of a character that will not easily tear or fracture. I also use paper, particularly for the top sheet, that lends itself to embossing or receiving printing or the like and which resists moisture. It may be mentioned that the sheets are of the desired size and shape and that where I refer to the same as a seat, I wish to also be understood as including a seat pad which may be used as a back as well as merely a seat.

The seat shown in Figs. 1 to 4 consists of a bottom sheet 1 of paper and a top sheet, generally designated by the character 2, the two sheets in the preferred seat corresponding in size and contour. The top or face sheet 2 is preferably embossed outwardly as indicated at 3 with a defined embossing 5 inwardly toward the sheet 1 about the periphery of the portion 3, the edge portion 4 extending to the extreme edge of sheet 1. The extreme edge of the sheet 2 is also pressed down or embossed as shown at 7 and is provided with embossing in the form of ribs 8 between the central embossing 5 and the edge embossing 7.

The two sheets are secured together by glue 9 at points outside of the central embossed portion 3. While the glue may be spread to cover the two meeting faces of the sheets, in the preferred construction, the two sheets are secured together by gluing at the embossing points 5 and 7 and along the ribs 8 as indicated in Figs. 2 and 3. Before the sheets are glued together, the filling material 6 is placed in the cavity or chamber formed between the sheet 1 and the embossed portion 3 of the sheet 2 and in this connection I prefer to use a filling material that may be poured. A most satisfactory filling, and the one that I prefer, is chopped or cut straw and being rather small in length, this material renders itself readily adaptable to be discharged from a hopper and has the added advantage that it is a good insulator and resilient in itself for a considerable time until after long use it may mat down. This filling also has the advantage of being a waste product and is extremely inexpensive. However, any waste material such as sawdust, chaff and the like may be employed.

I prefer embossing the extreme edge about the seat as indicated at 10 so as to avoid a sharp edge so that there will be no injury in the event that the seats are tossed or thrown about or sailed through the air and strike someone.

One or both sides of the seat may have imprinted or embossed thereon advertising or other material.

The seat shown in Fig. 5 is similar to that

shown in Figs. 1 and 2 except that an interliner 13 is provided, this interliner being of suitable material, preferably fabric such as cheesecloth or the like. The interliner may be glued or otherwise secured to the adjacent sheet either throughout the area of the sheet or merely glued between the edges when the two sheets are glued or secured together. Referring to Fig. 5, 1 represents the bottom sheet, 12 the cover sheet suitably embossed to provide the cavity with the edge portion 14 embossed at 15 and 20, the extreme edges being secured together by glue 9, the glue 9 also securing the edge portions about the cavity in the manner previously described. The filling 16 may be any one of the fillings previously mentioned.

In the form of the device shown in Fig. 6, 21 and 22 represent the two sheets of paper embossed or pressed and secured together, the edge portion 24 secured to the sheet 21 by glue 9. The filling material is as before described. In this form, the interlining 23—23 is provided as a backing for each of the sheets.

In the construction shown in Fig. 7, the seat is substantially the same as that previously described, 31 and 32 representing the two sheets of paper suitably embossed and secured together. In this case, however, the outer sheet is further embossed as at 33 and secured to the sheet 31 by the glue 9. This divides the filling in the cavity into two compartments. The groove formed at 33 provides for ventilation or the circulation of air and tends to make the seat cooler. It is obvious that the designs shown are more or less suggestive as the embossing may be modified so as to give a variety of designs. The sheets of paper on the top or bottom or either of them may be of a desired color and either one may be additionally embossed or made so as to resemble leather, fabric or any other material.

It is, of course, desirable that in a seat of this kind, which is particularly intended for more or less temporary use at athletic games, circuses and various gatherings and which may be either given away as an advertising medium or sold for a very nominal sum, that it should be exceedingly inexpensive and yet durable enough to accomplish its purpose. Of course, the durability will depend upon the character of paper used, it being preferred to use a paper of a tough fiber so that the user, finding the same durable and convenient, will retain the same for further use, thereby maintaining the advertising that is used for this purpose before him for a period of time.

The device is also found particularly convenient for use on automobile seats or at the back of the seat in hot weather or when the clothes are soiled and it is desired to keep the seat cushions clean. It may also be used in chairs, on porch steps and for many other purposes too numerous to mention.

Having thus described my invention, it is obvious that various immaterial modifications may be made in the same without departing from the spirit of my invention; hence I do not wish to be understood as limiting myself to the exact form, construction, arrangement and combination of parts herein shown and described or uses mentioned.

What I claim as new and desire to secure by Letters Patent is:

1. A paper seat of the kind described comprising a stiff flat bottom paper sheet of the desired size and contour, a top sheet also of relatively stiff paper corresponding in contour to the bottom sheet and overlying the same, said top sheet having an outwardly extending centrally disposed embossed portion with the periphery thereabout sharply defined providing a cavity for containing a filling, and filing material arranged in said cavity.

2. A seat of the kind described consisting of a sheet of relatively stiff paper provided with a centrally disposed embossed portion providing a pocket and oppositely embossed around said pocket to sharply define the pocket and embossed in the space between the edge of the sheet and the pocket, filling material arranged in said pocket and a sheet of paper arranged in contact with said first sheet and glued thereto about the edge of said pocket at said second mentioned embossing and at the outer meeting edges of the sheets, the extreme stiff edges of the assembled sheets being both crinkled about the periphery of the seat.

3. A paper seat of the kind described comprising two sheets, one superimposed upon the other and corresponding in contour therewith, at least one of said sheets being embossed outwardly from the body of the sheet to provide a defined chamber and glued to the other sheet about the periphery thereof, filling material in said chamber, said sheets being glued together at their extreme outer edges about the periphery of the seat and glued together at spaced intervals between the extreme outer edge and the embossed portion.

4. A paper seat of the kind described comprising two sheets, one superimposed upon the other and corresponding in contour therewith, at least one of said sheets being embossed outwardly from the body of the sheet to provide a defined chamber and glued to the other sheet about the periphery thereof, filling material in said chamber, said sheets being glued together at their extreme outer edges about the periphery of the seat and glued together at spaced intervals between the extreme outer edge and the embossed portion, the seat having at least a portion of the edge crinkled at the said periphery.

5. A paper seat of the kind described comprising two paper sheets of the desired size and corresponding in contour, one of said sheets being centrally embossed to provide a chamber for filling material interposed between the sheets, filling material in said chamber, said sheets being glued together about the periphery of the embossed portion and about the periphery of the two extreme edges of the sheets and in a series of substantially radial lines extending between the aforesaid embossed portion and the said edges.

6. In a seat of the kind described, a relatively stiff paper bottom sheet and a relatively stiff paper cover sheet, the cover sheet being embossed outwardly at a central portion to provide a central cavity and embossed inwardly around the central embossed portion to sharply define the central cavity and to provide gluing faces contacting with the bottom sheet, and filling material disposed between the sheets at said central portion.

7. A paper seat of the kind described comprising a relatively stiff flat bottom paper sheet of the desired size and contour, a top paper sheet corresponding in contour to the bottom sheet and overlying the same, said top sheet having an outwardly extending centrally disposed portion spaced back a substantial distance from the edges providing a cavity for containing a filling, and filling material arranged in said cavity, said

sheets being glued together about and close to said central portion to define the same and also glued together intermediate said central portion and the edges of the sheets.

8. A paper seat of the kind described comprising a flat stiff bottom paper sheet of the desired size and contour, a top paper sheet corresponding in contour to the bottom sheet and overlying the same, a fabric reenforcement for one of said sheets at the inner face thereof, said top sheet having an outwardly extending centrally disposed portion providing a cavity for containing a filling, filling material arranged in said cavity, said sheets being glued together close to and about said central portion and defining the cavity and between the peripheral edges of the sheets.

9. A paper seat of the kind described comprising a stiff bottom paper sheet of the desired size and contour, a relatively stiff top paper sheet corresponding in contour to the bottom sheet and overlying the same with the edges in contact, a fabric reenforcement on the inner face of each of said sheets, said top sheet having an outwardly extending centrally disposed portion spaced back a substantial distance from the edges providing a cavity for containing a filling, and filling material including short cut straw arranged in said cavity, said sheets being glued together adjacent both said central portion and the edges of the sheets, respectively.

FRANK E. SCHUMANN.