

Nov. 22, 1927.

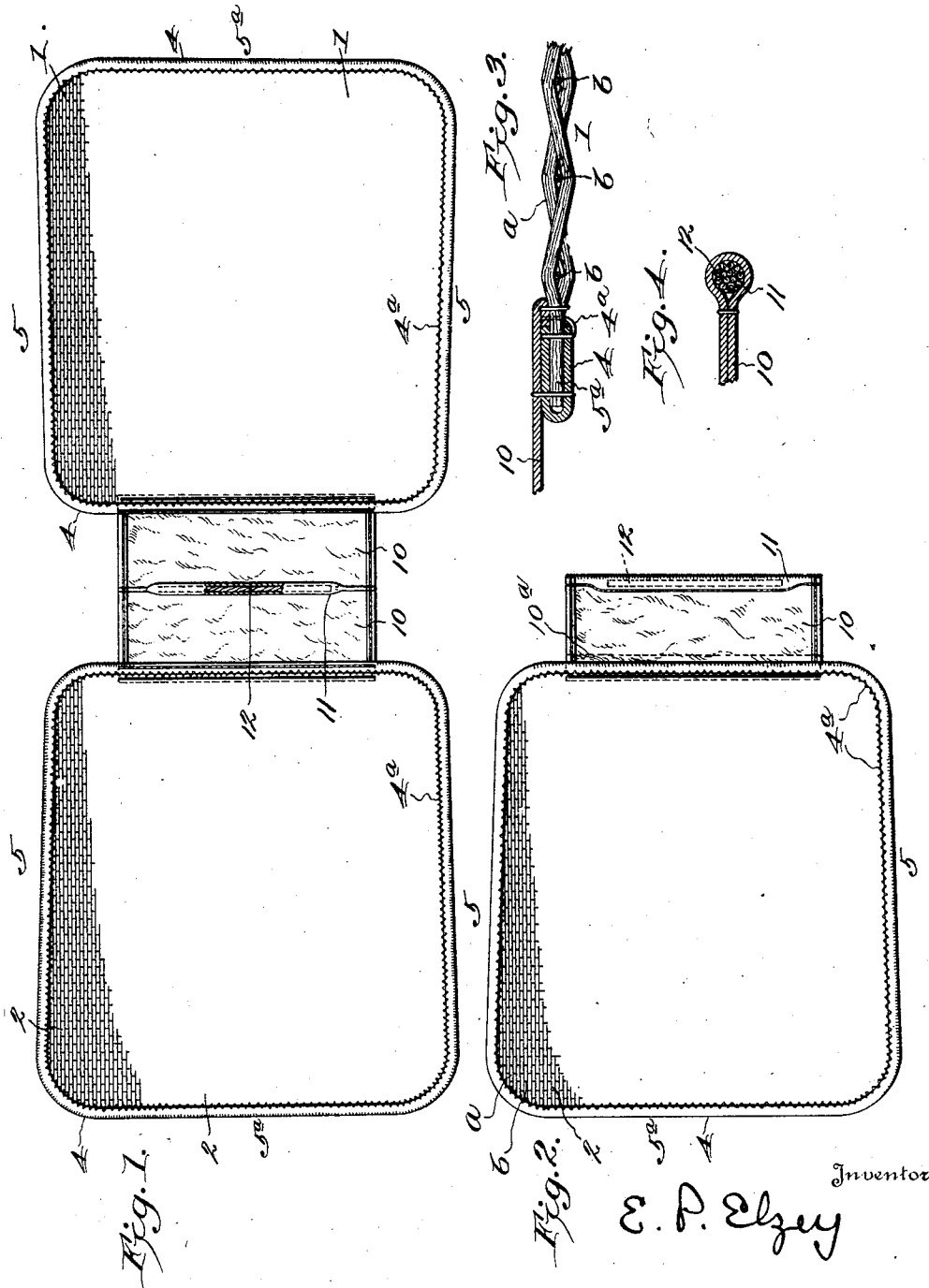
E. P. ELZEY

1,650,335

SEAT PAD

Filed Dec. 3, 1925

2 Sheets-Sheet 1



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Hubert E. Beck

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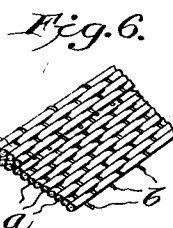
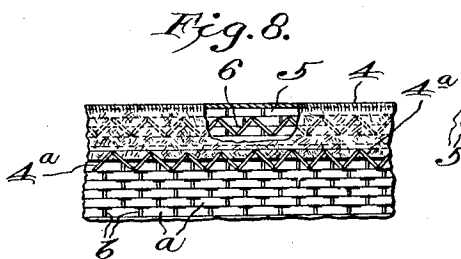
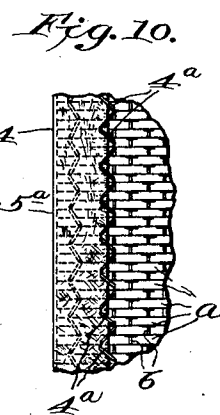
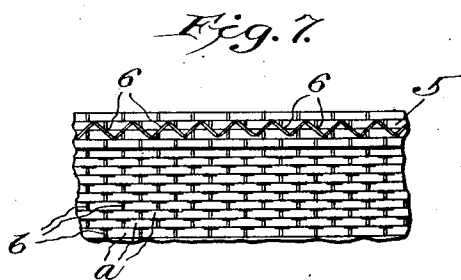
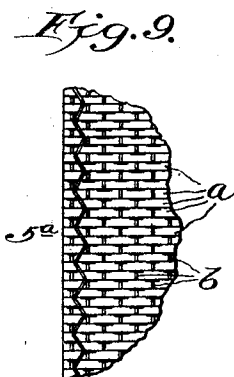
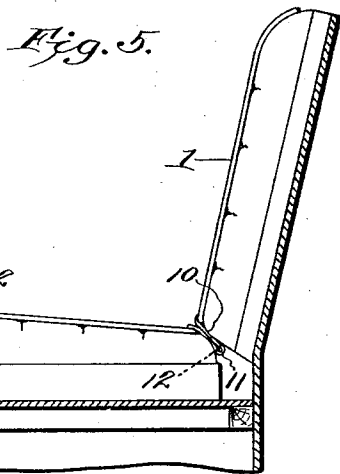
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SEAT PAD

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2 Sheets-Sheet 2



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Patented Nov. 22, 1927.

1,650,335

UNITED STATES PATENT OFFICE.

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SEAT PAD.

Application filed December 3, 1925. Serial No. 72,986.

This invention relates to folding reversible flexible matting pads or covers peculiarly adapted for automobile use; and the objects and nature of the invention will be readily understood by those skilled in the art in the light of the following explanations of the accompanying drawings that illustrate what I now believe to be the preferred mechanical expression or embodiment of the invention from among other forms, materials and constructions within spirit and scope thereof.

An object of the invention is to provide a couple of sheets of matting or equivalent material, combined with certain peculiar binding, connecting and anchoring features, and arranged in manner to attain a novel result, with the ends in view of producing a highly advantageous twin, or seat and back, pad cover for automobile cushions or equivalent situations, that will be exceedingly durable against wear and edge disintegration of the matting sheets; that will embody and carry an effective anchor for forcing between meeting portions of the seat and back cushions to anchor the pads against creeping along and dislodgment from the cushions; and that will be so arranged as to permit transverse rolling or doubling of the two flexible pads when folded together.

With this and other objects in view, the invention consists in certain novel features in construction and arrangement and in combinations and formations as more fully and particularly set forth and specified hereinafter.

Referring to the accompanying drawings:

Fig. 1 is a plan view showing the twin-pad cover of my invention straightened or flattened out, the over long hinge and anchor web being partially broken away to show the anchor pad.

Fig. 2 is a plan view of the seat pad and a portion of the over long hinge and anchor web being partially broken away.

Fig. 3 is a detail enlarged longitudinal section of the lower edge portion of the back pad and the upper portion of the over long hinge and anchor web.

Fig. 4 is a detail enlarged section through the anchor pad and a portion of the over long hinge and anchor web.

Fig. 5 diagrammatically indicates an automobile seat and the twin-pad cover arranged thereon and anchored thereto in accordance with my invention.

Fig. 6 is a detail perspective of a longitudinal side edge portion of one of the matting sheets showing the doubled back edge being secured by the cross over stitching and before being bound.

Fig. 7 is a detail view of the doubled or felled longitudinal or side edge of the matting secured by the cross over stitching, before being bound.

Fig. 8 shows said felled side edge after being bound, the binding being shown partially broken away.

Fig. 9 is a detail view showing a transverse edge of the matting before being bound.

Fig. 10 is a detail view showing such transverse edge after being bound.

The twin pad cover of my invention embodies, two flexible sheets 1, 2, of matting or so-called woven straw or grass fabric, and, if so desired, these two sheets can be similar or alike in the matters of dimensions, weight and quality of material.

These sheets are woven with the grass, straw or other strong flexible vegetable fiber stalks *a*, forming the warp, and strong thread or the like *b*, forming the weft.

The twin pads are so arranged in the completed cover, that the parallel stalks *a*, of grass or the like, run longitudinally of each sheet, i. e. from front to rear or vice versa of the seat pad, and from top to bottom or vice versa of the back pad, thus rendering the pads more or less stiff against rolling or doubling longitudinally on transverse fold lines. The small flexible parallel weft threads, thus extend transversely of the pads parallel with their front and rear or top and bottom edges, and hence render the thin pads exceedingly flexible for transverse doubling or rolling on longitudinal fold lines.

The transverse edges of the pads, the front and rear or top and bottom edges, run parallel with the weft threads and present the squarely cut ends of the grass stalks, the warp, while the longitudinal or side edges of the pads present the cut off ends of the fine flexible weft threads, and each a continuous grass stalk, with an ever present tendency of the sheet to disintegrate or unravel along its side edges by outward separation or slipping of the grass stalks from the weft threads.

Each sheet is provided with a suitable flexible continuous edge binding extending completely around the same, and in addition

the longitudinal or side edges of each sheet are strengthened and protected against disintegration and unraveling by a felling, peculiarly adapted to the present situation and peculiar arrangement of the matting sheets. For instance, each longitudinal side edge of a sheet is folded back on itself, to form doubled edge 5, and then this doubled thickness edge is sewed completely throughout its length, by a tight zigzag or cross stitch 6, that transversely straddles one or more grass stalks or warp members at both faces of the doubled edge and tightly draws and binds the layers together against possibility of disintegration by unraveling which exists where a mere straight stitch is employed.

The binding, that extends completely around the sheet, is composed of a strong flexible tape 4 of suitable material longitudinally doubled to enclose the end edges and felled side edges of the sheet, and secured to the sheet by zigzag or cross stitching 6, extending through the tape and sheet and lapping over onto the portions of the matting sheet beyond the longitudinal edges of the tape.

This cross or zigzag stitching 6, extends through both opposite edge portions of the binding tape and the intervening matting, and the cross portions of the stitch are arranged at both side faces of the binding and pad and tend to hold both sides of the binding tightly against the pad and by traversing the longitudinal edges of the binding and extending therefrom onto the side faces of the matting, hold the edges of the binding tightly against the matting and avoid the presence of the dirt collecting free longitudinal edge portions of the binding tape that are formed where straight stitching is employed.

The transverse edges 5^a, of the matting sheets are not doubled back and felled; although if so desired the cross over stitching 6, can be continued along said edges which are also bound by the flexible tape 4, secured as hereinbefore described. The longitudinal or side edges of the matting sheets are doubled back and felled and enclosed by the flexible tape binding, all as hereinbefore described. The felled secured side or longitudinal edges promote the desired longitudinal stiffness or stability of the seat and back pads against collapsing or folding on transverse lines, while not detracting from the desired capacity of the pads particularly when folded together, to roll or double on longitudinal lines for packing or storing in a small space. This transverse flexibility of the pads is promoted by the non-doubled or non-felled bound transverse edges of the matting sheets.

The back and seat pad are connected by an overlong length of strong flexible pref-

erably woven or textile fabric 10, at one end secured by transverse stitching to the bound transverse rear edge of the seat pad and at its other end secured by transverse stitching to the transverse lower or bottom edge of the back pad.

This overlong flexible web 10, is preferably relatively narrow with respect to the transverse width of the seat and back pads and at its ends is preferably centrally secured to the pads, midway the side edges of the pads.

This web 10 forms a flexible hinge connection between and an elongated anchoring means for the pads. Intermediate its length, i. e. midway between the seat and back pads, the overlong web is transversely doubled on itself and formed to provide a pocket 11, in which some suitable elongated preferably transversely flexible article 12, bulky in cross section, is arranged, and secured, longitudinally of the pocket and transversely across the web 10. The over long web 10, is thus formed, about midway its length, with a transversely arranged anchoring enlargement, with one end of the flexible web extending from the anchor to the back pad and the other end of the web extending from the anchor to the seat pad.

The opposite or two end portions of the hinge web 10, can be sewed together close to the adjacent pad edges, as indicated by dotted line 10^a, Fig. 2, to gain a short hinge action that will overcome a possible tendency of the back pad to slump or ease down between back and seat cushions, which is particularly noticeable where used on some types of upholstered seats.

The arrangement is such that the web forms an overlong hinge connection between the pads as well as an anchoring device for the pads.

The formation and arrangement is such that the cover pads can be placed on an automobile seat and anchored thereto by forcing, with the hands, the double or bite of the hinge web that contains the anchor rearwardly and downwardly between the meeting portions of the usual seat and back cushions.

The enlarged anchor of the web will be caught and held between the cushions, and the end portions of the web will hold the seat pad and permit the back pad to be swung to the back cushion or down onto the seat pad. The web ends will extend from the anchor forwardly between the abutting seat and back cushions and project beyond the meeting portions of said cushions to hold and form hinge connections for the cover pads. The elongated anchor will hold the cover pads in proper operative position and, against sidewise slipping and also against forward creeping and against dislodgment by the wind, the motion of the

car, or by contact with the clothes of persons entering and leaving the car.

The longitudinally elongated enlarged anchoring pad secured in the doubled portion or bite of the over long flexible hinge web, is preferably transversely flexible to permit doubling or rolling of the two pads when resting one on the other, although I do not wish to so limit all features of the invention.

As at present advised by experience, I prefer to form the anchor pad by a length of rope 12, inserted and sewed or otherwise secured in the pocket formed in the bite of the doubled back hinge web, although a length of chain, a rod or wood or metal, or a roll of some other material might be employed to form the elongated anchoring pad.

I also treat the pad surfaces, preferably the outer surfaces (the surfaces that lie against the seat cushions) to properly take or receive printing or stitch thereto fabric sheets bearing display printing, all for advertising purposes. By printing, I mean the application to cover pad surfaces or to such fabric sheets, display matter or indicia, preferably of an advertising nature, by any suitable mechanical or other process.

It is obvious that various changes, modifications or variations might be resorted to without departing from the spirit and scope of the invention, and hence I do not wish to limit myself to the exact disclosures hereof.

What I claim is:

1. A twin-pad seat cover embodying flexible seat and back pads and a flexible fabric web connecting the same and secured to the adjoining transverse edge portions thereof, each pad consisting of a matting sheet having a flexible binding secured to and enclosing its surrounding edge portions said sheet composed of parallel grass, or the like, stalks extending longitudinally of the pad and small flexible threads extending transversely of the pad, whereby the pad is stiffened longitudinally against folding on transverse lines, and is rendered flexible for doubling or rolling on lines longitudinal of the pad, the side or longitudinal edges of the matting being felled and enclosed within the binding, the transverse edges of the matting enclosed within the binding being non-felled.

2. A seat cover pad embodying a matting sheet wherein the warp is formed by parallel fibrous stalks extending longitudinally of the pad and the weft is formed by the

threads extending transversely of the pad, whereby the pad is stiffened against folding on transverse lines and is rendered flexible for doubling and rolling on longitudinal lines, the longitudinal edges of the matting being felled and secured by cross stitching, and a flexible binding surrounding the matting and enclosing and secured to the surrounding edge thereof and enclosing said stitched felled edges.

3. A seat cover pad embodying a flexible matting sheet having its edges parallel with the grass or the like fibres doubled back or felled and zigzag or cross over stitching securing said doubled edges, and a flexible tape binding enclosing and secured to said edges, both edges of said binding being crossed and held down tightly by zigzag stitching securing the binding tape at both faces of the matting sheet.

4. A seat cover pad embodying a flexible matting sheet, a flexible tape binding enclosing the surrounding edge of the sheet, and zigzag or cross over stitching securing the binding tape and extending through the matting and tape and at both sides of the pad extending from the tape onto the matting across the longitudinal edges of the tape, said zigzag stitching crossing both longitudinal edges of the tape and pressing the same closely down against the faces of the matting sheet.

5. A twin-pad seat cover, embodying an over long flexible hinge web connecting the two pads and secured at its ends to the adjacent transverse edge portions of the pad, said web provided intermediate its length with an elongated transverse anchoring pad enclosed therein and secured thereto to thereby form a permanent part of the seat cover.

6. As an article of manufacture, a seat cover comprising a seat pad, a back pad, and an over long anchoring and hinge forming flexible web secured at its ends to the adjacent transverse edges of the pads, each pad embodying a flexible sheet of matting having its edges bound, said web intermediate its length having a flexible elongated pad, such as a length of rope, arranged transversely thereof and enclosed and secured therein to form an enlarged anchor.

Signed at Parkersburg, Wood County, West Virginia, this 7th day of October, 1925.

EDGAR P. ELZEY.