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Z. SLAYEN

2,589,579

FOLDABLE MATTRESS

Filed April 30, 1947

FIG. 1

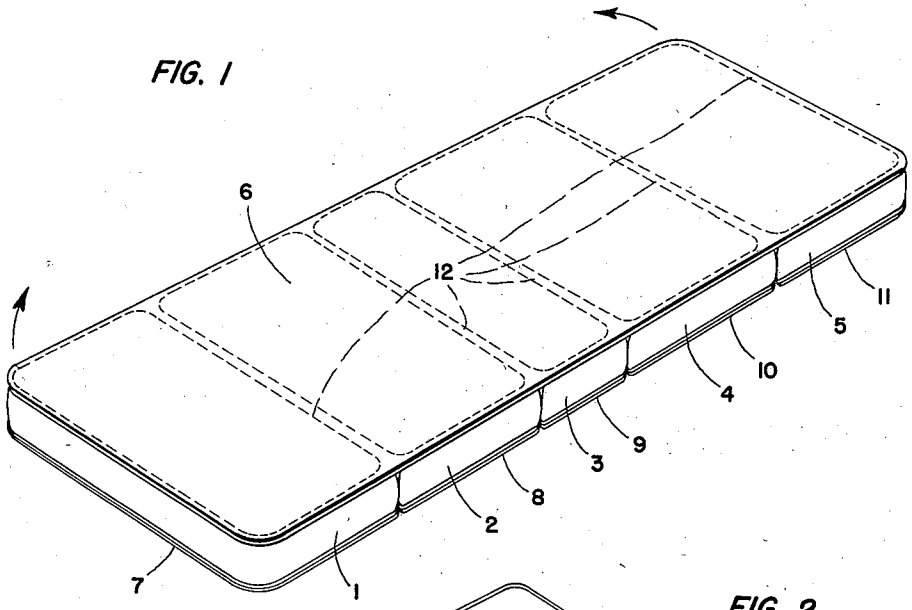


FIG. 2

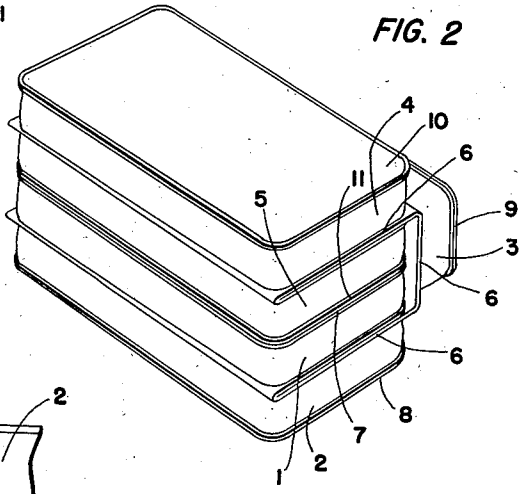
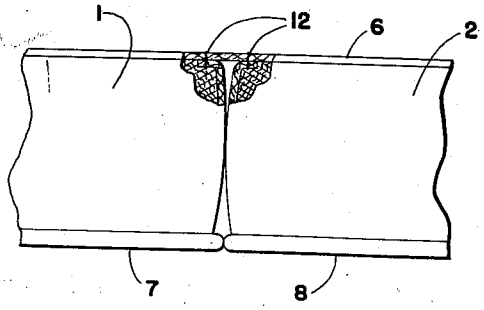


FIG. 3



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FOLDABLE MATTRESS

Zel Slayen, San Diego, Calif.

Application April 30, 1947, Serial No. 744,999

10 Claims. (Cl. 5—357)

1

My invention relates to a foldable mattress, more particularly to a mattress of the portable character and the objects of my invention are:

First, to provide a foldable mattress of this class in which the normally upper surface generally slept on is never in contact with the lower surface when in folded position;

Second, to provide a mattress of this class which may be conveniently folded into an attractive piece of furniture;

Third, to provide a mattress of this class which is very compact and readily adapted for use in camping trips or the like;

Fourth, to provide a mattress of this class which is very comfortable and yet conveniently collapsible;

Fifth, to provide a mattress of this class which employs a plurality of sections foldable against each other whereby some of the sections are equal in breadth to the thickness of other sections promoting facility in folding the upper side of the mattress against itself and preventing the lower side thereof from contacting said upper side when in folded position; and

Sixth, to provide a mattress of this class which is very simple and economical of construction, efficient in operation and which will not readily deteriorate or get out of order.

With these and other objects in view, as will appear hereinafter, my invention consists of certain novel features of construction, combination and arrangement of parts and portions as will be hereinafter described in detail and particularly set forth in the appended claims, reference being had to the accompanying drawing and to the characters of reference thereon forming a part of this application in which:

Fig. 1 is a perspective view of my mattress in straight flat position arranged to support a reclining person; Fig. 2 is a perspective view of my mattress in folded position and Fig. 3 is an enlarged fragmentary side elevational view thereof showing portions broken away and in section to amplify the section connection construction thereof.

Similar characters of reference refer to similar parts and portions throughout the several views of the drawing.

The folding sections 1, 2, 3, 4, and 5, upper ticking sheet 6 and the lower ticking sheets 7, 8, 9, 10 and 11 constitute the principal parts and portions of my foldable mattress.

The folding sections 1, 2, 3, 4 and 5 are all substantially conventional mattress pads but vary in proportions contributing to the simple folding

2

of the mattress wherein the upper surface thereof does not contact the lower surface thereof when in folded position. The folding sections 1, 2, 4 and 5 may be substantially the same width. The folding section 3 is substantially equal in width to the thickness of the sections 1 and 5 side by side, therefore the breadth of the section 3 is equal to twice the thickness of either of the folding sections 1 or 5. The cushion material of the folding sections 1, 2, 3, 4 and 5 may be made of any mattress material desired and the upper ticking sheet 6 is common to all of the sections 1 to 5, inclusive, and extends from one end to the other of my folding mattress providing a smooth unbroken upper surface on which a person may recline. The lower sides of the folding sections 1 to 5, inclusive, are provided with lower ticking sheets 7, 8, 9, 10 and 11, respectively, and these lower ticking sheets are of substantially conventional construction. As shown in Fig. 3 of the drawing, the folding sections 1 and 2 are hinged at the upper ticking sheet 6, as are all of the sections 1 to 5, inclusive in their connected relationship to each other. As shown in Fig. 2 of the drawing, the section 3 when in folded position with the other folding sections 1, 2, 4 and 5, is positioned at the edges of the sections 1 and 5 and the normally upper and lower sides of the section 3 are vertically disposed outwardly of the free edges of said sections 1 and 5.

The operation of my foldable mattress is substantially as follows:

The mattress shown in Fig. 1 of the drawing is folded in the following manner: Section 1 is folded against section 2, section 5 is folded against section 4, then the sections 2 and 4 are folded relatively to the section 3 whereupon the sections 1 and 5 engage each other at the middle of the folded mattress, as shown in Fig. 2 of the drawing, and when this mattress is in folded position, it will be noted that the upper ticking sheet 6 does not at any portion touch the lower ticking sheets 7, 8, 9, 10 or 11. In this manner, sanitary condition of the mattress is always maintained whether folded or in the flat position, as shown in Fig. 1 of the drawing, when reasonable care is taken of the mattress. In the event the mattress is used as a camping mattress, the lower ticking sheets 7, 8, 9, 10 and 11 may contact the ground and when the mattress is folded the upper ticking sheet does not contact any foreign matter picked up by the ticking sheets 7, 8, 9, 10 or 11. Thus my foldable mattress is admirably suited to camping or other outing uses. When folded into the position as shown in Fig. 2 of the drawing, my

foldable mattress may be conveniently used as a hassock or similar piece of furniture and when used in such position the upper ticking sheet 6 is maintained in clean condition so that my folding mattress may be readily converted from such a piece of furniture resembling a hassock to a bed on a moment's notice.

Though I have shown and described a particular construction, combination and arrangement of parts and portions, I do not wish to be limited to this particular construction, combination and arrangement, but desire to include in the scope of my invention the construction, combination and arrangement substantially as set forth in the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

1. In a foldable mattress of the class described, the combination of a plurality of mattress sections, an upper ticking sheet forming the pivotal hinge connection for said folding sections, the breadth of one of said sections being coextensive with the thickness sides of two of said sections when in contiguous folded position.

2. In a foldable mattress of the class described, the combination of a plurality of mattress sections, an upper ticking sheet forming the pivotal hinge connection for said folding sections, the breadth of one of said sections being equal to the thickness of two of said sections when in folded position, said plurality of folding sections including four similar folding sections and a narrower folding section at the middle of said mattress whereby the breadth of said section at the middle of said mattress is coextensive with the thickness of two of said sections at opposite ends of said mattress adjacent each other.

3. In a foldable mattress of the class described, the combination of a plurality of mattress sections, an upper ticking sheet forming an upper surface for said sections and a common hinge therefor, one of said sections being narrower in breadth, longitudinally of said mattress, than the remaining sections and arranged to be positioned at, and in coextensive relation with, the thickness sides of a plurality of contiguous other sections when in folded position whereby said upper ticking sheet is folded against itself and does not contact any of the lower surfaces of said foldable sections.

4. In a device of the character described, the combination of a plurality of mattress sections, an upper ticking sheet in connection with all of said sections forming an unbroken upper cover for said mattress, the breadth of one of said sections being coextensive with the thickness sides of other sections when said mattress is in folded position.

5. In a device of the character described, the combination of a plurality of mattress sections, an upper ticking sheet in connection with all of said sections forming an unbroken upper cover for said mattress, the breadth of one of said sections being coextensive with the thickness sides of other sections when said mattress is in folded position whereby said upper ticking member is folded against itself and does not contact the lower sides of any of said sections when in folded position.

6. In a device of the character described, the combination of a plurality of mattress sections, the breadth of one of said sections being coextensive with the thickness sides of other sections when said device is in folded position whereby said upper ticking member is folded against itself and does not contact the lower sides of any of said sections when in folded position.

7. In a folding device, the combination of a plurality of mattress sections hingedly connected at adjacent sides, the breadth of one of said sections being coextensive with the thickness sides of a plurality of other sections contiguous to said sections when in folded position.

8. In a folding mattress, the combination of a plurality of mattress sections, an upper ticking sheet in connection with all of said sections forming an unbroken upper cover for said mattress, the breadth of one of said sections longitudinally of said mattress being coextensive with the thickness sides of a plurality of other contiguous sections when said mattress is in folded position.

9. In a folding mattress, the combination of a plurality of mattress sections, an upper ticking sheet in connection with all of said sections forming an unbroken upper cover for said mattress, the breadth of one of said sections longitudinally of said mattress being coextensive with the thickness sides of a plurality of other contiguous sections when said mattress is in folded position, whereby said upper ticking member is folded against itself and is disposed inwardly of said sections, and whereby it does not contact the normally lower sides of any of said sections when in folded position.

10. In a folding device, a plurality of rectangular sections all hingedly connected together at their upper sides, a flexible means connecting adjacent edges of said sections, one of said sections being narrower than other sections of said device and disposed adjacent the normally vertical side of one of said sections and having its normally upper side disposed inwardly toward the remaining sections when in folded position.

ZEL SLAYEN.

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