March 24, 1964 E. RICKERT 3,125,768

POSTURE BOARDS

Filed Sept. 15, 1961

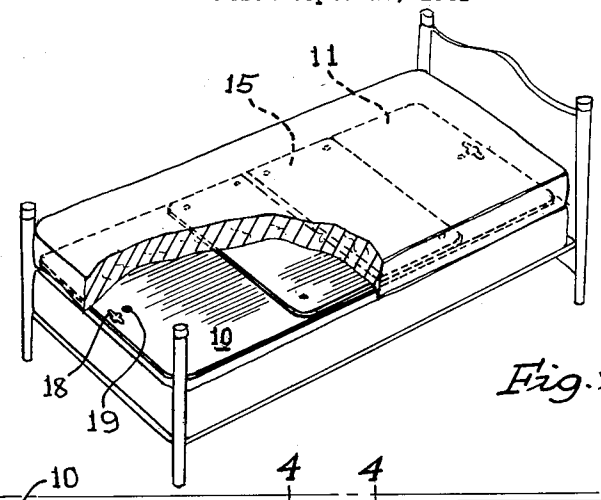



Fig. 1.

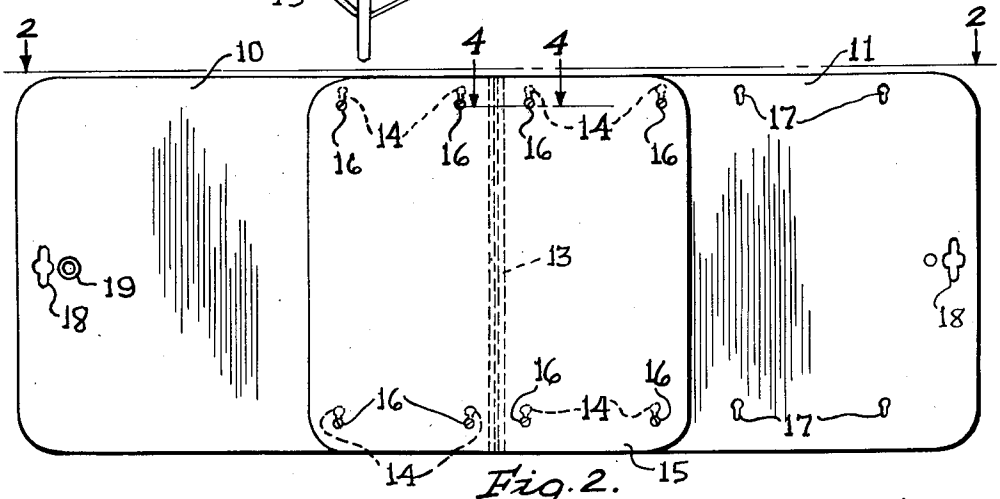



Fig. 2.

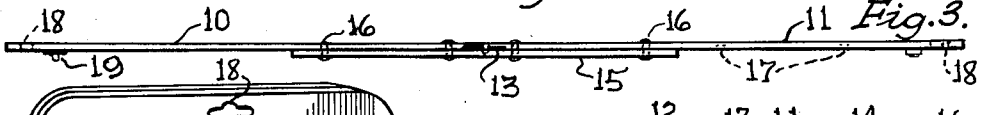



Fig. 3.

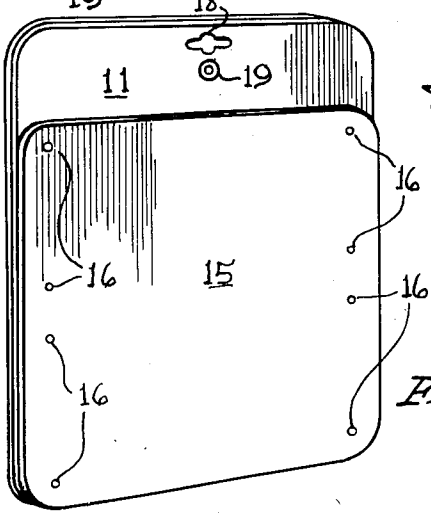



Fig. 5.

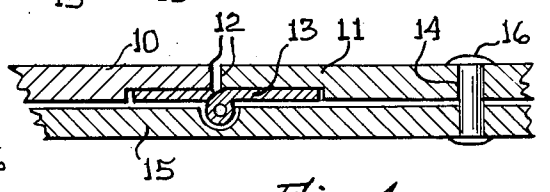



Fig. 4.

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# POSTURE BOARDS

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My invention relates to new and useful improvements in posture boards.

More specifically the board constituting my invention is especially designed for positioning beneath a bed mattress or the like for the purpose of maintaining the mattress or the like in a substantially non-sagging condition, thereby providing a sleeping surface which is sufficiently firm to assure proper posture and support of the user.

An object of my invention is to provide a posture board of the class described herein, which is portable, in that when not in use it may be folded into a compact condition for storage and to facilitate carrying the same about.

Other objects will appear hereinafter.

The invention consists in the novel combination and arrangement of parts to be hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings showing the preferred form of construction, and in which:

FIG. 1 is a perspective view of a bed showing the posture board in applied position;

FIG. 2 is a plan view of the underside of the posture board;

FIG. 3 is a longitudinal edge view of the posture board taken on line 3—3 of FIG. 2;

FIG. 4 is a fragmentary sectional detail view taken on line 4—4 of FIG. 2;

FIG. 5 is a perspective view showing the posture board in folded condition.

The several objects of my invention are preferably accomplished by the preferred form of construction shown in the accompanying drawings. In such drawings, my improved posture board comprises two main sections **10** and **11**. These sections **10** and **11** are of the same dimension and when in use extend in longitudinal relation with respect to each other. The abutting edges **12** of the board sections **10** and **11** are connected together by a hinge **13** of any approved construction. By means of this hinge **13**, the board sections **10** and **11** may be folded upon one another as shown in FIG. 5.

The board sections **10** and **11** each have spaced aligned openings **14** formed therein, the openings being arranged in parallel relation adjacent the long edges of the board sections. Such openings are of the bayonet slot type, each comprising communicating openings of different diameters.

Arranged to overlap the abutting end portions of the main boards **10** and **11** on opposite sides of the hinge **13** is a retaining board **15**. This retaining board **15** is of a width substantially the same as the width of the main boards **10** and **11** and overlaps each of the boards **10** and **11** on opposite sides of the hinge **12** a substantial distance. The retaining board **15** along opposite long edges thereof has secured thereto headed studs **16** which are adapted to be received by the bayonet slots **14** to provide removable connection between the retaining board **15** and the board sections **10** and **11**.

When the retaining board **15** is in the position shown in FIGS. 1, 2 and 3, such board serves to maintain the board sections **10** and **11** in flat alignment with respect to each other and restrains such board sections at their hinge connection from sagging. By this arrangement, the board sections **10** and **11** are maintained in a firm, flat



and aligned condition and in turn serve to firmly support the mattress in a like condition.

When the posture board is disposed beneath a mattress or the like, the mattress will be prevented from sagging, thus providing a firm, non-sagging supporting surface, resulting in proper sleeping posture.

To store or conveniently carry about the posture board, the retaining board **15** is removed from its overlapping position with respect to the main board sections **10** and **11** and is attached to one of the board sections, for example, section **11** as shown in the drawings. To accomplish this, bayonet slots **17** are formed in the board section **11** to receive the corresponding headed studs of the retaining board **15**. Upon removal of the retaining board from the overlapping position with respect to the board sections **10** and **11**, such board sections **10** and **11** may be folded in confronting relation with respect to each other. The retaining board **15**, when the sections **10** and **11** are in folded condition, is carried upon the board section **11**.

Ao facilitate carrying the posture board about when in folded condition, there are provided hand holes **18** in the sections **10** and **11** which register with respect to each other when the sections **10** and **11** are in folded condition. A suitable snap fastener **19** may be provided for releasably retaining the board sections **10** and **11** in such folded condition.

A posture board constructed in accordance with the description herein, when not in use, may be stored in a storage room, closet or the like. It may be transported about by placing the same in the trunk of an automobile, if desired, and may be conveniently used when traveling away from home, or in institutions such as hospitals or the like.

The board sections **10** and **11** as well as the retaining board **15** may be formed of such material as will best serve the purpose.

The construction of my posture board is relatively simple, resulting in manufacture at a relatively low cost.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

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

1. A posture board comprising two board sections adapted when in use to be arranged in substantial alignment with respect to each other with adjacent edge portions in abutting relation, a hinge connecting the abutting edge portions of said board sections together, a retaining board of substantially the same width as the width of the board sections and adapted when said board sections are in use to be positioned upon said board sections in overlapping relation with respect thereto over and on opposite sides of the long axis of said hinge, and bayonet slot and stud means for detachably connecting said retaining board to said board sections.

2. A posture board comprising two board sections adapted when in use to be arranged in substantial alignment with respect to each other with adjacent edge portions in abutting relation, a hinge connecting the abutting edge portions of said board sections together, a retaining board of substantially the same width as the width of the board sections and adapted when said board sections are in use to be positioned upon said board sections in overlapping relation with respect thereto over and on opposite sides of the long axis of said hinge, said board sections having bayonet slots formed therein and

said retaining board having head-bearing studs engageable in said slots for connecting said retaining board in said overlapping position to said board sections.

3. A posture board comprising two board sections adapted when in use to be arranged in substantial alignment with respect to each other with adjacent edge portions in abutting relation, a hinge connecting the abutting edge portions of said board sections together, a retaining board of substantially the same width as the width of the board sections and adapted when said board sections are in use to be positioned upon said board sections in overlapping relation with respect thereto on opposite sides of said hinge, said board sections having bayonet slots formed therein and said retaining board having head-bearing studs engageable in said slots for connecting said retaining board in said overlapping position to said board sections, one of said board sections having additional bayonet slots formed therein and said retaining board when not in use having its head-bearing studs projected through the additional bayonet slots of said one board section for mounting thereon, said board sections being folded in confronting relation with respect to each other when said retaining board is mounted on said one board section.

4. A posture board comprising two board sections adapted when in use to be arranged in substantial alignment with respect to each other with adjacent edge portions in abutting relation, a hinge connecting the abutting edge portions of said board sections together, a retaining board of substantially the same width as that of the board sections and adapted when said board sections are in use to be positioned upon said board sections in overlapping relation with respect thereto on opposite sides of said hinge, said board sections having bayonet slots formed therein and said retaining board having head-bearing studs engageable in said slots for connecting said retaining board in said overlapping position to said board sections, one of said board sections having additional bayonet slots formed therein and said retaining board



when not in use having its head-bearing studs projected through the additional bayonet slots in said one board section for mounting thereon, said board sections being folded in confronting relation with respect to each other when said retaining board is mounted on said one board section, and snap fastening means for releasably connecting said board sections in said confronting relation with respect to each other.

5. A posture board comprising two board sections adapted when in use to be arranged in substantial alignment with respect to each other with adjacent edge portions in abutting relation, a hinge connecting the abutting edge portions of said board sections together, a retaining board of substantially the same width as that of the board sections and adapted when said board sections are in use to be positioned upon said board sections in overlapping relation with respect thereto on opposite sides of said hinge, said board sections having bayonet slots formed therein and said retaining board having head-bearing studs engageable in said slots for connecting said retaining board in said overlapping position to said board sections, one of said board sections having additional bayonet slots formed therein and said retaining board when not in use having its head-bearing studs projected through the bayonet slots of said one board section for mounting thereon, said board sections being folded in confronting relation with respect to each other when said retaining board is mounted on said one board section, and snap fastening means for releasably connecting said board sections in said confronting relation with respect to each other, each of said board sections having hand holes therein.

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