# United States Patent [19]

**Bradley**

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[54] **TILTABLE HEADBOARD**


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[21] Appl. No.: **143,821**

[52] **U.S. Cl.** ..... **5/53 B,** 5/327 B

[51] **Int. Cl.** ..... **A47c 17/00,** A47c 21/00

[58] **Field of Search** ..... 5/53, 54, 59, 70, 5/74, 279, 327, 327 B, 53 R, 53 B, 53 D, 59 R, 59 C, 327 R



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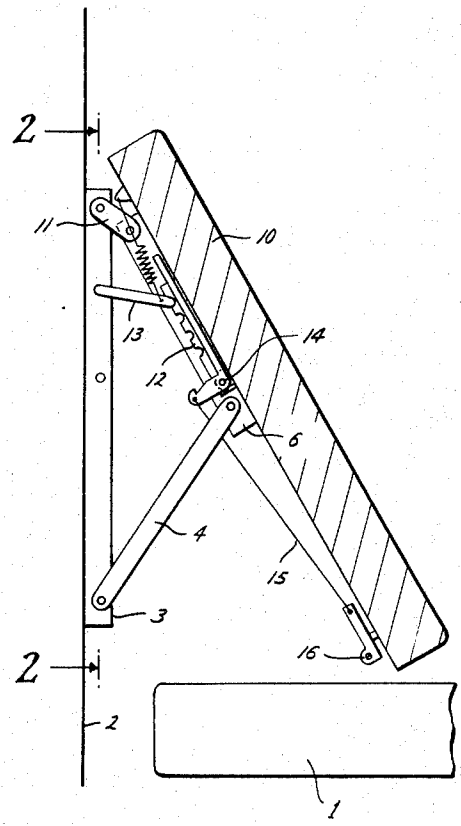
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[57] **ABSTRACT**

A headboard for use with beds having tilting mechanism mounted on supporting means, which in turn may be mounted on a wall, or other suitable anchoring means, and which will permit adjustable tilting of the headboard, while permitting the headboard to pivot at one end and travel on a plane substantially with the surface of the bed at the other end.

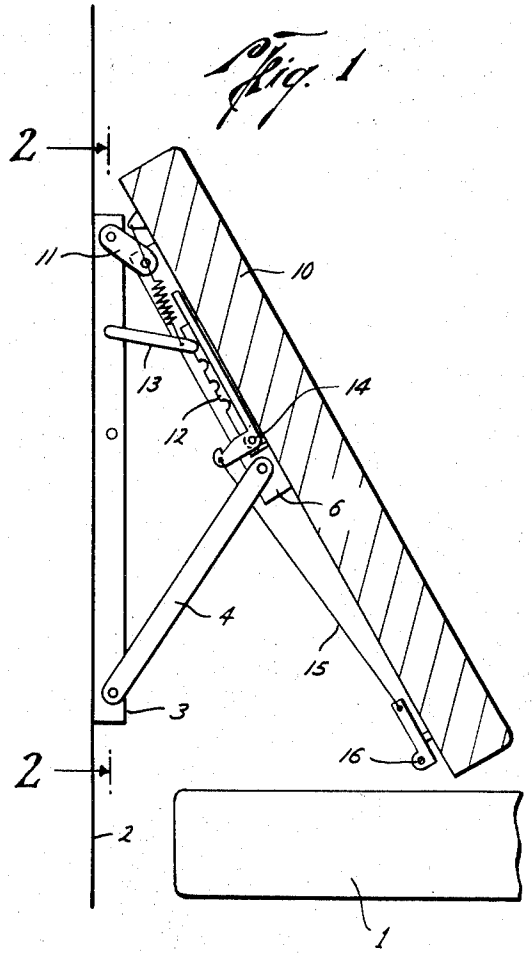

**5 Claims, 7 Drawing Figures**



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2 Sheets-Sheet 1

Fig. 1



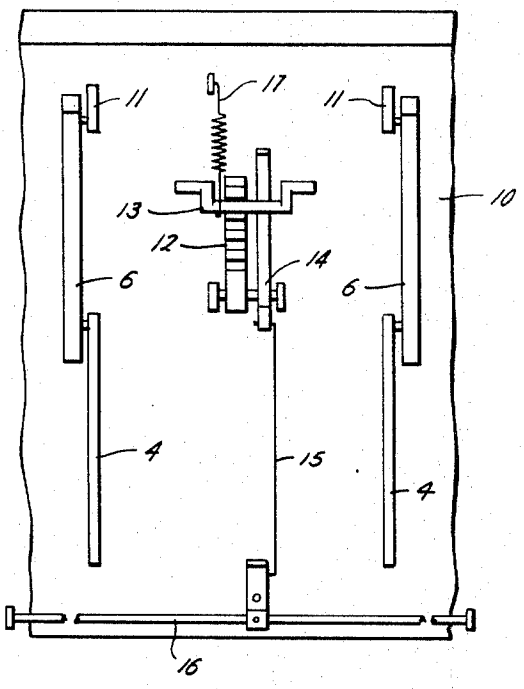




Fig. 2

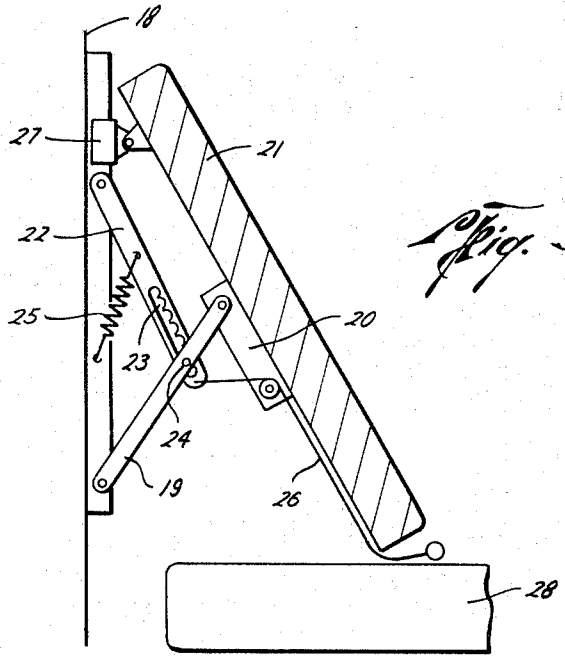



Fig. 3

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Fig. 4

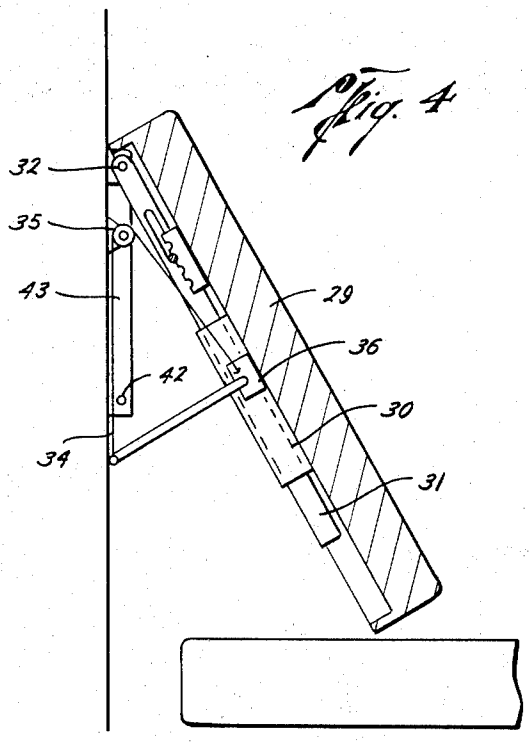



Fig. 5

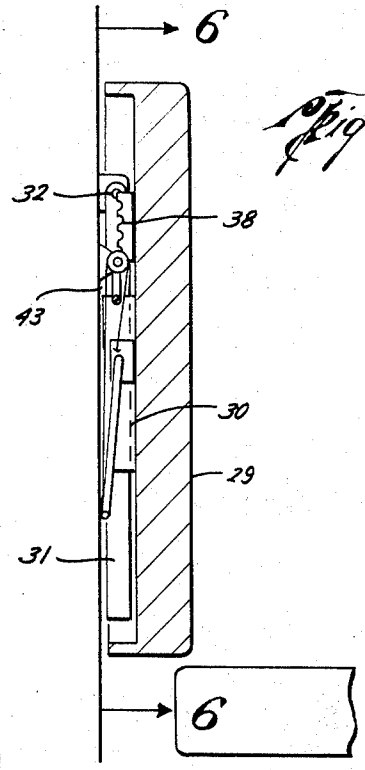



Fig. 6

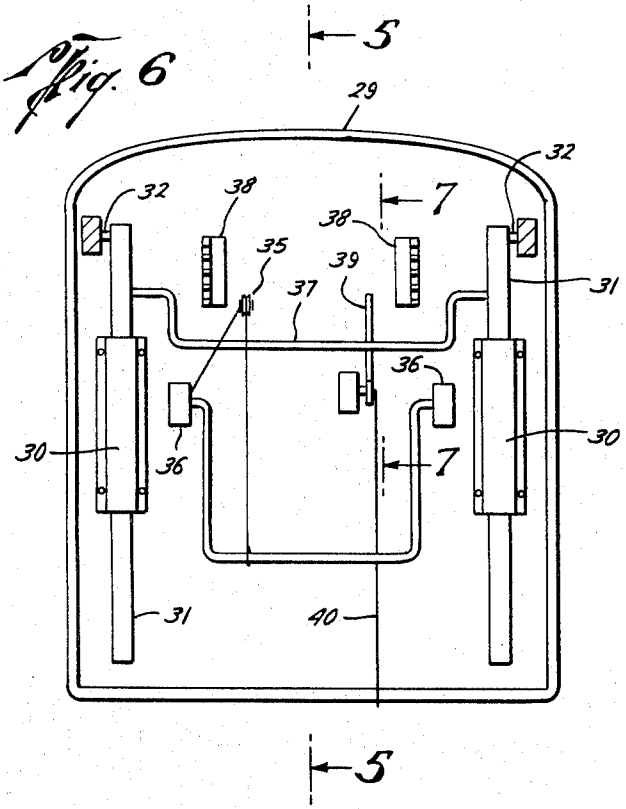
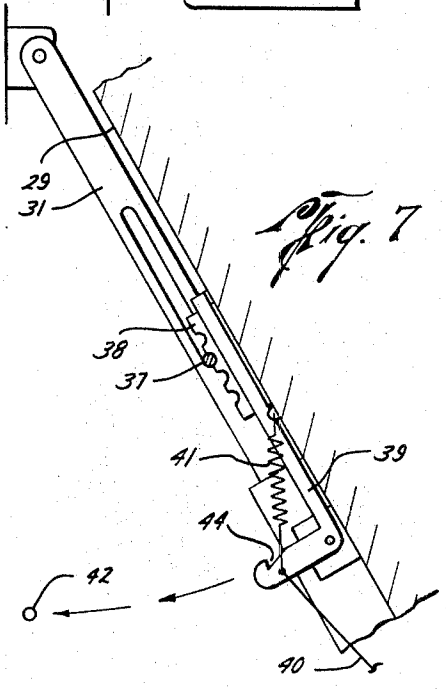



Fig. 7




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# TILTABLE HEADBOARD

## SUMMARY OF THE INVENTION

A tiltable headboard having supporting means mountable on a wall, or the like, the headboard being adjustably mounted on the supporting means and being pivotally mounted at one end and adapted to travel vertically and horizontally so that the other end will travel in a plane substantially with the longitudinal plane of the surface of the bed.

## BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a side elevational view, showing the supporting means mounted on a wall with the lower end of the headboard in extended position.

FIG. 2 is a rear elevational view of the view shown in FIG. 1.

FIG. 3 is a side elevational view of another form of the invention, showing a headboard mounted on a wall having a sliding pivotal mount.

FIG. 4 is a side elevational view of another modification of the invention, showing a headboard in extended position.

FIG. 5 is a side elevational view of the view shown in FIG. 4, taken on the line 5—5 of FIG. 6. FIG. 6 is a rear elevational view, taken on the line 6—6 of FIG. 5, and

FIG. 7 is a side elevational view of the latching means taken on the line 7—7 of FIG. 6.

## DESCRIPTION OF THE PREFERRED EMBODIMENTS

In the drawings, the numeral 1 designates a mattress of a bed situated adjacent a wall, 2, on which the supporting means 3 is mounted, said supporting means consisting of a pair of vertical members anchored to the wall and spaced apart and to each of which one end of the lever 4 is pivotally mounted, the other end of said lever 4 being pivotally mounted to the vertical supporting members 6, 6 on the headboard, and the upper end of the headboard 10 is pivotally secured to the supporting members 3 by means of the upper levers 11, 11 which are also pivotally secured to the members 6, 6. A transversely slotted bar 12, mounted on the back of the headboard 10, with the slots exposed and positioned to receive the locking bar 13, which has its respective ends pivotally mounted on the supporting members 3. A latch 14 is pivotally mounted on the headboard 10 and forms a lever actuated by the cable 15 and actuating bar 16 to raise the locking bar 13 out of a selected slot. A spring 17 yieldably maintains the bar 13 in locking position.

The headboard is normally in a vertical position, parallel with the supporting means 3 and when it is desired to tilt the headboard, the bar 16 is actuated, moving the latch 14 out of locking position, and the headboard 10 may be pivoted outwardly, the levers 4 and 11 moving the lower end of the headboard on a substantially parallel plane with the horizontal plane of the mattress 1 and the link 11 causing the upper end of the headboard 10 to travel on a vertical plane substantially parallel with the plane of the wall 2. When the desired degree of tilt is reached, and the bar 13 has seated in the selected slot, the headboard will remain locked in this position until released by again actuating the latch 14.

In the modification shown in FIG. 3, the supporting members as 17 are mounted on the wall 18 and the levers 19 are pivotally mounted at one end to the supporting members 17, and a slot is formed adjacent the other end as at 23 and indentations in said slot 23 are provided to receive the pin 24 anchored and extending laterally from the lever 19.



A spring 25 maintains the lever constantly urged into locking relation with said pin 24. A cable 26, anchored at one end to the free end of the adjusting lever 19, is provided to move the lever 22 out of locking relation with the pin 24. The upper end of the headboard 18 is pivotally anchored to the movable slide 27 and as the lever 22 is released and the headboard 21 pivoted to change the tilt, the slide 27 will move vertically on the support 17, so that the free end of the headboard will travel horizontally on substantially the same plane as the upper surface of the bed 28.

In the form shown in FIG. 4, the headboard 29 has the pair of brackets 30, 30 mounted thereon, and in which are slidably mounted the vertical members 31, 31 which are pivoted at their upper end to the supporting members as shown at 32, 32 which may be anchored to a wall or the like. A tilt control bracket 33 is pivotally mounted on the backside of the headboard 29 and a cable 34 extends from the extended portion of the bracket 33 over the pulley 35 mounted on the vertical support, or wall, and to one of the control bracket mounts as 36. A locking bar 37 is pivotally mounted in the vertical supports 31, 31 and a pair of toothed tracks 38, 38 are mounted vertically on the back of the headboard 29. When it is desired to tilt a headboard in this form of the invention, the cable 40 is pulled to trigger the lever 39 which will bear against and move the bar 37 outwardly, out of locking engagement with the toothed members 38, 38 causing the vertical members 31, 31 on the headboard to slide vertically in the brackets 30, 30 and the cable 34, anchored at one end to the bracket 33, will move the extended end of the bracket 33 vertically as the headboard is pivoted outwardly or inwardly, and when the desired position has been reached, the lever 39 is released and the bar 37 permitted to move into the selected slots of the members 38, locking the headboard against further movement. The cable 34 is threaded over the bar 37 urging same in engagement with the teeth of the members 38.

The bar 37 is moved out of locking position by means of the lever 39, which is pivotally mounted on the headboard 29 and which may be activated by the cable 40. A locking pin, as 42, is mounted on or adjacent the supporting members 43, and a notch 49 formed in the lower end of the lever 39, engages the pin 42 to lock the headboard in vertical position, and the spring 41 yieldably maintains the notch 41 in engagement with the pin 42 to lock the headboard in vertical position.

What I claim is:

1. A tiltable headboard having a controlled path of travel over the top of a mattress, wall mounted vertical supporting members, upper and lower pivot means connecting said supporting members and said headboard, a locking member releasably engaging said supporting member and headboard having means for selectively maintaining one of a plurality of positions to support the headboard at the desired angle of tilt.

2. The device defined in claim 1 wherein said upper and lower pivot means comprise movable links, and the locking member is pivotally mounted at one end on the supporting means and the other end of which selectively engages the headboard at one of a plurality of po-

sitions, means for constantly urging said locking member into locking position and means for selectively releasing said locking member.

3. The device defined in claim 1 wherein said upper and lower pivot means comprise movable links, a locking member pivotally mounted at one end on the supporting means and having a plurality of slots formed therein, a pin extending laterally from the lower link, said pin adapted to be selectively engaged in one of said slots to lock the locking member in position, means for urging said locking member into locking position and means for manually releasing said locking member from locking position.

4. The device defined in claim 1 wherein the upper pivot means are elongated members slidably mounted in brackets mounted on said headboard, and said lower pivot member is a cable controlled pivotal tilt supporting member mounted on said headboard and bearing against said vertical supporting member, a cable anchored at one end to said tilt supporting member and extending over a pulley mounted on said supporting means and anchored at the other end to the headboard, a pivotally mounted locking member on said elongated members movable into and out of locking position on said headboard and means for urging said locking member into locking position.



5. The device defined in claim 1 wherein the upper pivot means are slidably mounted on the vertical supporting members and the lower pivot means consist of links, pins extending laterally from said lower pivot means, locking means pivotally mounted on the supporting means having a plurality of slots formed therein adapted to selectively engage with said pin, means for urging said locking means into locking position and means for selectively releasing said locking means from said pin.

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