Oct. 19, 1954 M. H. WARSHAVER 2,692,009

BED WITH STORAGE COMPARTMENT

Filed May 14, 1951 2 Sheets-Sheet 1

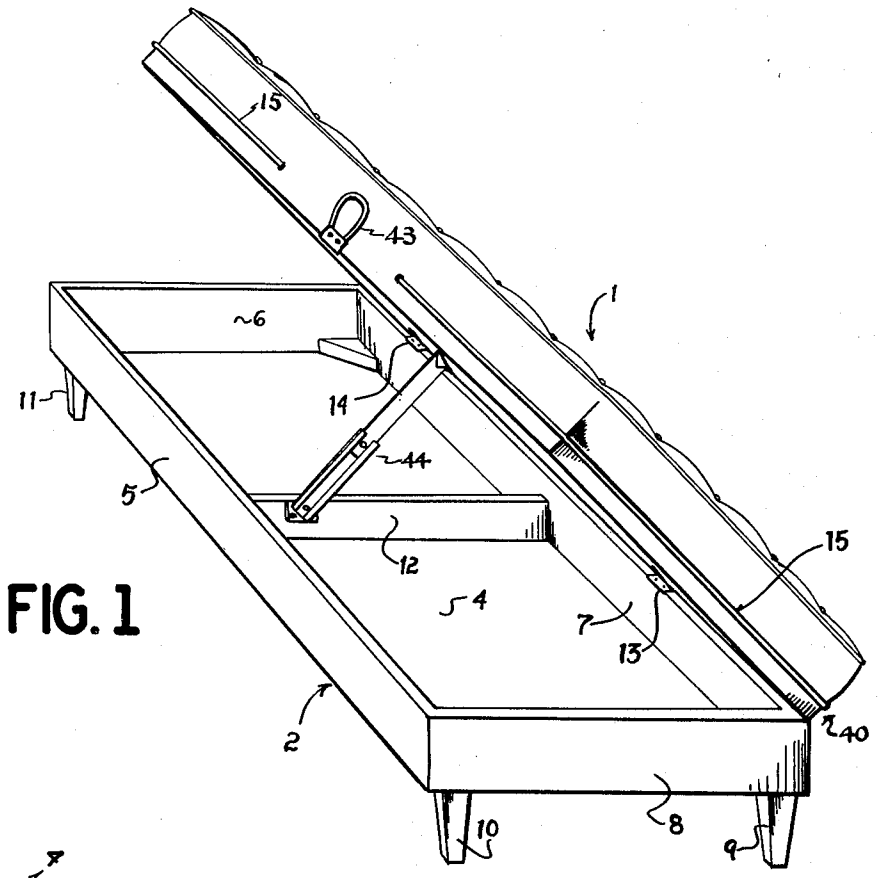


FIG. 1

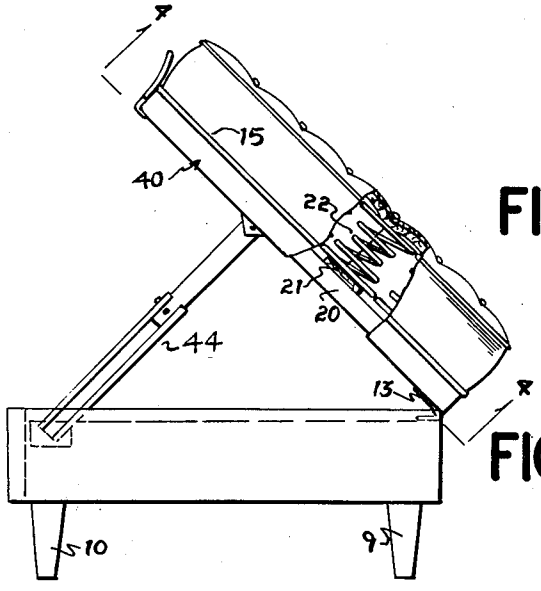


FIG. 2

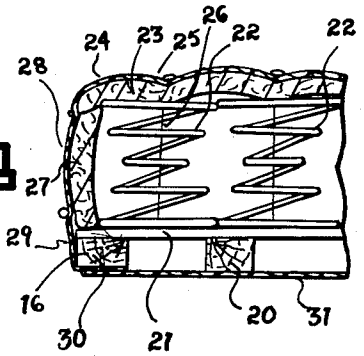


FIG. 3

INVENTOR.
Milton H. Warshaver
BY Ezekiel Wolf
his Attorney

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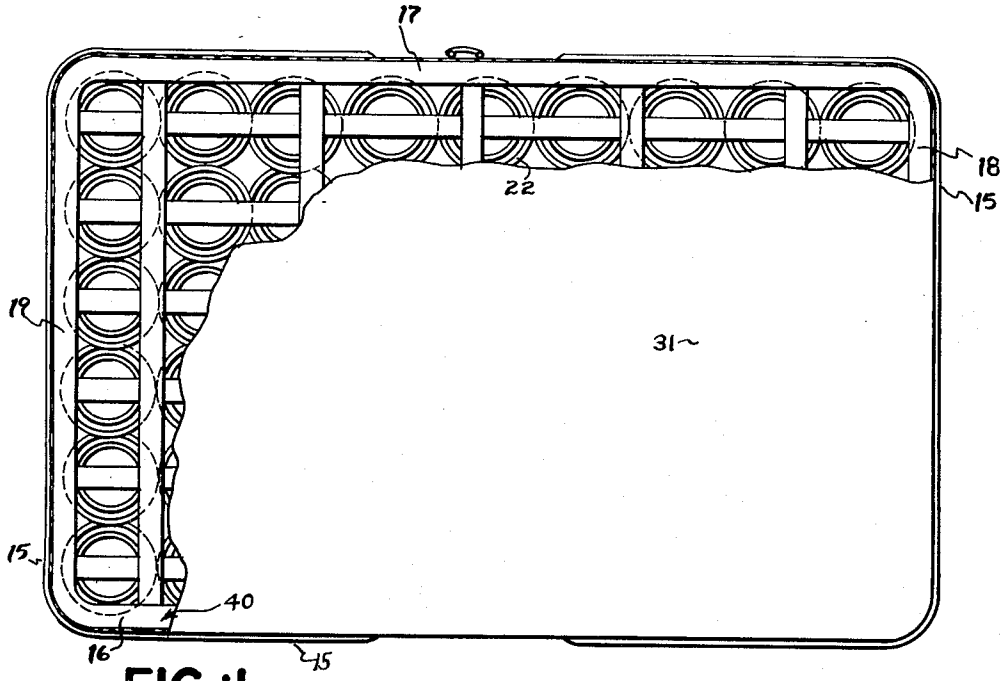


FIG. 4

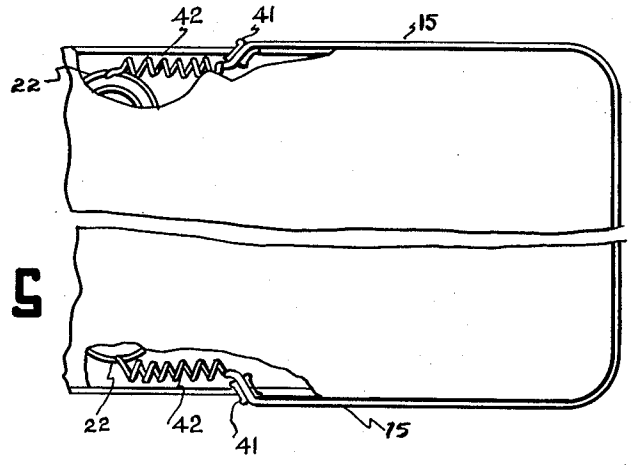


FIG. 5

INVENTOR.
Milton H. Warshaver
BY Ezekiel Wolf
his Attorney.

Patented Oct. 19, 1954

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UNITED STATES PATENT OFFICE

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BED WITH STORAGE COMPARTMENT

Milton H. Warshaver, Boston, Mass., assignor to Slumberland Products Company, Waltham, Mass., a corporation of Massachusetts

Application May 14, 1951, Serial No. 226,151

2 Claims. (Cl. 155—114)

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The present invention relates to a bed and more particularly to the low type of bed generally designated as a "Hollywood" bed in which there may be a head board but usually no foot board.

One of the objects of the present invention is to construct a bed of the type named which will have space for storage of blankets, pillows or other useful articles usually used with the bed itself.

A further purpose of the present invention is to provide a mattress structure in the type of bed described which is formed as an integral part of the bed itself, so that the mattress unit is not removable from the bed structure but is an integral part of it.

The advantage gained in the present invention is that this adds to the utility and convenience in providing a structure wherein items associated with the bed might be stored.

While the present invention is illustrated in connection with a mattress structure employing helical or coil springs, the invention is also adaptable for other types of mattress springs such as cantilever or leaf springs which may also be used in the present invention.

The invention will be more fully described in connection with the drawings illustrating an embodiment thereof, in which:

Figure 1 shows a view of the bed of the present invention in perspective in an open position.

Figure 2 shows an end view of the view shown in Figure 1 with a portion in fragmentary section.

Figure 3 show a fragmentary section through a portion of the mattress structure.

Figure 4 shows a sectional view as shown on the line 4—4 of Figure 2 with a portion of the bottom cover broken away, and,

Figure 5 shows a detail partly in fragmentary section.

In the drawings the bed comprises two hinged or joined sections, the upper section 1 which may be called the cover or mattress section and the lower section 2 which may be called the box storage section. The lower section 2 comprises a completely enclosed rectangular box with a bottom 4 and side walls 5, 6, 7 and 8, the length running a bed length. The corners may be supported by short legs 9, 10, 11 and a further corner leg not shown. The box is provided with one or more cross partitions as indicated at 12. The lower box structure 2 is preferably about the same depth or width as the top cover or mattress unit 1 and provides a storage compartment of something of the order of 12" in depth.

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The box unit is made of a rigid frame, preferably wood or wood and metal. The top unit has a rigid base frame which is hinged by a set of hinges 13 and 14 at the edge of one long side wall as shown in Figure 1. The upper mattress unit is formed with a rigid supporting frame 40 which is preferably formed of wood and with side frame elements 16 and 17 and end frame elements 18 and 19 which form a substantially rigid structure on which the mattress element is formed. The whole top unit 1 is formed on the hinged supporting frame 40. For this purpose there is provided a group of parallel beams 20 running lengthwise with the end supports, 16 and 17 and a group of cross boards 21 running cross-wise over the beams 20. The coiled springs 22 (Figure 3) are supported or mounted upon the cross supports 21 and on these rest the usual layer 23 of batting, felt or the like over which the cover 24 is secured. Tufting buttons 25 may as commonly practiced in the art, be held by tufting cords 26 passing down through the springs. The springs may be secured in any suitable manner to the cross support elements 21.

The sides of the mattress may also be built up on and around the supporting frame by uniting the side filling elements 27 with the side covers 28 which are sewed to the top cover which may be ticking or any other suitable fabric commonly used in mattress construction. The side cover element 28 extends downward over the edge face of the frame as shown at 29 and is secured on the under side at 30 to the supporting frame. A complete bottom cover 31 may be used to cover over the beam structure and supporting frame at the bottom of the mattress.

The mattress unit 1 is provided with a pair of cords 15 which extend from one long side around the end of the mattress to the other long side. The construction of these cords is shown in Figure 5. The cords pass through a grommet or hollow rivet 41 in the side wall of the mattress and are attached at the ends of helical springs 42 which at their other end may be attached to the side of the mattress springs 22 or to any other suitable element within the mattress. The springs tend to hold the cord 15 tightly around the sides of the mattress so that the sheets may be tucked around the sides of the mattress by simply extending the cord slightly, inserting the sheet in between the side of the mattress and the cord and then letting the cord go back into place. The cord is shown as extending around both ends of the mattress and being secured near the middle of the side of the mattress.

If desired a single cord may be used extending from one side of the mattress around the whole mattress back to the same side again, secured in a similar manner as indicated in Figure 5.

The arrangement of the cord as above described is particularly useful in the present device because the mattress cannot be raised except by opening the top cover and therefore there is no possibility of tucking the sheets under the mattress as the usual practice in making beds. While it is possible of course to raise the top cover and tuck the sides of the sheets into the open box, this is not practical because the sheets are too securely held, and as a result when someone gets into bed there would be a considerable strain upon the sheets and they may be torn. In fact the use of the cord around the side of the mattress will provide sufficient tension to keep the sheets nicely in place until the bed is in use whereupon the person in the bed can readily draw the sheet to any extent he desires through the cord without any liklihood of tearing the sheets.

The interior compartments of the box structure may be used for extra blankets and even for the storage of linen used for the bed as they will be kept very clean, particularly since the bottom face of the top cover or mattress section is covered by a complete covering **31**. The mattress section is preferably provided with a handle **43** along its long side and with a pivoted telescoping link **44** of the usual type used for maintaining covers in their raised position.

Having now described my invention, I claim:

1. A bed of the type described comprising an open top rectangular box having a level top edge, a mattress having a rigid base elongated frame with sides and ends thereof coextensive with said box supported on the open top, means hinging said frame along one long side of the box at the top edge thereof and a cord having spring tensioning means, said cord extending around both ends of said frame, said spring tensioning means comprising a helical spring having one end fixed to a spring within the mattress and a cord connected to the end of said helical spring which cord passes through an opening in the side wall of the mattress and means attaching the other end of the cord to the other side wall of the mattress.

2. A bed of the type described comprising an open top rectangular box having a level top edge, a rigid frame coextensive with the top of said rectangular box and hinged thereto along one of the edges of the rectangle, a mattress structure having sides and ends supported permanently upon said frame with the sides of the mattress coextensive with the sides of the frame in a vertical direction, said mattress having a cover covering the outer surface of said frame, and a cord having spring tensioned means, said cord extending around both ends of said frame, said spring tensioning means comprising a helical spring having one end fixed to a spring within the mattress and a cord connected to the end of said helical spring which cord passes through an opening in the side wall of the mattress and means attaching the other end of the cord to the other side wall of the mattress.

References Cited in the file of this patent

UNITED STATES PATENTS

Number	Name	Date
676,215	Bedell	June 11, 1901
1,119,275	Gregor	Dec. 1, 1914
2,260,815	Young	Oct. 28, 1941
2,264,064	Breslauer	Nov. 25, 1941

FOREIGN PATENTS

Number	Country	Date
7,086	Great Britain	Apr. 6, 1893
47,208	Norway	Nov. 18, 1929