

(No Model.)

G. O. RICHARDSON.
FOLDING BED.

No. 512,901.

Patented Jan. 16, 1894.

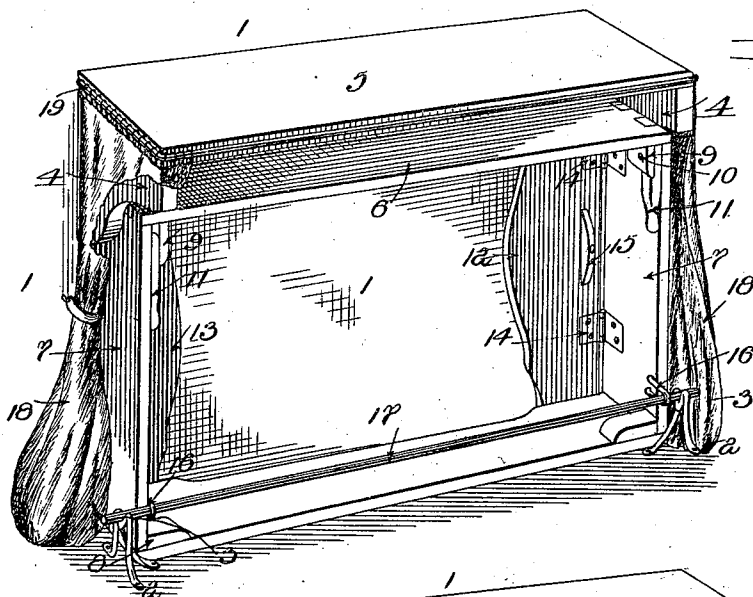


Fig. 1.

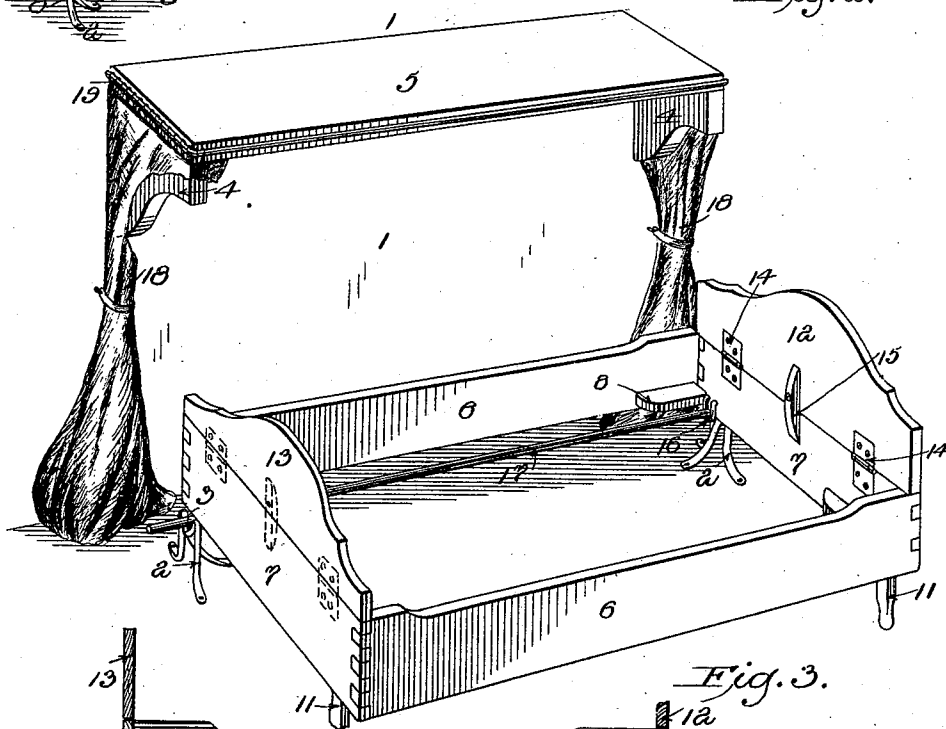


Fig. 2.

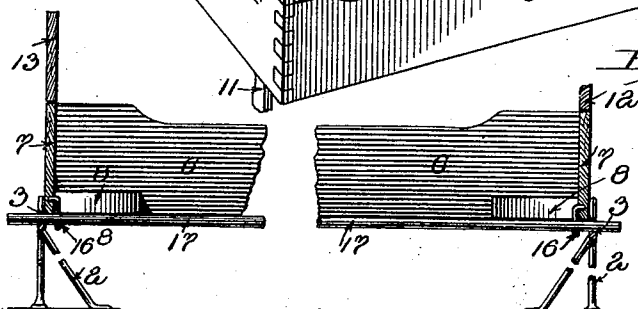


Fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE O. RICHARDSON, OF SUMMERVILLE, OREGON.

FOLDING BED.

SPECIFICATION forming part of Letters Patent No. 512,901, dated January 16, 1894.

Application filed May 16, 1893. Serial No. 474,408. (No model.)

To all whom it may concern:

Be it known that I, GEORGE O. RICHARDSON, a citizen of the United States, residing at Summerville, in the county of Union and State of Oregon, have invented a new and useful Folding Bed, of which the following is a specification.

My invention relates to improvements in folding-beds; the objects in view being to produce a bed of very simple construction, which will afford very few crevices where vermin may hide, and which when folded will be conveniently hidden from view by a superimposed mantel-piece secured to a wall directly over the support for the bed.

Other objects and advantages of the invention will appear in the following description, and the novel features thereof will be particularly pointed out in the claim.

Referring to the drawings: Figure 1 is a perspective view of a bed constructed in accordance with my invention, the same being folded. Fig. 2 is a similar view, the bed open. Fig. 3 is a longitudinal sectional view of the bed frame.

Like numerals of reference indicate like parts in all the figures of the drawings.

Adjacent to the wall I secure to the floor of a room a pair of opposite bearing-standards 2. These bearing-standards are preferably formed of metal and of tripod-form, the branches of the tripod being flattened, bent, and perforated to form suitable securing feet, through which screws may be passed into the floor. The upper ends of the tripods, in the present instance, have half-bearings 3. These tripod bearing-standards are at equidistant points from the wall, and directly over the same is a pair of brackets 4 which project from the wall, are secured thereto in any suitable manner, and support a mantel or shelf 5 permanently in position. Any ordinary bed-frame may be employed, but I prefer the one herein shown and to be described. The bed-frame herein shown consists of the opposite side bars 6 and end-bars 7, the same being mitered or otherwise joined at their corners, and made rigid through the medium of corner-blocks 8, these corner blocks at one side being provided with recesses 9 between the end-bars and themselves. In the recesses 9 of the outer

corner-blocks, beams or bolts 10, supporting legs 11, are pivotally supported. The legs are cut away upon their inner sides so as to fold up flat under the blocks 9 and parallel with the bars 7. The head and foot-boards 12 and 13, respectively, are hinged as at 14, to the upper edges of the end-bars, whereby they are capable of being folded over flat upon the bed-frame, and thus serve to maintain the bed-ding within the frame when the bed as a whole is elevated in a manner hereinafter described. Turn-buttons 15 are pivoted to the foot and head boards respectively, and when rotated to a vertical position their lower ends overlap the inner sides of the end-rails, thus maintaining the head and foot boards in vertical alignment therewith.

A pair of U-shaped clips 16 is secured to the inner faces of the end bars 7, and in said clips there is arranged a longitudinal rod 17, which is located under the bed frame and extends beyond the end-bars thereof, as shown, thus forming journals which take into the half-bearings of the before mentioned bearing-standards.

Upon the corner-blocks with which the frame is made rigid there rests the usual spring-bed bottom for the support of a mattress. When it is desired to fold the bed the turn-buttons 15 are rotated to a horizontal position, the head and foot-boards swung down upon the bed, and the latter swung up, there being sufficient room between the floor and mantel to receive the said bed-frame. The presence of the bed is concealed by the employment of curtains or other drapery 18, which is hung by rings 19 to a wire or rod, whereby said curtains or drapery may be divided for the raising and lowering of the bed.

From the foregoing description in connection with the accompanying drawings, it will be seen that I have provided a bed of great simplicity, presenting few crevices wherein vermin may hide, and adapting the same to be conveniently covered from view when not in use, and also for a retention of the bedding within the frame when the frame is raised. In lieu of the journal rod, any ordinary bearing lugs may be applied to the ends of the bed-frame and serve the same purpose, but it will be understood that such lugs must be arranged

below and contiguous to the plane of the lower edges of the end bars, and must be set forward from the vertical plane of the inner or rear side bar. It should be noted, furthermore, 5 that the distance from the journal-rod to the rear surface of the rear side-bar is equal to the elevation of the half-bearings from the floor, whereby when the bedstead is in a vertical or folded position the said inner or rear 10 side bar is contiguous to or rests upon the floor. Furthermore, the inner legs of the tripod standards, in addition to preventing side-wise vibration of the standards, occupy positions in a vertical plane extending through 15 the half-bearings, and hence, when the bed-frame is in a vertical position the portion of the frame below the journal-rod bears against these inner legs, which thus serve the purpose of stops to hold the frame in a vertical position and out of contact with the wall or surface 20 in rear thereof. The advantage of this independent support of the bed-frame resides in the fact that it avoids the formation of crevices between the bed-frame and the wall for a lodgment of vermin, and the advantage 25 in arranging the parts to cause the rear side-bar of the frame to lie close to the surface of the floor is that the frame folds more compactly and its front or outer side bar is elevated a less distance from the floor, hence enabling the mantel to be arranged in a more 30

convenient position and avoiding unnecessary exertion in raising the frame to its folded position.

Having described my invention, what I 35 claim is—

The combination of tripod standards provided at their upper ends with bearings and having inner legs arranged in a vertical plane embracing said bearings, a bed-frame, and a 40 journal-rod secured to the end bars of the frame contiguous to and below the plane of the lower edges thereof, and at a distance from the rear side bar of the frame which is approximately equal to the height of the bearings in 45 the standards, the terminals of said journal-rod being mounted in the bearings, whereby when the bed-frame is folded its rear side bar is arranged in proximity to the floor and the portion of the frame below the journal-rod 50 engages the inner legs of the standards to hold the frame in a vertical position and out of contact with a contiguous wall, substantially as specified.

In testimony that I claim the foregoing as 55 my own I have hereto affixed my signature in the presence of two witnesses.

GEORGE O. RICHARDSON.

Witnesses:

G. W. GREGG,
S. T. BARNES.