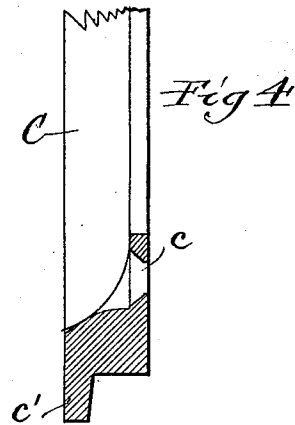
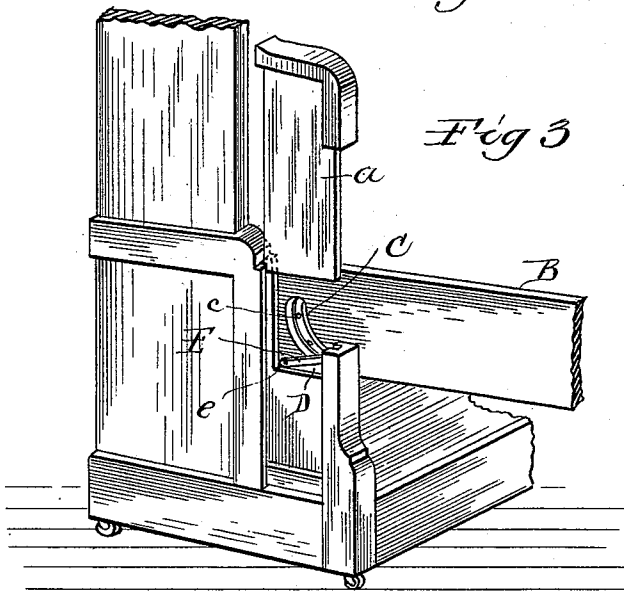
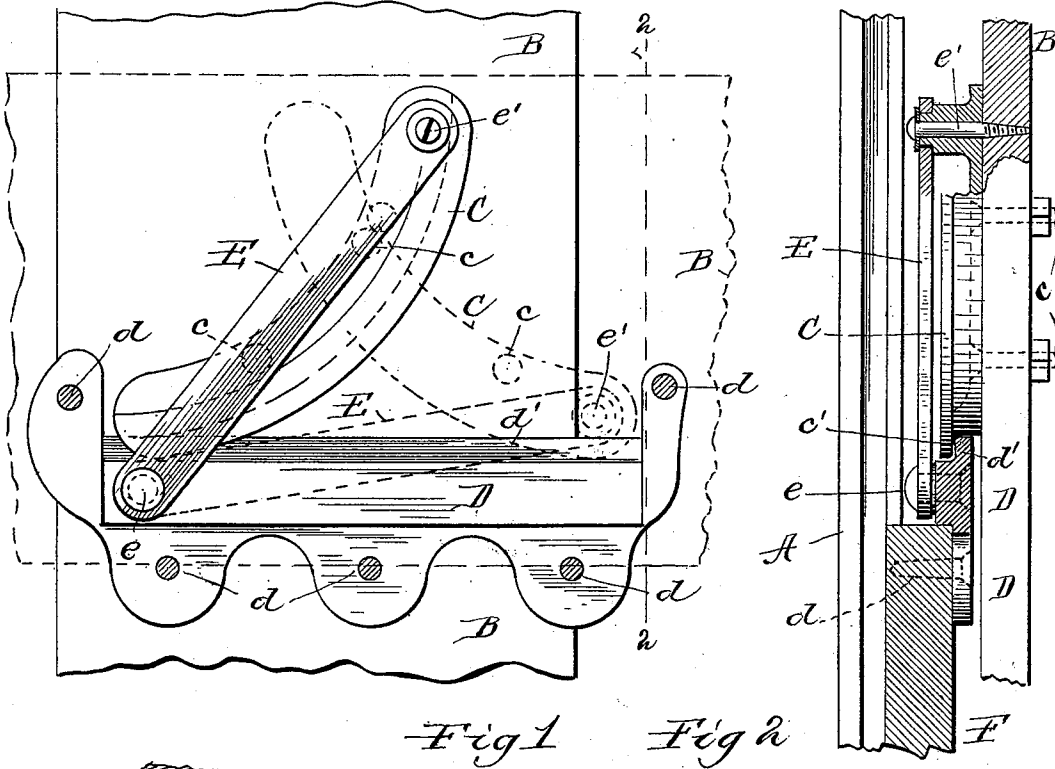


(No Model.)

C. BOSTAD.
FOLDING BED JOINT.

No. 520,751.

Patented May 29, 1894.



Witnesses
W. C. Corlies
M. H. L. Wing

Inventor
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UNITED STATES PATENT OFFICE.

CHRISTIAN BOSTAD, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE AUTOMATIC FOLDING-BED COMPANY, OF SAME PLACE.

FOLDING-BED JOINT.

SPECIFICATION forming part of Letters Patent No. 520,751, dated May 29, 1894.

Application filed February 1, 1894. Serial No. 498,730. (No model.)

To all whom it may concern:

Be it known that I, CHRISTIAN BOSTAD, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Folding-Bed Joints; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to the joint uniting the bed to the case or standard.

Its objects are to secure a proper balance of the bed by shifting the pivotal point toward the foot as the bed descends; to reduce the friction to the minimum; to prevent the main parts of the bed from separating in moving; to guard against accident due to the spreading of the sides of the case; and to provide for easy access to the joint.

The invention consists of a smooth faced, flanged rocker secured to the bed rail and running upon a level track secured to the case, in connection with a link pivoted at one end to the bed rail and at the other to the case, and a door in the wall of the case where by the joint is easily uncovered.

In the drawings, Figure 1, is a side elevation of the joint and a portion of the bed. Fig. 2, is a vertical transverse section on the line 2—2 of Fig. 1. Fig. 3, is a detail in perspective of a portion of the case and bed. Fig. 4, is a transverse section of the rocker.

The bed case, or standard, and the bed presenting no novel features except as to the means for providing ready access to the joint, I have shown only such parts thereof as are necessary to reveal the invention. A portion of the standard is shown at A, and of the bed rail at B. A rocker, C, of metal is secured to the bed-rail by the bolts, c. The face, or tread, of the rocker is smooth and is in the form of a true arc of a circle. A level metal track, D, is secured by means of the screws, d, d, to a block, F, attached to the inner wall of the standard so as to offset from the wall, and upon this track the rocker rides. The rocker is pivoted at its outer edge with a ra-

dial flange, c', like a car wheel. This flange, c', extends downwardly below the surface of the track D, at its outer side, that is between the track and the wall of the standard, A. The joints upon opposite sides of the bed being of the same form the flanges, c', prevent the tracks, D, from spreading should the walls of the standard become warped, or distended in any other way, and all danger of the bed falling by reason of the rocker leaving the track is obviated. The rocker is set with its inner, or rearward, end adjacent to the lower edge of the bed-rail, B, and extends upwardly and forward, or toward the foot of the bed, at an angle, approximately, of forty-five degrees, with reference to the longitudinal direction of the bed-frame. Folding beds are provided with counter weights at their inner or head ends. As the bed descends the center of gravity of the outer end recedes from the perpendicular more rapidly than that of the inner end so that to secure a proper balance through the entire movement it is necessary to have the fulcrum movable so as to lengthen the leverage of the inner end as the bed approaches the horizontal. This object is attained by the use of such a rocker joint. The track piece, D, being offset a recess is formed between its tread portion and the wall of the standard to accommodate the rocker flange and also a rigid link, E, which is pivotally secured at one end to the track piece within this recess as shown at, e; and near the inner end of the track, its other end being pivotally secured to the outer end of the rocker as shown at, e'. The pivotal adjustment of the link is such that it travels through the same angle as the rocker, thereby admitting of its attachment to the standard and bed-frame being positive. The functions of the link are to prevent the rocker from sliding upon the track; to prevent the bed from being changed in its angular relation to the standard, and to prevent the bed and the standard from being separated in moving. The bed and standard are, nevertheless, easily separable by the removal of the screws, e'. It is, of course, necessary that the joint be covered from view. To provide access to it for the purpose above mentioned the standard, A, is provided with a door in

the form of a slide, *a*, carried by vertical ways.

I claim as my invention—

The combination with a folding bed and its
5 standard of a level track, *D*, secured to the
inner side of the standard and offset from it;
a curved rocker secured to the side of the
bed so as to ride upon the track and having
a radial flange at its outer edge adapted to
10 depend below the top of the track, and a link,

E, pivotally attached to the standard and to
the bed-rail and adapted to swing through
the same angle as the rocker, substantially
as described and for the purpose specified.

In testimony whereof I affix my signature in 15
presence of two witnesses.

CHRISTIAN BOSTAD.

Witnesses:

LOUIS K. GILLSON,
M. H. L. WING.