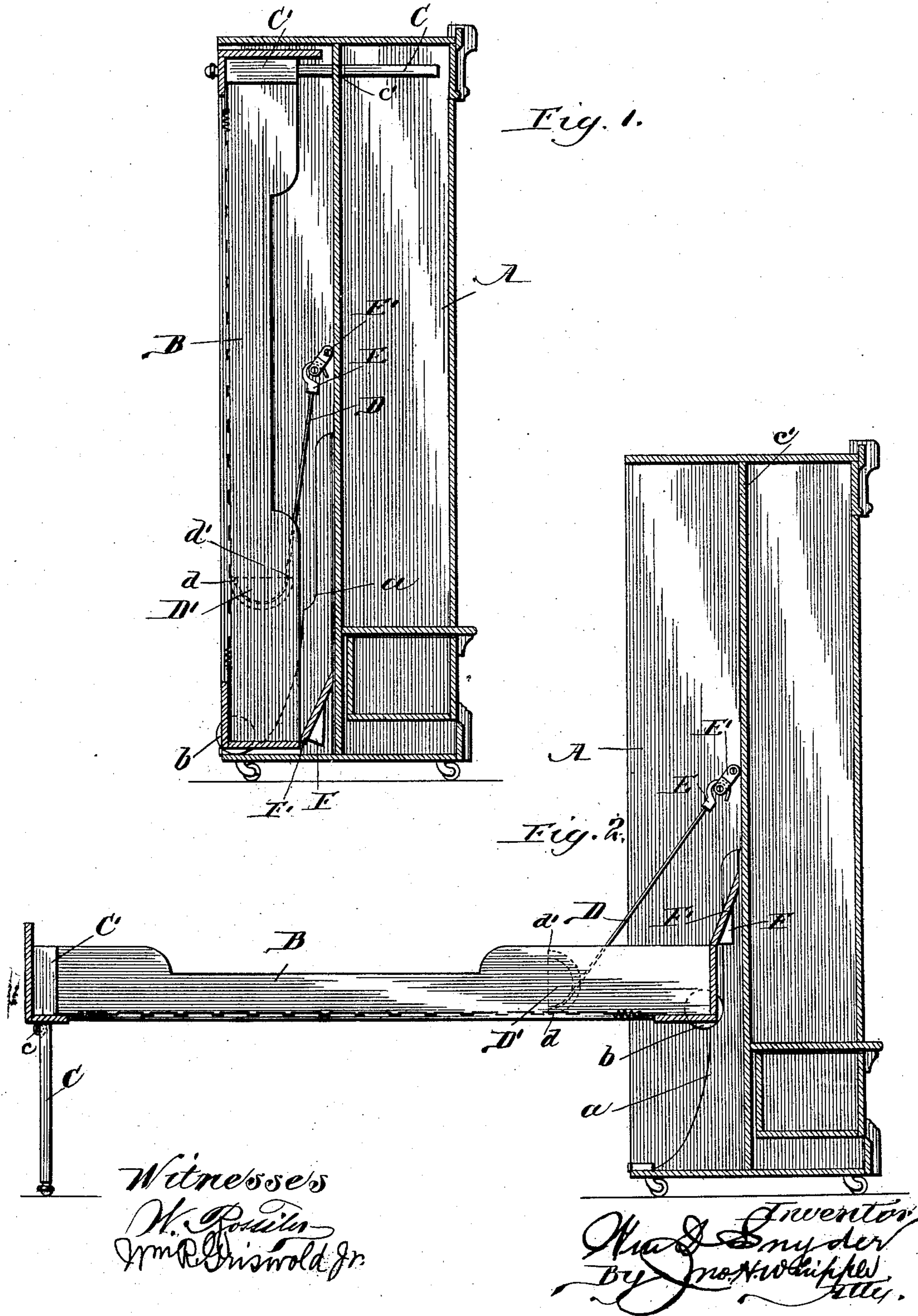


(No Model.)

W. D. SNYDER.
FOLDING BEDSTEAD.

No. 472,558.

Patented Apr. 12, 1892.



UNITED STATES PATENT OFFICE.

WILLIAM D. SNYDER, OF CHICAGO, ILLINOIS.

FOLDING BEDSTEAD.

SPECIFICATION forming part of Letters Patent No. 472,558, dated April 12, 1892.

Application filed June 29, 1891. Serial No. 397,781. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM D. SNYDER, of Chicago, in the State of Illinois, have invented certain new and useful Improvements in Folding Bedsteads, of which the following is a specification.

My invention relates to means for connecting the folding-bed frame to the standard; and one of the objects of my improvements is to provide flexible connectors which will be contracted by winding during the operation of closing the bed, so as to raise the bed-frame bodily, and which will be lengthened or extended by unwinding during the operation of opening the bed, so as to lower the bed-frame near the floor.

Another object is to provide means for readily detaching the bed-frame from the standard and for connecting the foot end of the bed-frame to the standard when the bed is closed.

These objects I have attained by the means illustrated in the accompanying drawings, in which—

Figure 1 is a vertical section of a folding bedstead embodying my invention. Fig. 2 is a like view of the same, the bed being open.

In the drawings, A designates the standard, and B the bed-frame, which are of ordinary construction. The standard is provided with tracks or cam-surfaces *a*, one on each side, and the bed-frame has wheels *b* adapted to said tracks and arranged to enter a depression therein when the bed is completely open in the ordinary manner. Foot-legs C, one on each side, adapted to slide into a pocket C', which is open at both ends, are provided for holding up the foot end. These are held extended when the bed is let down by a pawl *c*, which falls outward, so as to engage the side of the pocket in such manner as to hold the leg out when in the vertical; but when in the horizontal the pawl will fall into a slot in the leg, so as to permit the same to be shoved in. This is in all respects of ordinary construction and operation, with the exception that the pocket C' is open at both ends and the leg is made longer than usual, so as to occupy the full length of said pocket when extended, as shown in Fig. 2, and so as to enter a hole *c'* in the standard when shoved in, as shown in Fig. 1. In the latter position it serves to

hold the bed-frame fast to the standard at the top when closed.

The flexible connectors for connecting the bed-frame with the standard are composed of cords or chains D, one on each side of the bed, the lower ends of which are fastened permanently, each to a segment or cam D', attached firmly to the outside of the side rails and extended across the same. The point of attachment of the flexible connectors with said segments is at the lower edge *d* of the side rails, so that when the bed-frame is let down, as seen in Fig. 2, it will be supported on said points *d*. When the bed-frame is closed, the flexible connectors will be wound upon the segments, so as to raise the bed-frame bodily upon the standard and support it on points *d'* at the opposite sides of the side rails from the points *d*, which support it when let down. The upper ends of the flexible connectors are provided with a hook E, which is adapted to engage an eye upon the standard, one on each side, so that by raising up the head end of the bed-frame when let down said hooks may be readily unhooked, thus disconnecting the bed-frame from the standard. A counterpoise F is attached to a pillow-board F', which is hinged to the head cross-piece of the bed-frame. The point at which the flexible connectors are connected to the bed-frame is placed at a sufficient distance from the head end to require but little counterpoise to balance the bed-frame in operation.

What I claim is—

1. In a folding bed, the combination, with the standard, of the bed-frame having cams thereon and supporting-chains passing over said cams, said chains having one end connected to the standard and the other to the bed-frame, as and for the purpose specified.

2. In a folding bedstead, and in combination, the standard provided with cam-surfaces *a*, the bed-frame having cams thereon, and chains passing over said cams, having one end connected to the standard and the other to the bed-frame, as and for the purpose specified.

3. In a folding bedstead, and in combination, the standard provided with cam-surfaces *a*, the bed-frame having cams thereon, chains passing over said cams and having one end

attached to the standard and the other to the bed-frame, and a weighted pillow-board hinged to the head end of the bed-frame, as and for the purpose specified.

- 5 4. In a folding bedstead, and in combination, the standard having eyes E', the bed-frame having cams thereon, and chains having one end permanently attached to the bed-frame and adapted to pass under said cams
10 and their opposite ends provided with hooks E, adapted to the eyes E' of the standard, as and for the purpose specified.

5. In a folding bedstead, and in combina-

tion with the standard and bed-frame, the open-ended pockets C', attached to the bed- 15 frame, holes c' in the standard opposite to said pockets, and sliding foot-legs C, each provided with a pawl c and adapted to slide through the pockets C' and enter said holes c' in the standard when the bed-frame is folded, as and 20 for the purpose specified.

WILLIAM D. SNYDER.

Witnesses:

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