(No Model.)

H. A. GORE.

FOLDING BED.

No. 437,151. Patented Sept. 23, 1890.

Fig. 1.

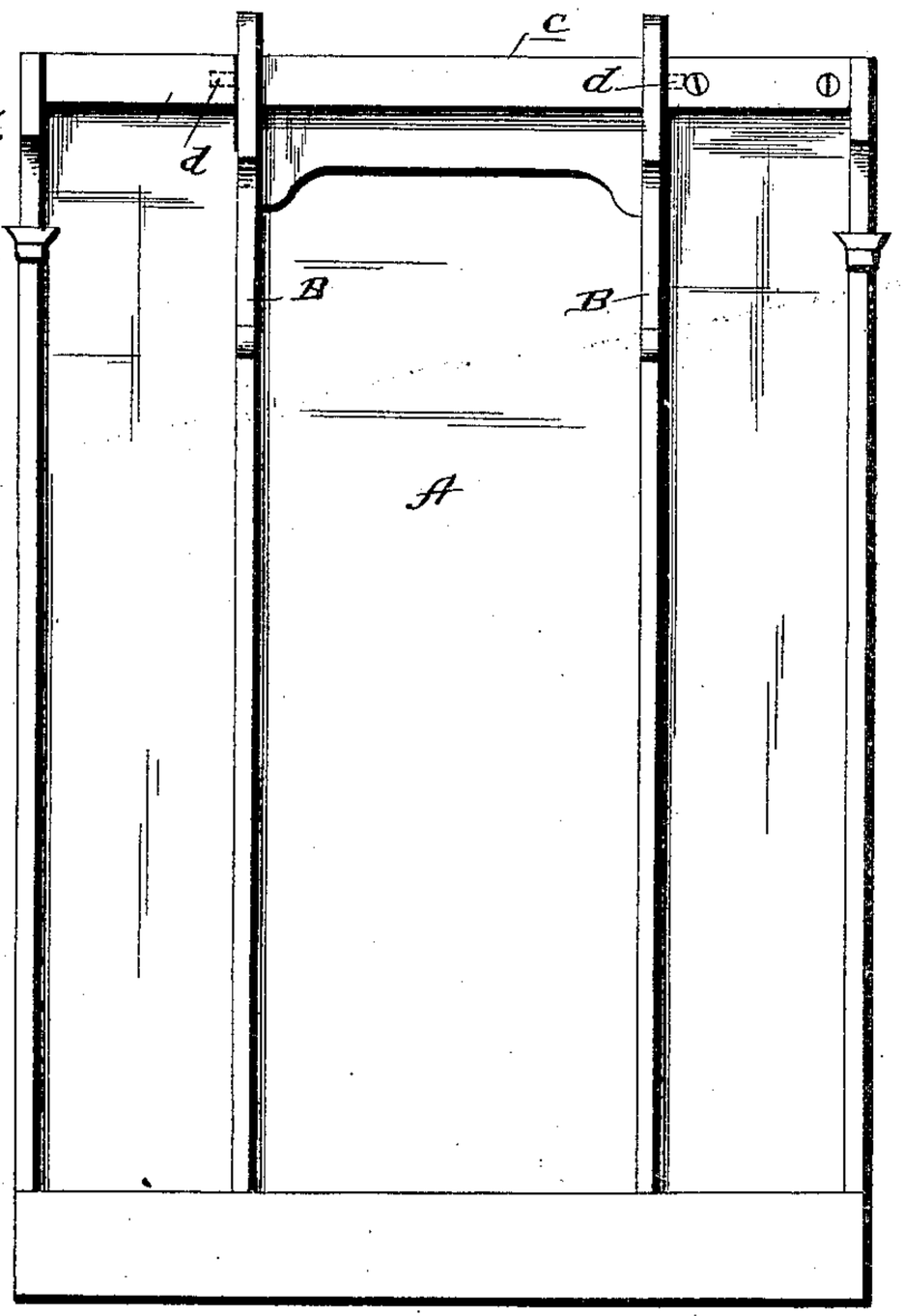


Fig. 2.

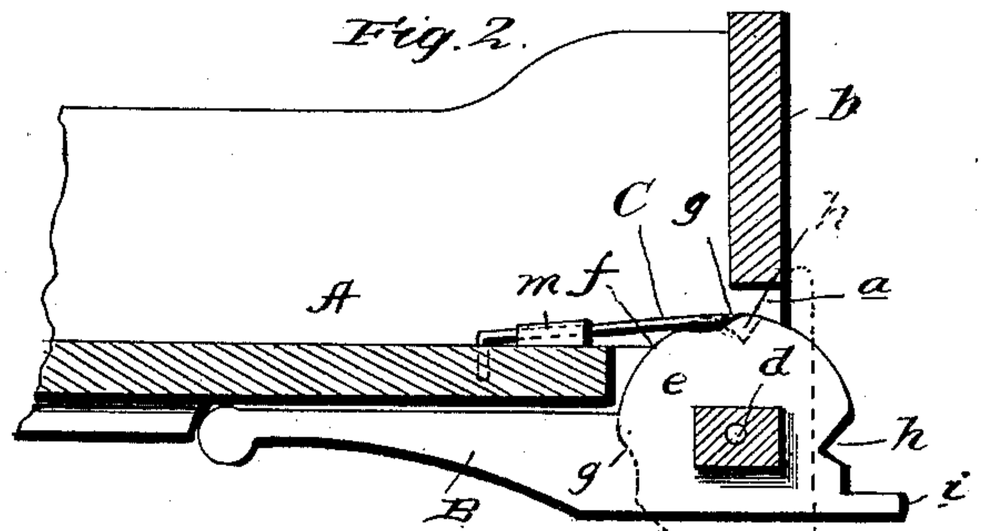
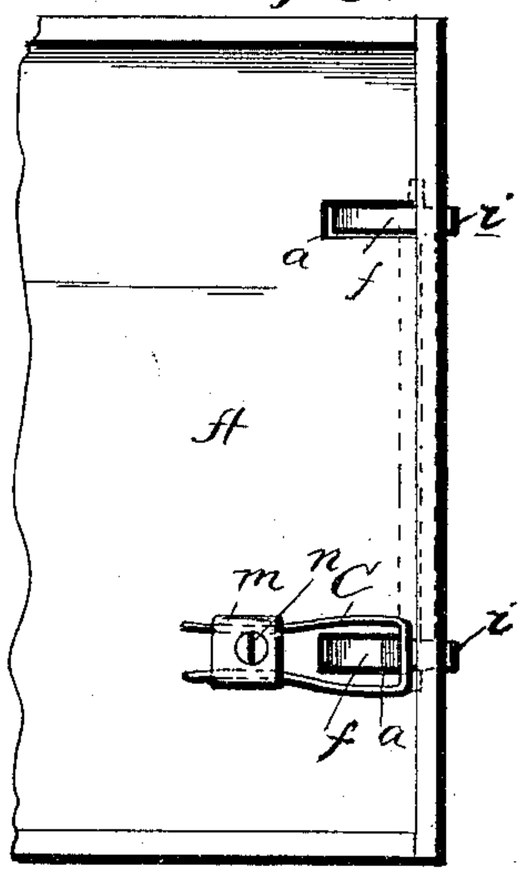


Fig. 3.



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UNITED STATES PATENT OFFICE.

HENRY A. GORE, OF GOSHEN, INDIANA, ASSIGNOR TO THE GOSHEN FOLDING BED COMPANY, OF SAME PLACE.

FOLDING BED.

SPECIFICATION forming part of Letters Patent No. 437,151, dated September 23, 1890.

Application filed May 21, 1890. Serial No. 352,591. (No model.)

To all whom it may concern:

Be it known that I, HENRY A. GORE, a citizen of the United States, residing at Goshen, in the county of Elkhart and State of Indiana, have invented certain new and useful Improvements in Folding Beds; 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.

This invention has relation to an improvement in folding beds, and it has for its object to provide a cheap and efficient means for securing the supporting-legs of the hinged or folding section of the bed in an open and closed position, as will be hereinafter more fully set forth and claimed.

In the accompanying drawings, Figure 1 is a front view of the hinged or folding section of a bed-frame with my improvements applied. Fig. 2 is a vertical sectional view of the outer end of said section with my improvements attached, showing in full lines one of the legs in a closed position and in dotted lines the leg in an open or supporting position; and Fig. 3 is a plan view of the outer end of said section, showing the adjustable retaining device in position with respect to one of the legs.

Referring by letter to said drawings, A indicates the folding section of a bed, which may be of any ordinary or approved construction, and may be hinged or pivoted to the main or fixed section by any suitable means. The upper or outer end of this section A is provided with a suitable number of slots *a*, there being two shown in the present illustration. These slots are formed in the floor or bottom of the folding section and preferably through the lower edge of the foot-board *b*, as shown.

B indicate the supporting-legs, which are shown as connected by a cross-bar *c*, although it is obvious that the connecting-bar might be omitted and the legs operated independently, as will be presently explained. These legs are pivoted in the walls of slots *a* by means of studs or pins *d* or the like, so that they may move freely in said slots. The legs are provided at their upper ends with an enlarged or semicircular portion *e*, having a friction-surface *f*, which is notched at the points *g* and *h* to receive a friction-clamp, which will be presently explained, and these notches each have a beveled and straight wall, as shown, so as to facilitate the folding and opening movements. The notch *h* is at a point above the line of the leg proper, while the notch *g* is at a point approximately at right angles thereto, although I do not wish to be understood as limiting myself to the exact location of the notches, as it is simply necessary that they should be so arranged with respect to each other that the notch *h* will receive the holding or clamping device when the leg is let down or in a supporting position, and the notch *g* will receive said device when the leg has been folded or turned up against the bed-section, as shown in Fig. 2 of the drawings. The leg is also provided at its upper end and outside of the notch *h* with a lug or stop-shoulder *i*, to engage the outer side of the foot-board *b* when the leg has been let down, and thereby serve as an additional means of steadying the leg in an open position.

C indicates the clamp or leg-holding device. This clamp I have shown as being composed of spring-wire arranged in a loop form, so as to bear upon the rounded surface F of the legs, and its transverse portion engages the notches thereof. The ends of the wire are embedded in the floor or bottom of the bed-section A and secured in position by a plate *m* and screw *n*. In some cases I may substitute a flat spring for the wire, and in such construction one end of the spring should be adapted to engage the notches of the legs.

The outer surface of the legs, as well as the bar connecting them, may be of any ornamental design, and the front of the folding section A may also be ornamental to correspond, so that when the legs and also the hinged section have been folded the whole may present a handsome and attractive appearance.

In operation when the legs have been let down in a supporting position the adjustable holders C will engage the notches *h* and the lugs *i* will abut against the foot-board above the slots therein. When the legs are turned inwardly, so as to disengage the holder from

the notches *h*, the spring will readily enter the notches *g* and retain the legs in a closed position.

Having described my invention, what I claim is—

The combination, with the bed-section having the slots *a* in its outer end, of the legs B, having the enlarged upper ends and the notches *g* and *h*, and the spring-lock C, adapted to engage said notches, substantially as specified.

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

HENRY A. GORE.

Witnesses:

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