No. 824,131. PATENTED JUNE 26, 1906.

G. A. MELLON.

DAVENPORT BED.

APPLICATION FILED DEC. 20, 1905.

2 SHEETS—SHEET 1.

Fig. I.

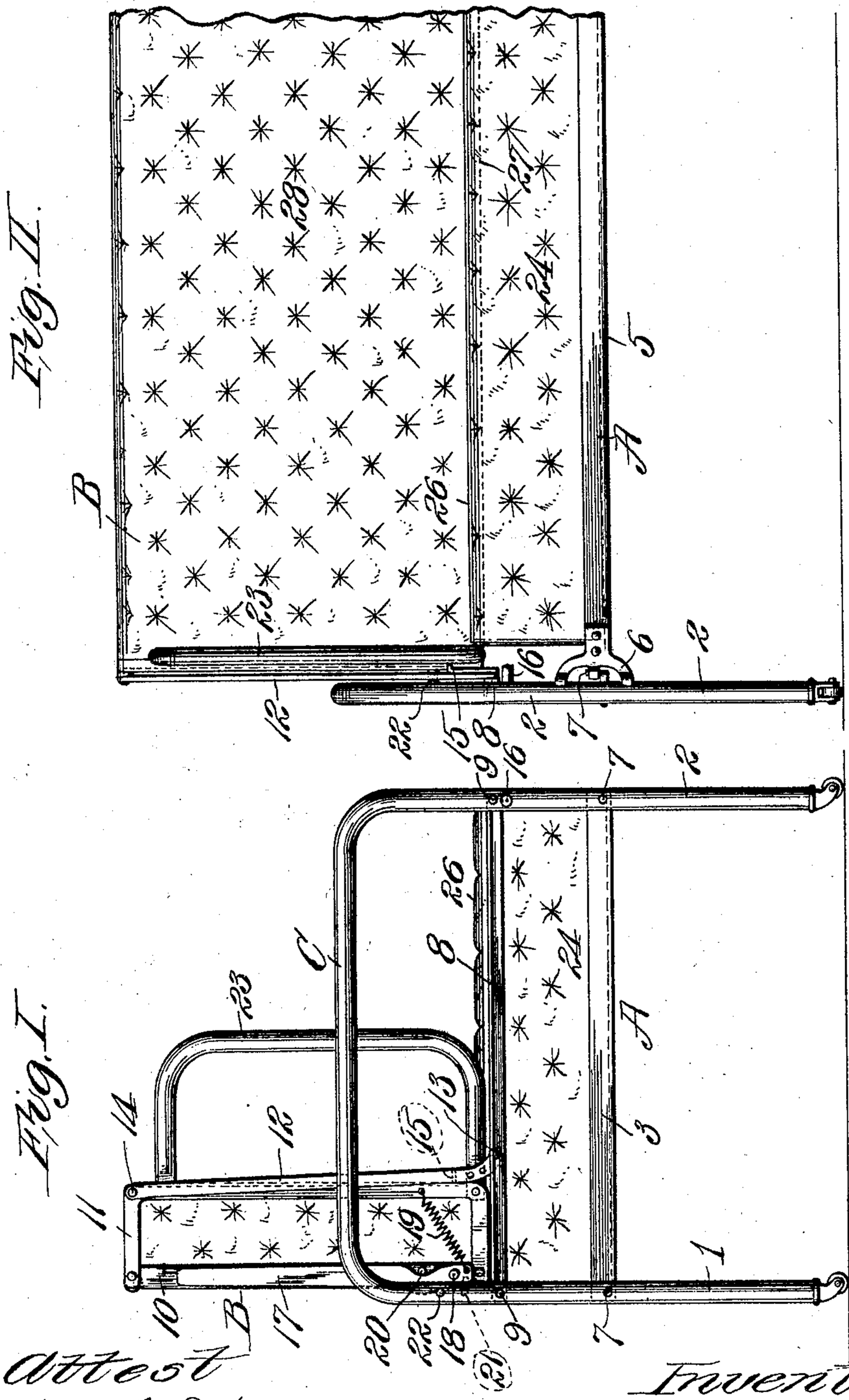

Fig. II.

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2 SHEETS—SHEET 2.

Fig. III.

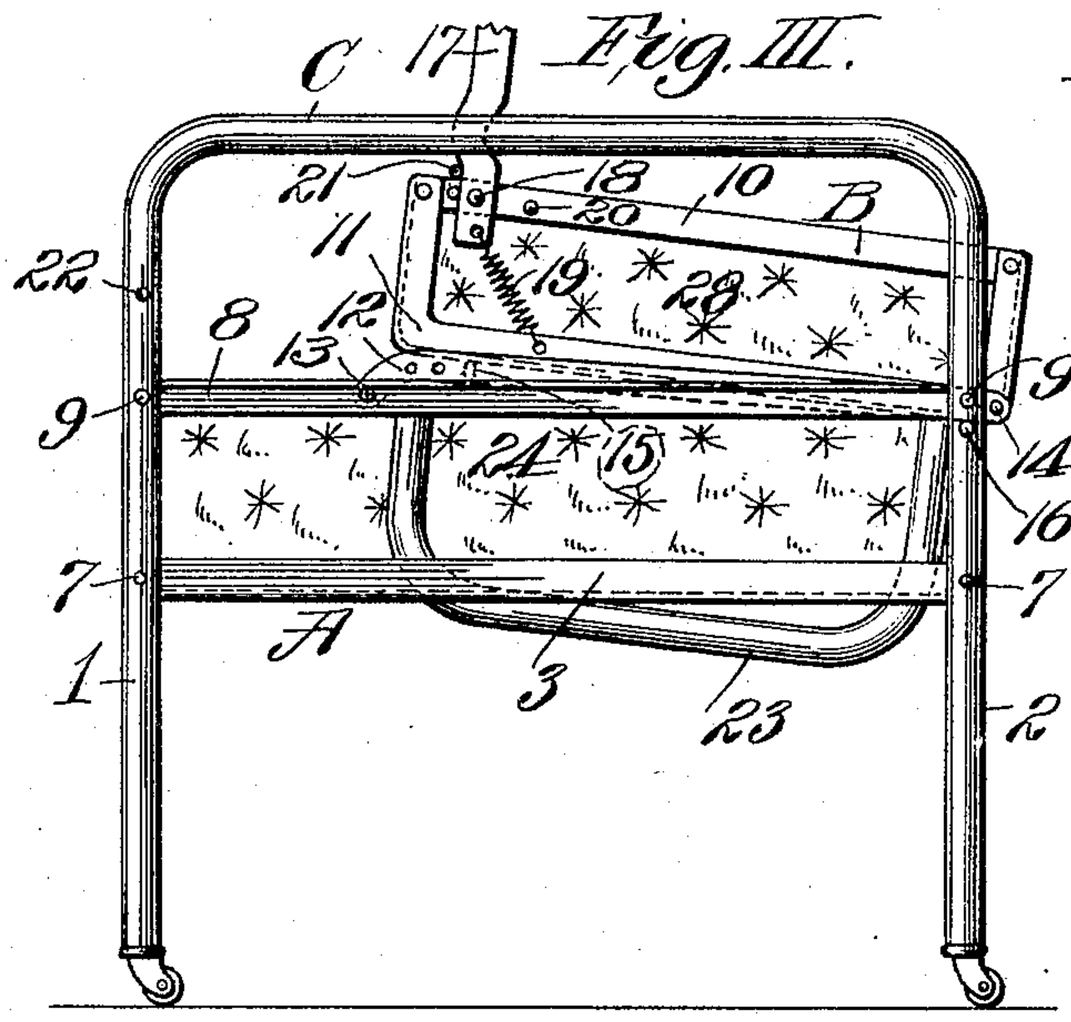


Fig. VI.

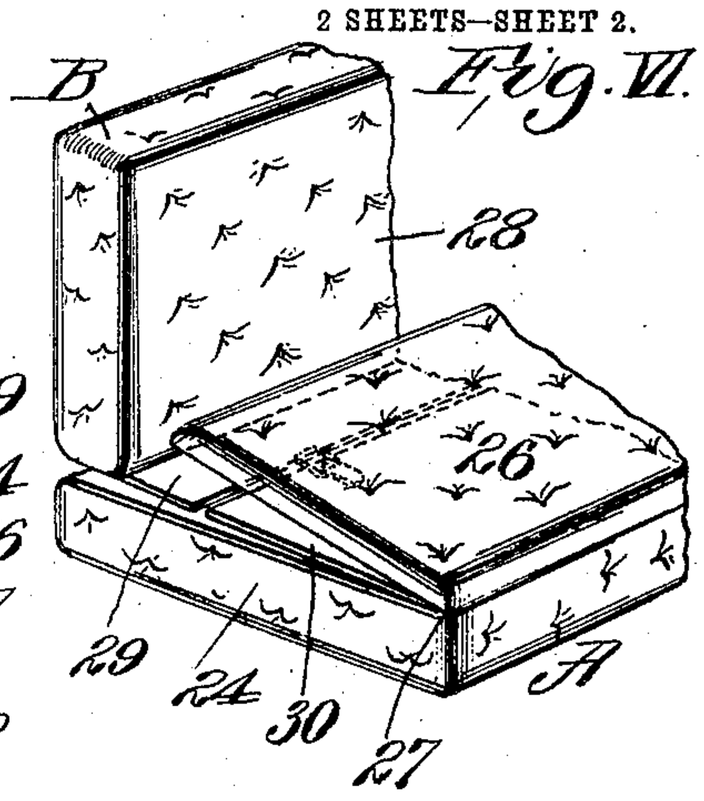


Fig. IV.

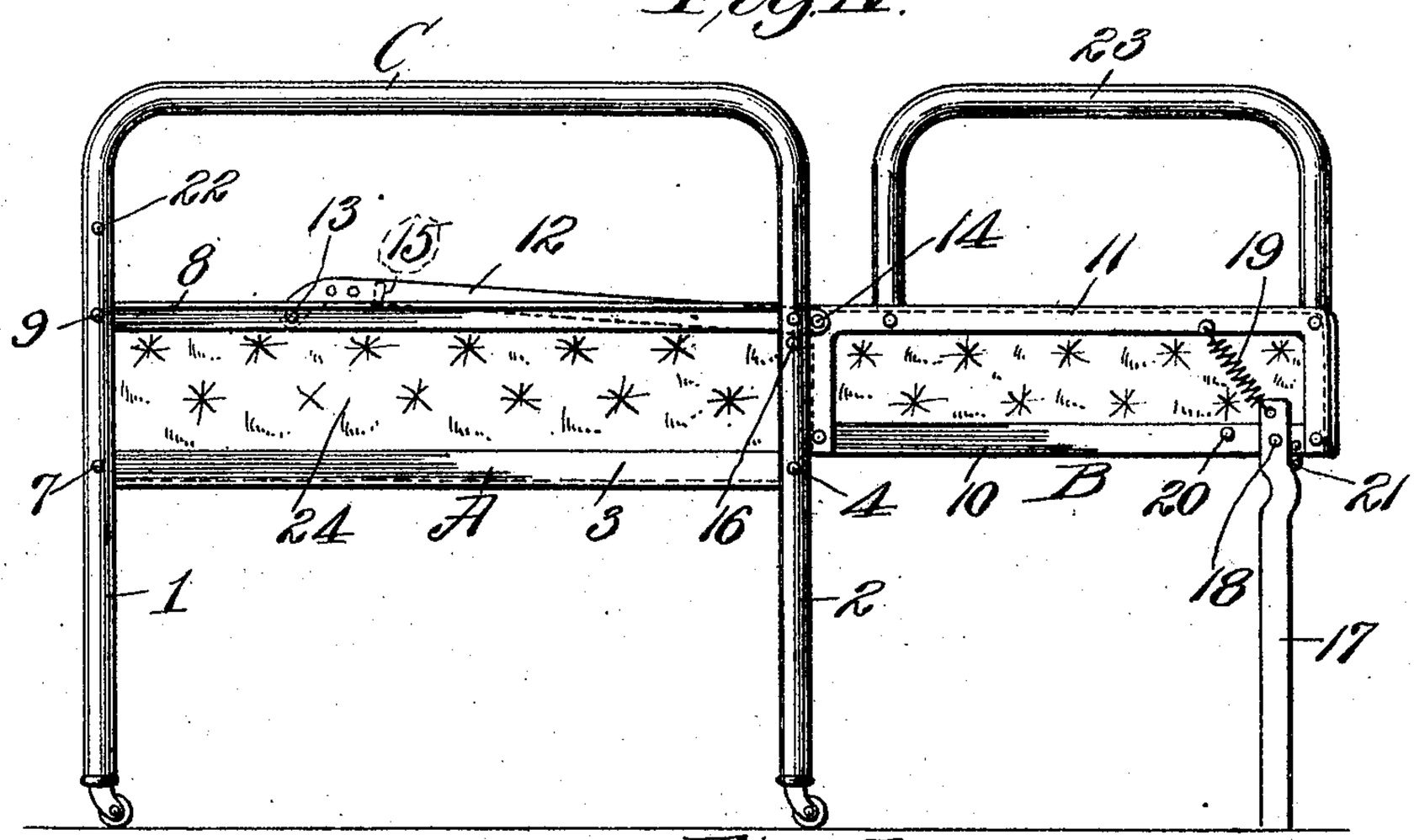
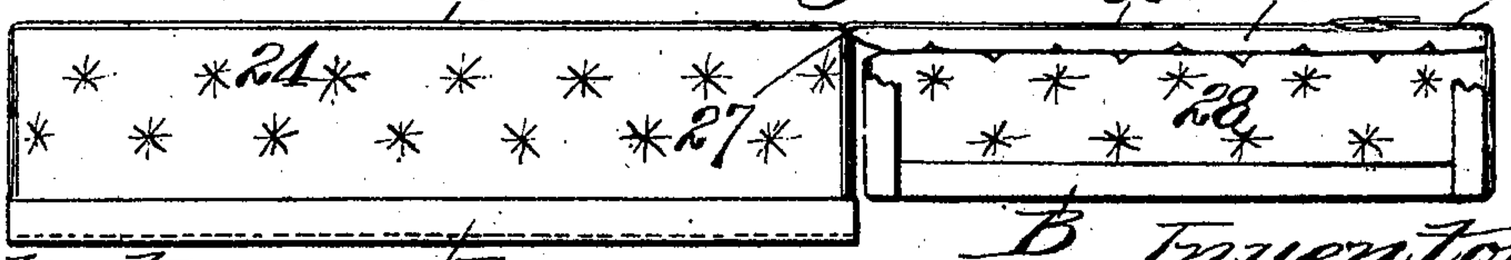


Fig. V.



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UNITED STATES PATENT OFFICE.

GEORGE A. MELLON, OF ST. LOUIS, MISSOURI.

DAVENPORT-BED.

No. 824,131. Specification of Letters Patent. Patented June 26, 1906.

Application filed December 20, 1905. Serial No. 292,578.

To all whom it may concern:

Be it known that I, GEORGE A. MELLON, a citizen of the United States, residing in the city of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Davenport-Beds, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to that class of folding beds commonly called "davenports;" and it has for its object to provide in a bed of this character an improved means whereby the movable section of the bed is connected to the stationary section in order that it may be quickly and efficiently moved from folded position to unfolded position, and vice versa, and whereby the movable section is securely retained in either of its positions.

The invention also has for its object to provide a simple and efficient construction for controlling the supporting-legs of the movable section.

It also has for its object to provide a construction whereby the top surfaces of the mattresses of the bed-sections are rendered flat and smooth when the bed is in unfolded condition.

Figure I is an end elevation of my bed, the movable parts being shown in folded condition. Fig. II is a front elevation of a part of the bed. Fig. III is an end elevation of the bed with the movable parts shown in the position assumed during the process of unfolding the bed. Fig. IV is an end elevation showing the bed in unfolded condition. Fig. V is an end view of the mattresses in unfolded condition. Fig. VI is a perspective view of parts of the mattresses.

A designates the stationary section of my bed, and B the movable section.

C is one of a pair of leg members, each of which has a rear leg 1 and a forward leg 2. The legs at each end of the bed are connected by a frame consisting of transverse rails 3, longitudinal rails 5, which are preferably attached to the legs by brackets 6, carried by the rails and fitted to hooks 7, carried by the legs, as seen in Fig. II.

8 is a cross-bar secured to the legs 1 and 2 of each leg member, preferably by rivets 9, and located above the transverse rails 3.

The movable section B of the bed has a frame at each of its ends that consists of bars 10 and 11 united to each other, or it may be in the form of a single piece.

12 designates one of a pair of connecting-bars that serve to unite the movable section B to the stationary section and control the movement of said movable section. The inner ends of these connecting-bars are pivoted at 13 to the cross-bars 8, and their outer ends are pivoted at 14 to the end frames of the movable section. Each connecting-bar is provided adjacent to its inner end and upon its inside face with a stop 15. (See full lines, Fig. II, and dotted lines, Fig. I.) The stops 15 are adapted to bear against the front edges of the end frames of the movable section B of the bed when said movable section and the connecting-bars are in folded positions, whereby the portion of said movable section which is lowermost is restrained from forward movement, which movement it might otherwise partake of due to the pivotal support of the section furnished by the connecting-bars. The connecting-bars 12 serve as link members between the stationary section and movable section of the bed, whereby the movable section is supported to turn pivotally above the stationary section while being folded and unfolded, and said bars also serve to hold the movable section permanently to the stationary section when the bed is in unfolded condition.

16 designates a rest-stud projecting inwardly from each forward leg 2 and adapted to serve as supports for the connecting-bars 12 when the bed is being unfolded, as seen in Fig. III, and when it is completely unfolded, as seen in Fig. IV.

17 designates one of a pair of legs that are pivoted to the end frame-bar 10 of the movable section B, as seen at 18. The inner end of each of these legs extends inwardly beyond the point of pivotal attachment of the corresponding end frame and is connected by a spring 19 to the frame end bar 11. These springs serve to throw the outer ends of the legs into positions at right angles to the end frames when the movable section B is moved from its folded position to its unfolded position. The bar 10 of each movable-section end frame has projecting from it in the path of movement of the outer portion of the corresponding leg 17 a stop 20, that is adapted to restrict the forward movement of the leg when the movable section is moved into folded position. Each end frame-bar 10 is also

provided with a stop 21, that is located near the end of said bar that is outermost when the bed is unfolded and which serves to restrict forward movement of the corresponding leg 17, as seen in Fig. IV.

Extending forwardly from each of the main rear legs 1 and above each cross-bar 8 is a stop-stud 22, to which the end frames of the movable section of the bed and the legs 17 are moved when the bed is folded. These stop-studs serve to restrict the rearward movement of the movable section and also serve to hold the legs 17 in folded condition against the action of the springs 19, as illustrated in Fig. I.

23 is one of a pair of head or foot members carried by the end frames of the movable bed-section.

24 designates the mattress of the stationary section A, which is supported by the transverse and longitudinal rails 3 and 5. This mattress is provided with a flat upper facing 25, and it is surmounted by a swinging mattress-section 26, that is flexibly connected at 27 to the forward edge of the mattress 24 and the under side of which is smooth and flat.

28 is the mattress of the movable section B. This last-named mattress is united at its inner edge to the stationary-section mattress 24 by a sheet of canvas or other suitable material, consisting of sections 29 and 30, the former of which is attached to the mattress 28, as seen most clearly in Fig. VI, and the latter of which is attached to the mattress 24 at the point of connection of the mattress-section 26 to said last-named mattress. The sheet-sections 29 and 30 are adjustably connected to each other by any suitable means, such as straps and buckles. When the bed is in folded condition, the movable-section mattress 28 occupies a position above the stationary-section mattress 24 and the mattress-section 26 rests upon the stationary-section mattress, thereby covering the sheet beneath it, so that tufted portions of the various mattress members are exposed. When the bed is unfolded, the mattress of the movable bed-section is carried to the horizontal position (seen in Fig. V) due to the unfolding of the movable section. As the mattress is being placed in its horizontal position the mattress-section 26 is swung over onto the movable-section mattress from the stationary mattress, and the sheet consisting of the sections 29 and 30 is drawn across the mattress-section 26, thereby providing a flat top surface for the mattresses of the bed instead of a tufted surface.

I claim—

1. In a folding bed of the character described, the combination of a stationary section having a pair of leg members, a movable section, and a single pair of connecting-bars having pivotal connection with said stationary section and movable section; said connecting-bars being arranged to be moved into positions that will cause them to rest on and be supported by said stationary section while said movable section is being swung into a position in horizontal alinement with said stationary section, substantially as set forth.

2. In a folding bed of the character described, the combination of a stationary section having a pair of leg members, a movable section, a single pair of connecting-bars uniting said movable section to said leg members to permit swinging action of the movable section, and stops for providing engagement between said movable section and said leg members to restrict the rearward movement of said movable section when it is in folded position, substantially as set forth.

3. In a folding bed of the character described, the combination of a stationary section having a pair of leg members, a movable section, a single pair of connecting-bars uniting said movable section to said leg members to permit swinging action of the movable section, and stops projecting from said leg members for restricting the rearward movement of said movable section when it is moved into folded position, substantially as set forth.

4. In a folding bed of the character described, the combination of a stationary section having a pair of leg members with forward and rear legs, a movable section, connecting-bars having pivotal connection with said stationary and said movable sections, and stops projecting from said forward legs arranged to support said connecting-bars when the movable section is in unfolded position, substantially as set forth.

5. In a folding bed of the character described, the combination of a stationary section, a main mattress supported by said section, a supplemental mattress-section swingingly connected to said main section, a movable bed-section, a mattress carried by said movable bed-section and adapted to be moved into horizontal alinement with said stationary-section main mattress, and a sheet having connection with said stationary-section main mattress and said movable-section mattress; said sheet consisting of a plurality of sections adjustably united to each other, substantially as set forth.

6. In a folding bed of the character described, the combination of a stationary bed-section, a movable bed-section, a single pair of connecting-bars having pivotal connection with said bed-sections, and stops arranged to furnish bearings by which said connecting-bars are supported adjacent to their ends connected to said movable section when said movable section is moved into a position in horizontal alinement with said stationary section.

7. In a folding bed of the character described, the combination of a stationary bed-

section, a movable bed-section, connecting-bars having pivotal connection with said stationary section and pivoted to said movable section adjacent to its edge farthest removed from said stationary section, and a stop carried by said connecting-bar against which said movable section is arranged to bear, substantially as set forth.

8. In a folding bed of the character described, the combination of a stationary bed-section, a movable bed-section, connecting-bars having pivotal connection with said stationary section and pivoted to said movable section adjacent to its edge farthest removed from said stationary section, and stops for causing engagement between said movable sections and said connecting-bars when the parts are in folded positions, substantially as set forth.

In testimony whereof I have hereunto set my hand, this 16th day of December, 1905, at St. Louis, Missouri.

GEO. A. MELLON.

In presence of—
E. S. KNIGHT,
BLANCHE HOGAN.