J. E. HASSON.

FOLDING BED.

APPLICATION FILED MAY 27, 1916. RENEWED MAR. 26, 1918.

1,283,169.

Patented Oct. 29, 1918.

2 SHEETS—SHEET 1.

Fig. 1.

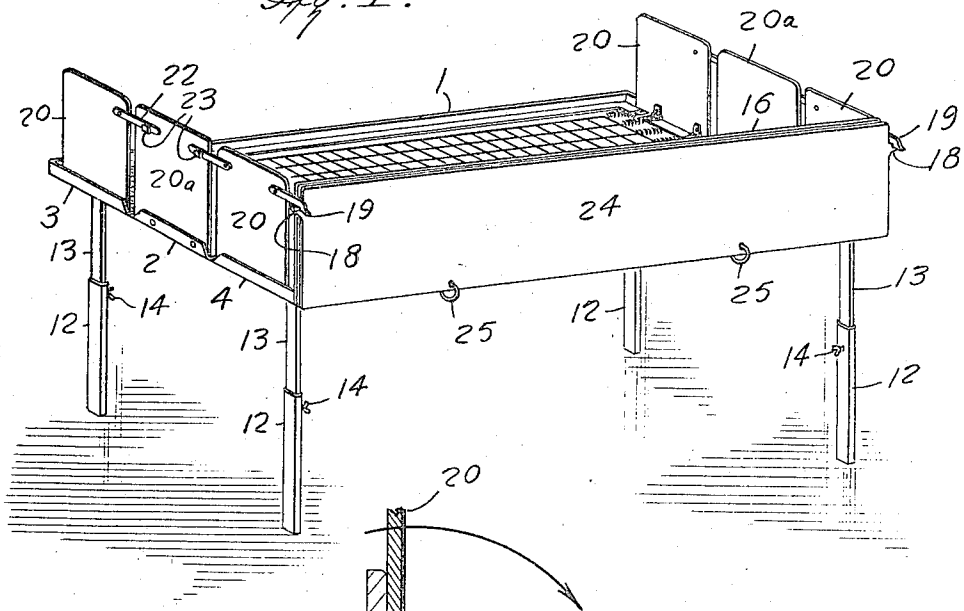


Fig. 6.

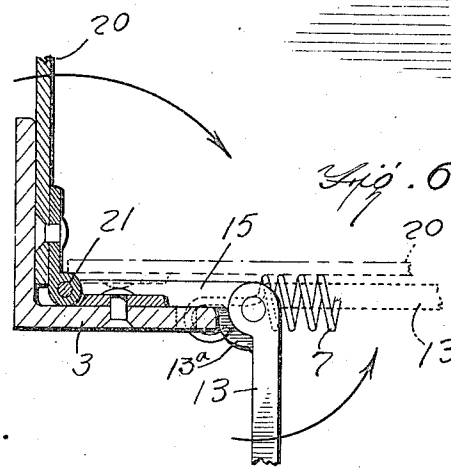


Fig. 5.

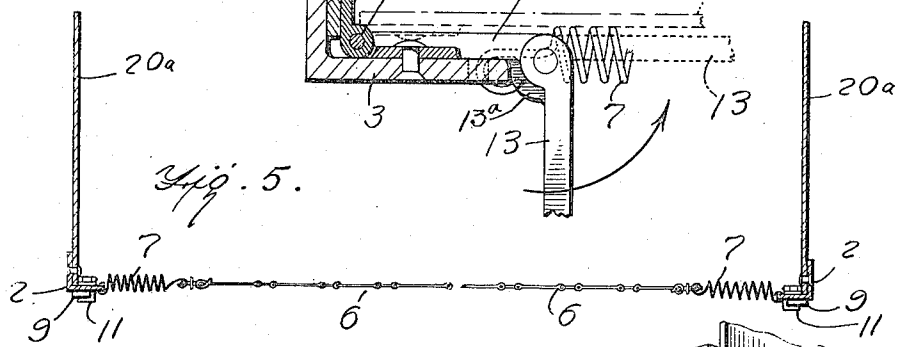
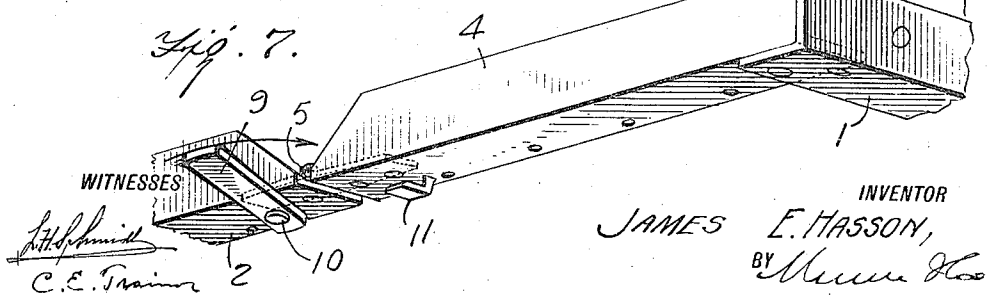


Fig. 7.



WITNESSES:

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2 SHEETS—SHEET 2.

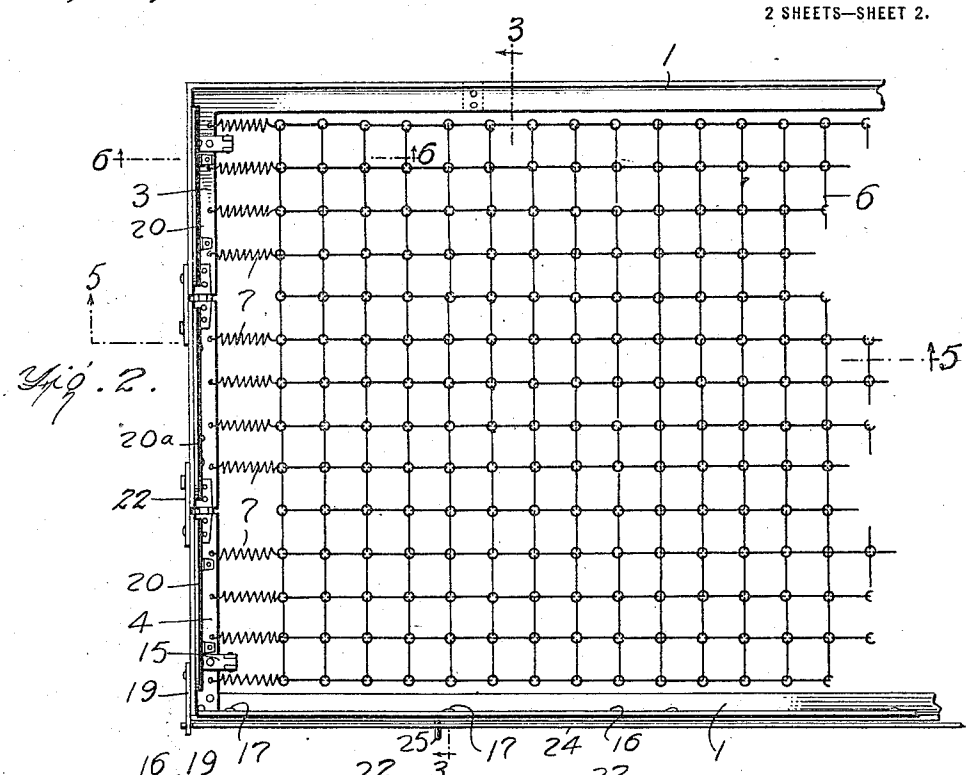


Fig. 2.

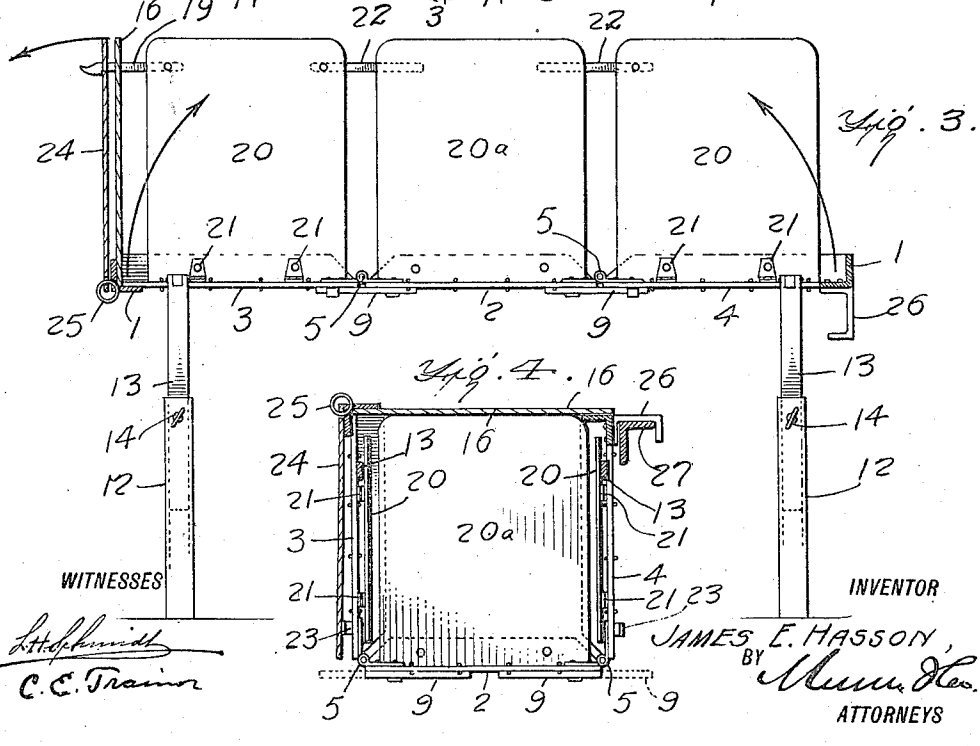


Fig. 3.

Fig. 4.

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FOLDING BED.

1,283,169. Specification of Letters Patent. Patented Oct. 29, 1918.

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To all whom it may concern:

Be it known that I, JAMES E. HASSON, a citizen of the United States, and a resident of Aliceville, in the county of Pickens and State of Alabama, have invented new and useful Improvements in Folding Beds, of which the following is a specification.

My invention is an improvement in folding beds, and has for its object to provide a bed of the character specified, especially adapted for babies, wherein the bed is connected with the bed of the mother, in such manner that it may be moved into a position at the level of the mother's bed and at the side thereof, and without any obstruction between the bed and the bed of the mother, to permit the mother to attend to the wants of the baby, and then when not in use the bed may be folded and left in suspended position supported by the mother's bed.

In the drawings:

Figure 1 is a perspective view of the improved bed,

Fig. 2 is a partial plan view,

Figs. 3, 5 and 6 are sections on the lines 3—3, 5—5, and 6—6 of Fig. 2, each view looking in the direction of the arrows adjacent to the line,

Fig. 4 is a vertical section through the folded bed, and

Fig. 7 is a partial perspective view of the bed frame.

The present embodiment of the invention comprises a bed body, which is composed of a substantially rectangular frame of angle material, and consists of side rails 1 and sectional end rails, each end rail consisting of three sections, 2, 3 and 4.

The sections 3 and 4 of the end rails are integral with the side rails 1, and the section 2 is connected to the ends of the sections 3 and 4 by means of hinges 5, the said hinges being on the upper faces of the section. The body of the bed is completed by a spring mattress 6, which is connected at its ends to the end rails. Each end of the mattress is connected to the sections of the adjacent end rail by means of coil springs 7, and the springs 7 are omitted near the hinges so that they will not interfere with the folding of the bed. The bed is thus divided longitudinally into a central and two lateral sections.

The sections of the end rails are held in rigid alinement by means of latch plates 9 which are on the horizontal portion. Each latch 9 is in the form of a plate hinged to the section 2, as indicated at 10, and adapted to engage a hasp 11 on the sections 3 and 4. When the latch plates are swung in the position of Fig. 7, the sections are released to permit the folding of the bed, while when the latches are in the position of Figs. 2 and 3, the sections of the bed are held in rigid alinement. The bed frame or bottom is supported by means of sectional legs. Each leg consists of a lower section 12, of tubular form, and an upper section 13, which is mounted to slide in the lower section and is held in adjusted position by means of a set screw 14. The upper section 13 of each leg is hinged to a hinge lug 15 secured to the adjacent section 3 or 4, as the case may be, of the end rail, in such manner that the leg may be folded into the plane of the bed or at right angles thereto, as shown in Figs. 3 and 6.

That side of the bed which is intended to be adjacent the bed of the parents, is open as shown in Figs. 1 and 2, while that side which is remote from the said bed, has a side board or plate 16, which is secured to the inner face of the vertical portion of the adjacent side rail 1 by means of rivets 17. At each end of the bed end boards are provided, each end board consisting of three sections, a central and two lateral sections, and the said sections are connected to the central and lateral sections of the end rails, each end rail consisting also of a central and lateral sections. An end board section 20 is hinged to each section 3 and 4 of each end rail, and a similar section 20^a is rigidly secured to the section 2 of each end rail. The sections 20 are hinged to the sections 3 and 4, as indicated at 21 in Fig. 6, in such manner that they may be folded inwardly upon the horizontal portions of the side rail sections. These end board sections 20 and 20^a at each end of the bed, are held in alinement and in the same plane, by means of latches 22, corresponding in arrangement to the latches 9. Each latch 22 is hinged to a section 20 and engages a hasp on the section 23.

A plate 24 is hinged to that side rail to which the side board 16 is connected, by means of rings 25. These rings 25 are passed through openings in the side board and in the side rail, and loosely hinge the plate to the side rail. This plate 24 is provided at

its ends with outwardly extending lugs 18 which are adapted for engagement by catches 19, which are pivoted to the adjacent sections 20 of the end boards. When the bed is in use, the plate 24 folds up alongside and parallel with the side board 16, and is held in such position by the engagement of the catches 19 with the lugs 18. When the bed is unfolded for use the parts occupy the position of Figs. 1 and 3.

The sections 2, 3 and 4 of the end rail are alined and are held rigidly in such position by the latches 9. The side board is erect, as are also the sections 20^a of the end boards, and when the sections 20 of the end members are swung upward into the plane of the sections 20^a, the latches 22 may be engaged with the hasps 23 and the catches 19 with the lugs 18 to hold the parts in such position, and to hold the plate 24 parallel with the side board 16. The legs may be adjusted to the proper length to support the bed at the level of the mother's bed, by means of the set screws 14. In order to connect the bed with the mother's bed when in use, and to support the bed when folded, clips 26 of substantially U-shape are secured to that side rail 1 remote from the side board 16. These clips are adapted to engage over the side rail 27 of the mother's bed and prevent movement of the child's bed away from the mother's bed when the child's bed is in use. When the said bed is in folded position, the clips 26 support the folded bed.

In order to fold the bed, the latches 22 are disengaged, as are also the catches 19, and the end board sections 20 are folded down upon the bed. The latches 8 and 9 are now released, and the end rail sections 4, and the adjacent side rail are folded over, until the plate 16 is above the upper edges of the section 20^a of the end board. The side rail 1 and the sections 3 of the end rails are folded over against the end board sections 20^a, and the plate 24 is permitted to drop down in the position shown in Fig. 4, that is, in right angles to the plate 16, to cover and hide the springs at the front of the folded bed. The folded bed is a rectangular container which rests alongside the mother's bed out of the way, and ready to be unfolded for use when desired. It will be noticed, from an inspection of Fig. 6, that a stop 13^a is provided for engagement by the leg to limit the downward swinging movement of the leg.

I claim:

1. A folding bed comprising a substantially rectangular frame consisting of side rails and sectional end rails, each end rail being composed of a central section and lateral sections hinged to the central section and rigid with the adjacent side rail, means for holding the sections in rigid alinement, an end board section rigid with the central section of each end rail, end board sections hinged to the lateral sections of each end rail to fold down upon the bed or up into the plane of the first named end board section, a side board rigid with one side rail, a cover plate hinged to the said side rail at the lower edge of the plate, and adapted to fold onto the side board or downward beneath the bed, and means for holding the said plate in the first named position, legs hinged to the lateral sections of the end rails to fold upwardly upon the bed or downwardly into extended position, each leg being sectional and having means for holding the sections in adjusted position.

2. A folding bed comprising a substantially rectangular frame consisting of side rails and sectional end rails, each end rail being composed of a central section and lateral sections hinged to the central section and rigid with the adjacent side rail, means for holding the sections in rigid alinement, an end board section rigid with the central section of each end rail, end board sections hinged to the lateral sections of each end rail to fold down upon the bed or up into the plane of the first named end board section, a side board rigid with one side rail, a cover plate hinged to the said side rail at the lower edge of the plate, and adapted to fold onto the side board or downward beneath the bed, and means for holding the said plate in the first named position.

3. A folding bed, comprising a substantially rectangular frame consisting of side and end rails, the end rails being sectioned, each having a central section and lateral sections hinged thereto and rigid with the side rails, means for holding the end rail sections in alinement, a side board secured to one side rail, an end board section connected to each end rail section, the sections of the lateral end rail sections being hinged thereto, a cover plate hinged to the side rail provided with the side board, and means for holding the said plate superposed on the side board when the bed is in use.

4. A folding bed comprising a frame composed of side and end rails, the end rails being sectional and each consisting of a central section and lateral sections, the lateral sections being hinged to the central section, an end board section rigid with each of the central sections against which the lateral sections and the side rails are adapted to fold, a side board on one side rail for engaging the tops of the central end board sections, and a cover plate hinged to the said rail to fold against the side board or beneath the section, and end board sections hinged to the ends of the lateral sections to fold thereon.

5. A folding bed consisting of a central section and lateral sections, each section having at its ends head and foot board sections, a side board on one lateral section, and a

plate hinged to the section and adapted to fold upon the side board or to fold beneath the section, for the purpose specified, and releasable means for holding the foot board sections at each end in alinement.

6. A folding bed consisting of a central section and lateral sections, each section having at its ends head and foot board sections, a side board on one lateral section, and a plate hinged to the section and adapted to fold upon the side board or to fold beneath the section, for the purpose specified.

J. ERNEST HASSON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."