

No. 750,762.

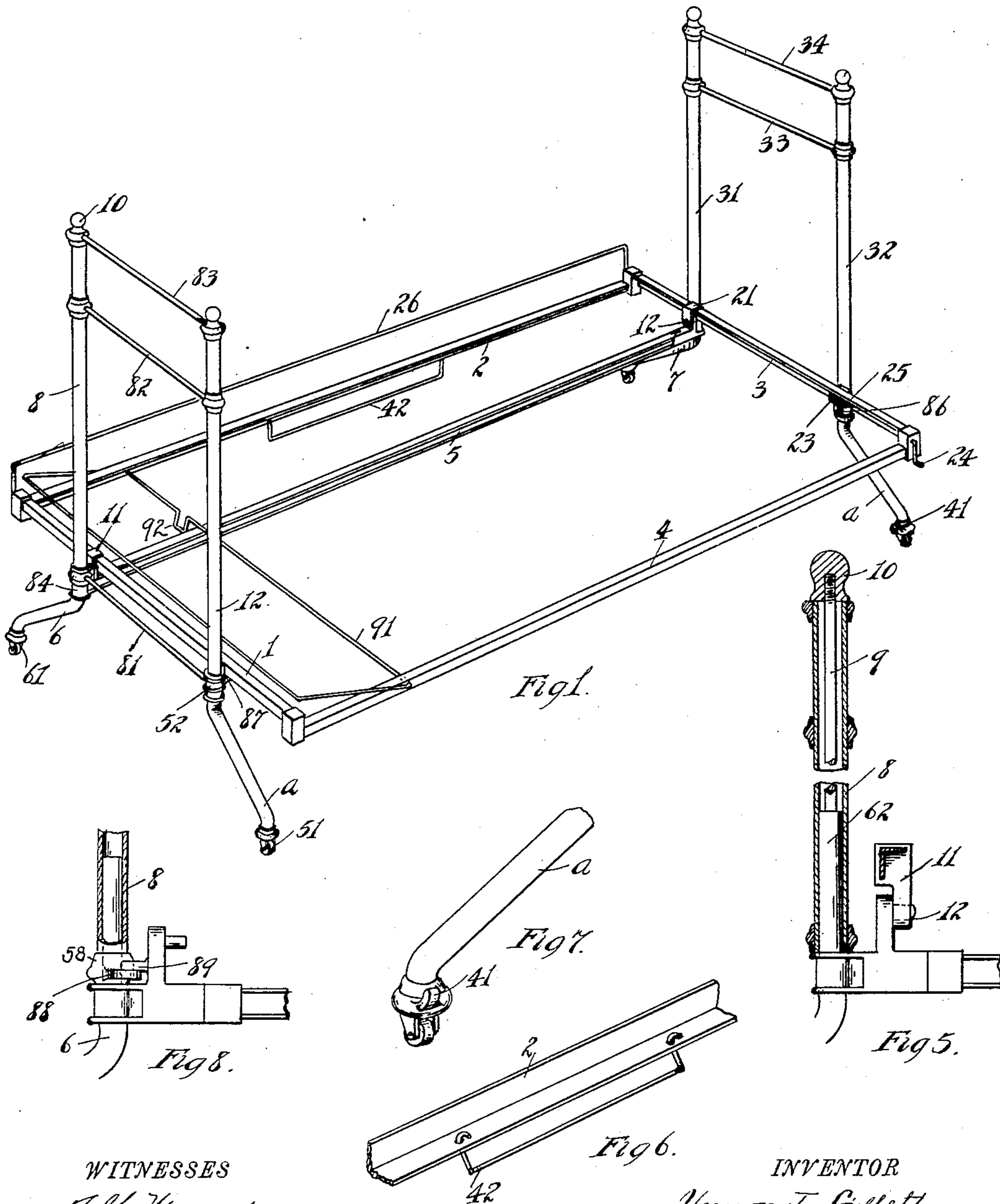
PATENTED JAN. 26, 1904.

V. J. GILLETT.
FOLDING BED.

APPLICATION FILED MAY 25, 1903.

NO MODEL.

2 SHEETS—SHEET 1.



WITNESSES
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2 SHEETS—SHEET 2.

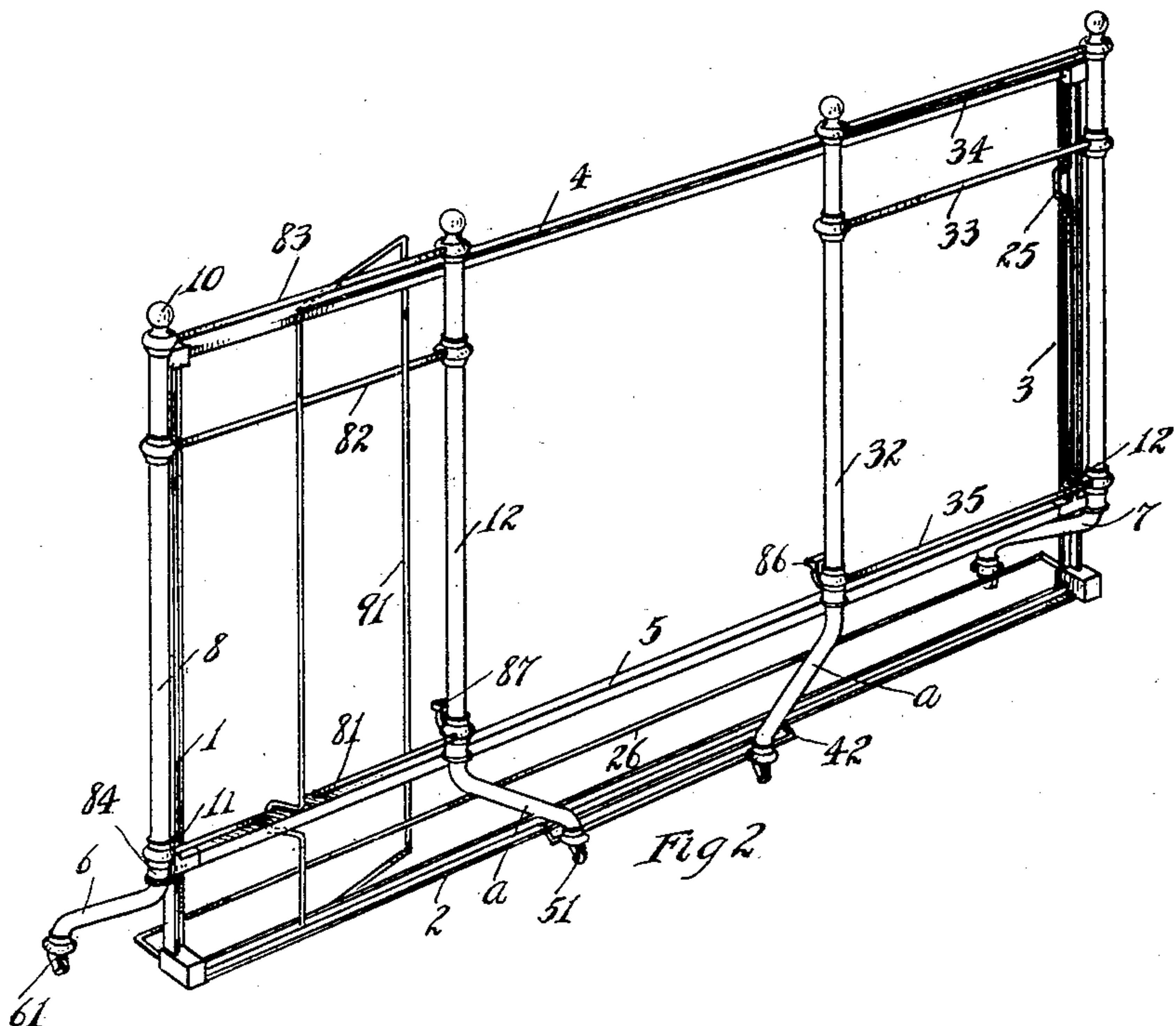


Fig. 2.

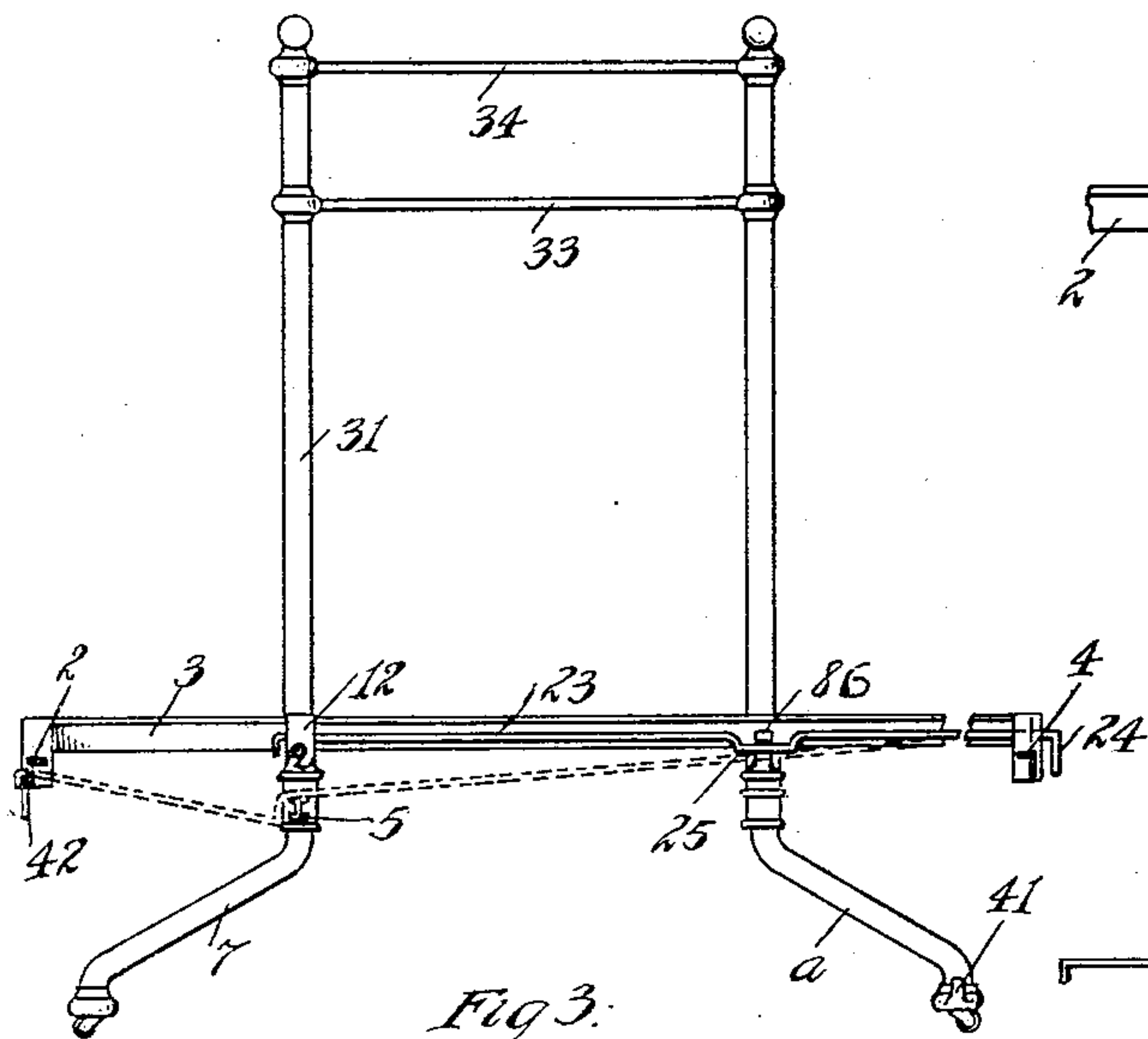


Fig. 3.

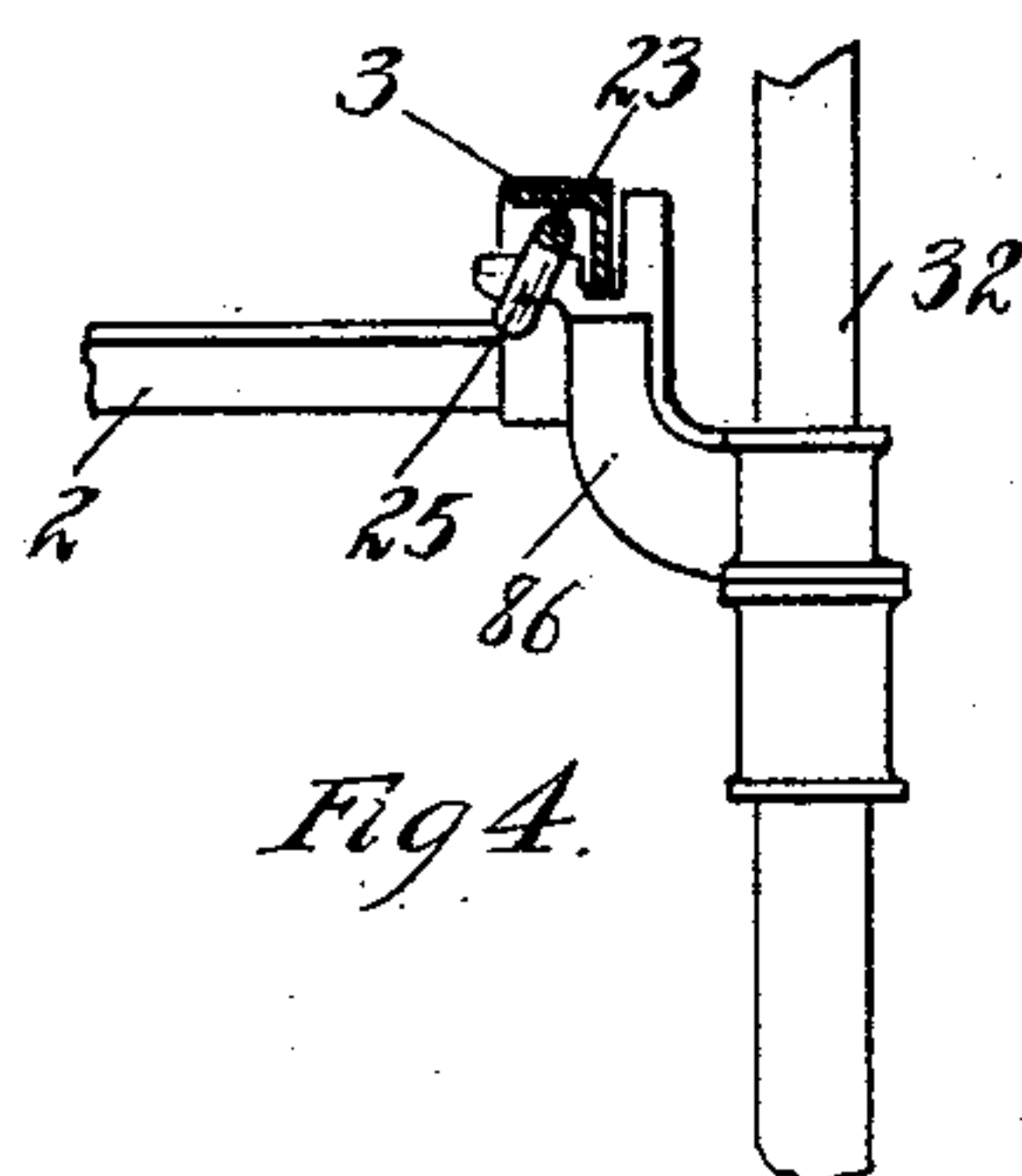


Fig. 4.

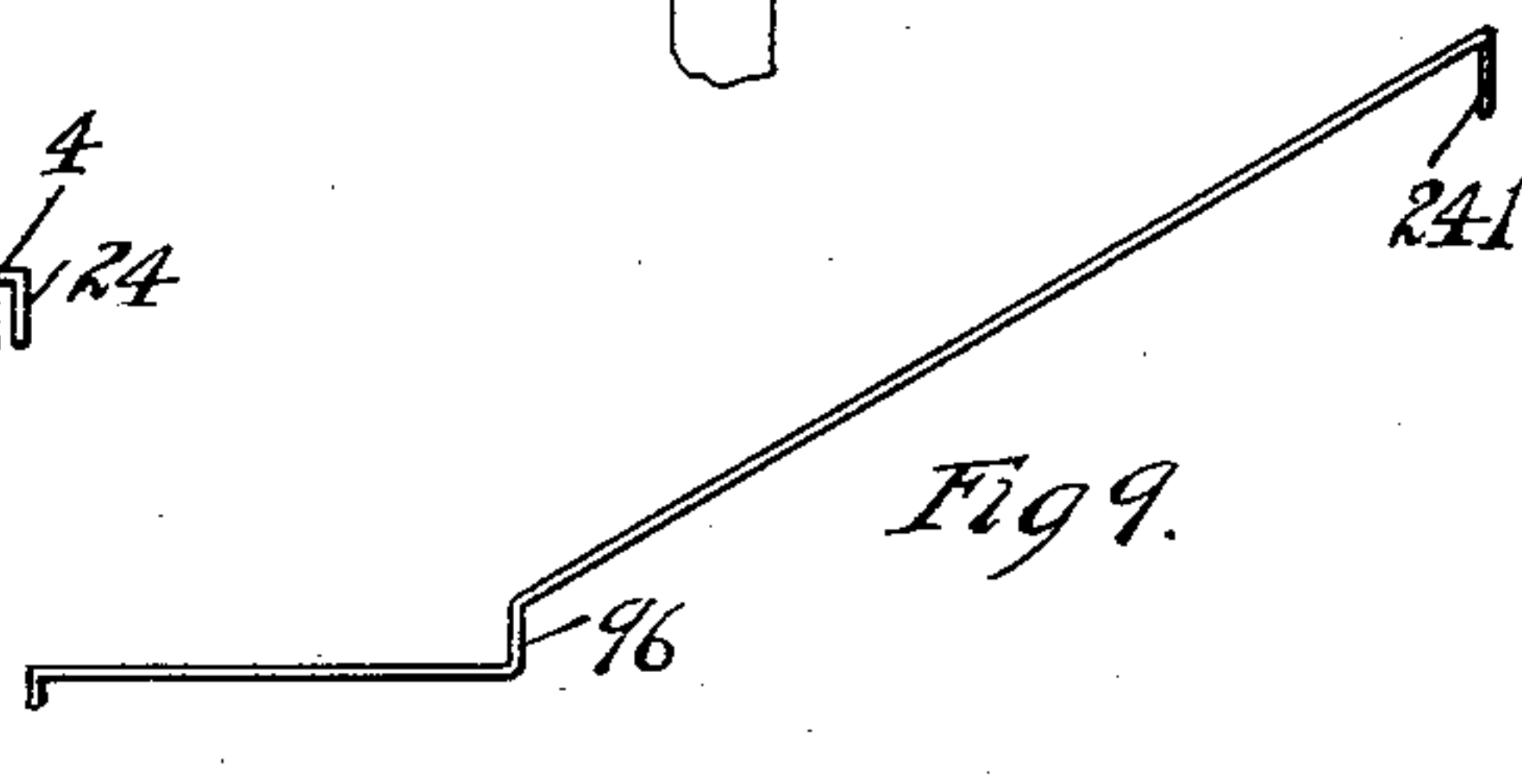


Fig. 9.

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UNITED STATES PATENT OFFICE.

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FOLDING BED.

SPECIFICATION forming part of Letters Patent No. 750,762, dated January 26, 1904.

Application filed May 25, 1903. Serial No. 158,562. (No model.)

To all whom it may concern:

Be it known that I, VERNOR J. GILLET, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Folding Beds; and I 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 pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to folding beds, and has for its object an improved bedstead or bed-frame adapted to be folded into small compass and to be stored with the mattress-supporting part of the frame and the mattress in a vertical position and resting on the side edge thereof.

In the drawings, Figure 1 is a perspective of a bed with the parts in position for use for sleeping purposes. Fig. 2 is a perspective of the bedstead folded in the position it occupies when not in use. Fig. 3 is an elevation of an end of the bed. Fig. 4 is a detail of the bracket which constitutes the front rest of the mattress-frame. It shows a locking device employed therewith. Fig. 5 is a detail of the hinge-joint on which the head and foot boards turn. Fig. 6 is a detail of the locking device which locks the parts when in position shown in Fig. 2. Fig. 7 is a detail of the foot end of the post. Fig. 8 shows a modification in the manner of pivoting the headboard to the main rail. Fig. 9 shows a modified form of lock to secure the parts with the mattress-frame down.

The frame consists of a rectangular firmly-built mattress-supporting part hinged to a bar which is supported by posts, one at the head end and the other at the foot end of the bed. To the same posts are hinged frames which swing and constitute the head and foot boards of the bed, and the swinging posts are provided with rests on which the forward or free edge of the frame rests when the bed is in the position shown in Fig. 1. These, with details of construction to enable the parts to be locked together, comprise the several improvements incorporated in the invention.

1, 2, 3, and 4 are four bars which are secured together at their meeting ends and which comprise a frame for the support of the mattress. The frame may support a second frame like that of a woven-wire mattress or any form of spring-support for the mattress proper. Preferably the side and end bars of the frame are made from angle-iron held together by castings at the corners. To each of the end bars 1 and 3 intermediate its ends and about one-quarter the way from the back to the front is secured a hinge-bracket 11, that extends downward and is provided with a pintle-hole 12. Within the cavity under one of the angle-bars is a rod 23, arranged to turn on its axis. This is provided at some point, as at its protruding end 24, with a crank by means of which it may be turned. At an intermediate point it is provided with a loop or bend 25, arranged to engage over the nose of a bracket-support to be hereinafter mentioned.

5 indicates a longitudinal bar supported on legs 6 and 7. Each of the legs 6 and 7 has a foot part below the bar 5, that is provided with means for holding a caster-wheel 61, and above the bar 5 or above the junction-iron by which it is secured to the bar 5 is a post 62, arranged to engage inside a tubular post 8, which is pivotally secured to it by a threaded rod 9, that extends into the screw-cap 10 above the end of the tubular post 8. The tubular post 8 may be provided with any suitable ornamentation. From post 8 extend cross-bars 81 82 83, which reach to and connect with a post 12, that is similar in appearance to the post 8, but which extends to the floor and is provided at its terminal with a caster-wheel 51. At the point 52, corresponding to the bottom ring 84 of the post 8, is a casting 87, similar to the bracket shown in Fig. 4, that extends in a direction toward the footboard.

The bracket is arranged as a rest for the cross-piece 3, and a nose 88, which terminates the bracket, holds the loop 25 of the rod 23, which drops over the nose of the bracket and secures the parts, so that the frame, consisting of the parts 1 2 3 4, cannot be accidentally or unintentionally tipped or swung from a horizontal position and cannot be swung from

such position until the loop has been turned from over the nose of the bracket. To the back of the frame above the bar 2 is a rod 26, against which the edge of the mattress bears 5 and which holds the mattress from slipping when the bed is folded. The headboard swings on the post 62, the post 12 approaching the bar 5.

The footboard, composed of posts 31 and 32 10 and the cross-rods 33, 34, and 35, swings in the same manner. Each of the castings which terminate the lower ends of the posts 12 and 32 is provided with a spur or hook 41, over which can be temporarily engaged a loop 42, 15 that is pivotally connected to the bar 2, and the loop 42 locks the parts together when the bed is folded in the position shown in Fig. 2, from which it is easily unlocked by the user.

The mattress is held in place on the frame 20 which supports it by a bail or hoop 91, pivoted to the cross-bars 2 and 4, and a part of this bail runs across the frame below the level of the side pieces and is provided with an offset or looped portion 92, which lies behind 25 and above the bar 5 and which will easily swing by the bar 5 as the frame swings, but which engages around the bar 5 when the frame is turned up in the position shown in Fig. 2 and serves to lock the bail into position, as there shown. 30

An alternate construction for the hinge and pintle connection between the foot 6 and the standard 8 is shown in Fig. 8. Here at the bottom of the tube-post 8 is a short bracket 88, 35 which engages under an overhanging bracket 89 on the pintle-bracket 58. The engagement between the two brackets 88 and 89 causes the parts to interlock and prevent them from disengaging unless the swinging part is turned 40 abnormally.

In the folded position shown in Fig. 2 the feet 6 and 7 project to the rear beyond the mattress, which occupies a position behind the folded-in head and foot parts. The feet 45 occupy a position to the front and are directed toward one another or in some sizes may overlap slightly; but the four feet together furnish supports on which the entire structure will rest in a sufficiently stable form. 50 The entire bed in this condition may be moved from one position to another.

An alternative construction for the locking-loop 25 is shown in dotted lines in Fig. 3 and the rod part of it in full lines in Fig. 9. In 55 this a rod which is journaled to the back rail 2 and the front rail 4 is bent so that when turned to the position shown in dotted lines in Fig. 3 an abutment part of it, 96, engages against the bar 5 and acts as a brace between 60 the bar 5 and the side bar 2 and prevents the frame, of which the side bar 2 forms a part, from turning on its hinge. This is turned in its bearings by the handle part 241 to lift the abutment parts 96 out of engagement with

the side bar, after which the mattress-supporting frame is easily swung to its upright position. 65

What I claim is—

1. In a folding bed, the combination of a bar supported by posts at the ends thereof 70 that extend below for leg-terminals and above for pintles, a headboard vertically pivoted to one of said pintles, a footboard vertically pivoted to another of said pintles, a mattress-supporting frame hinged with respect to said 75 bar, and rest-brackets for the mattress-supporting frame on both head and foot boards.

2. In a folding bed, in combination with a horizontally - pivoted mattress - supporting frame, a vertically-pivoted headboard, a supporting-bracket on the headboard for the 80 mattress-supporting frame, a pivoted locking-loop engaging under the bracket, substantially as described.

3. In a folding bed, the combination of a 85 bar provided with feet and with pintle-posts at each end thereof, a headboard having a tubular post engaging over a pintle-post, a mattress-support pivotally supported to the bar, a rest-bracket on the headboard, a locking 90 device on the mattress-support and a locking projection on the headboard, substantially as described.

4. In a folding bed, in combination with a horizontal bar and means for supporting the 95 same, a mattress-supporting frame pivotally connected thereto, head and foot boards connected by vertical pivots to the horizontal bar, rest-brackets on the head and foot boards for the mattress-supporting frame, and interlocking mechanism engaging the mattress-supporting frame and a fixed part of the frame, 100 substantially as described.

5. In a folding bed, in combination with a horizontal bar and means for supporting the 105 same, a mattress-supporting frame pivotally connected thereto, head and foot boards connected by vertical pivots to the ends of the horizontal bar, rest-brackets on the head and foot boards for the mattress-supporting frame, 110 and an interlocking mechanism engaging the mattress-supporting frame and the foot of an end board, substantially as described.

6. In a folding bed, in combination with a horizontal bar and supports therefor, a mattress-supporting frame pivotally connected 115 thereto, head and foot boards pivotally connected to the ends thereof, a mattress-binder, and means on the mattress-binder for interlocking the binder and the horizontal bar, 120 substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

VERNOR J. GILLET.

Witnesses:

MAY E. KOTT,

LOTTA LEE HAYTON.