

No. 819,241.

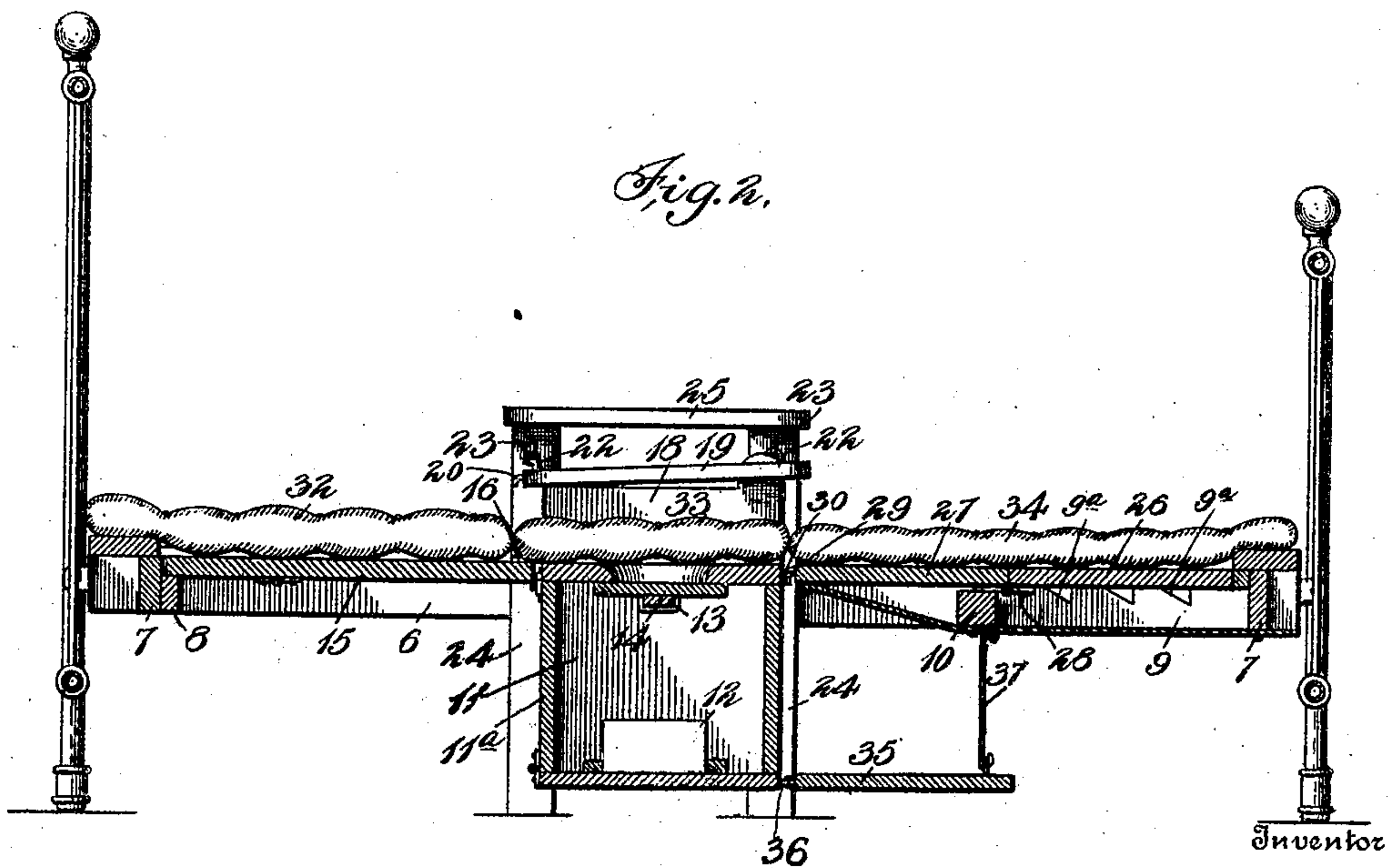
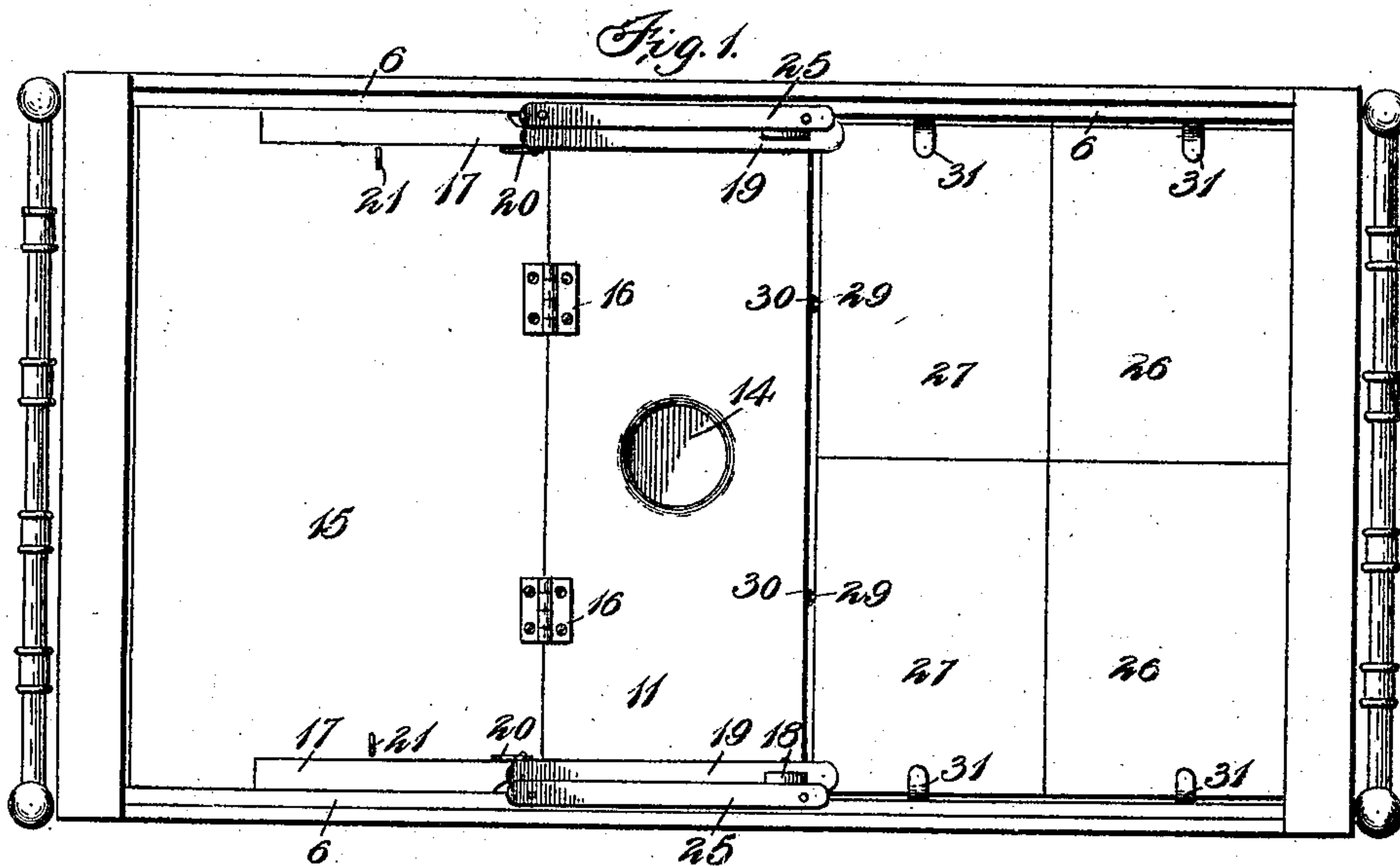
PATENTED MAY 1, 1906.

W. A. MOORE.

BEDSTEAD.

APPLICATION FILED JAN. 19, 1906.

2 SHEETS—SHEET 1.



Witnesses  
W. A. Curand

Geo. E. Tew

William A. Moore,  
By Milo B. Stevens & Co.

Attorneys.

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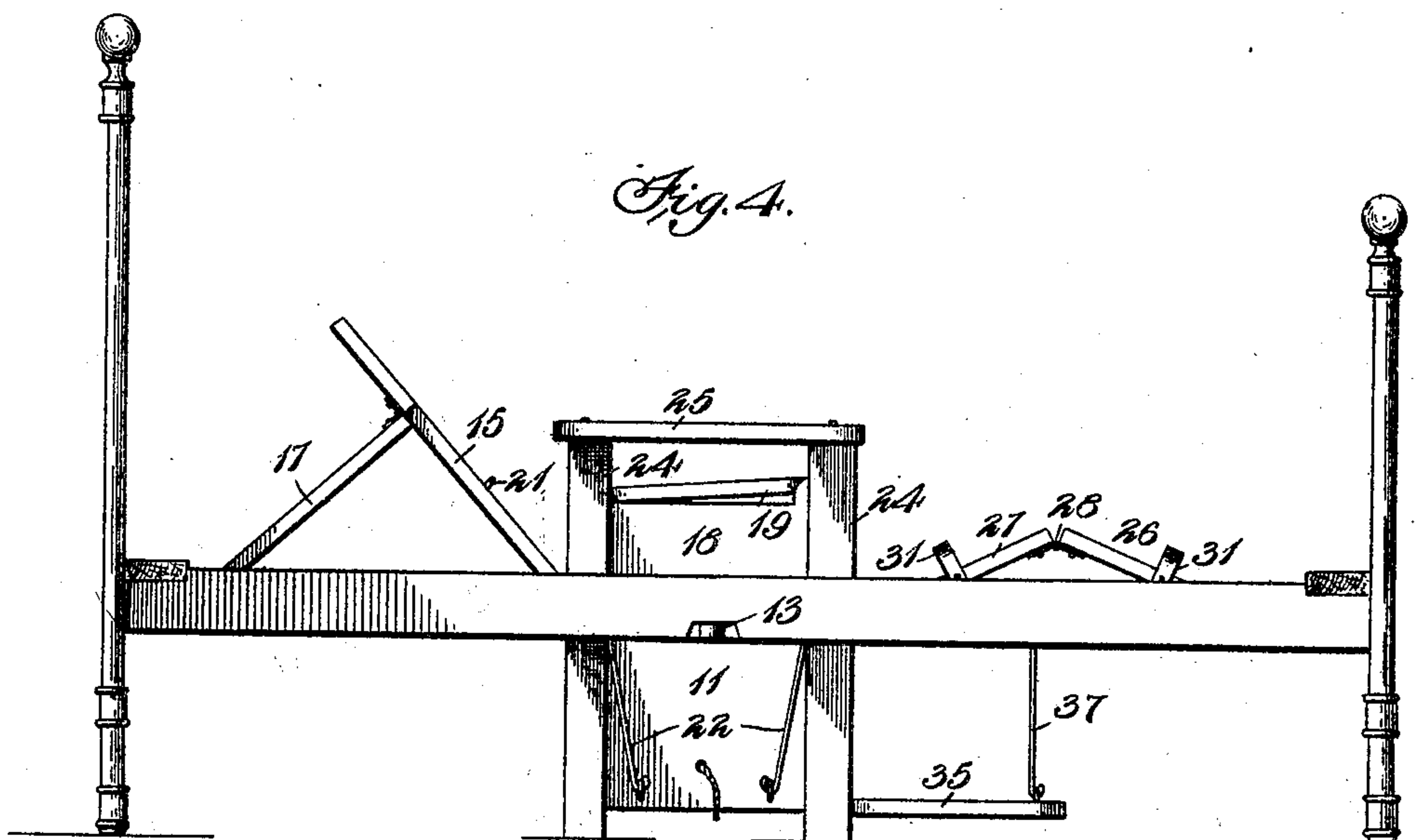
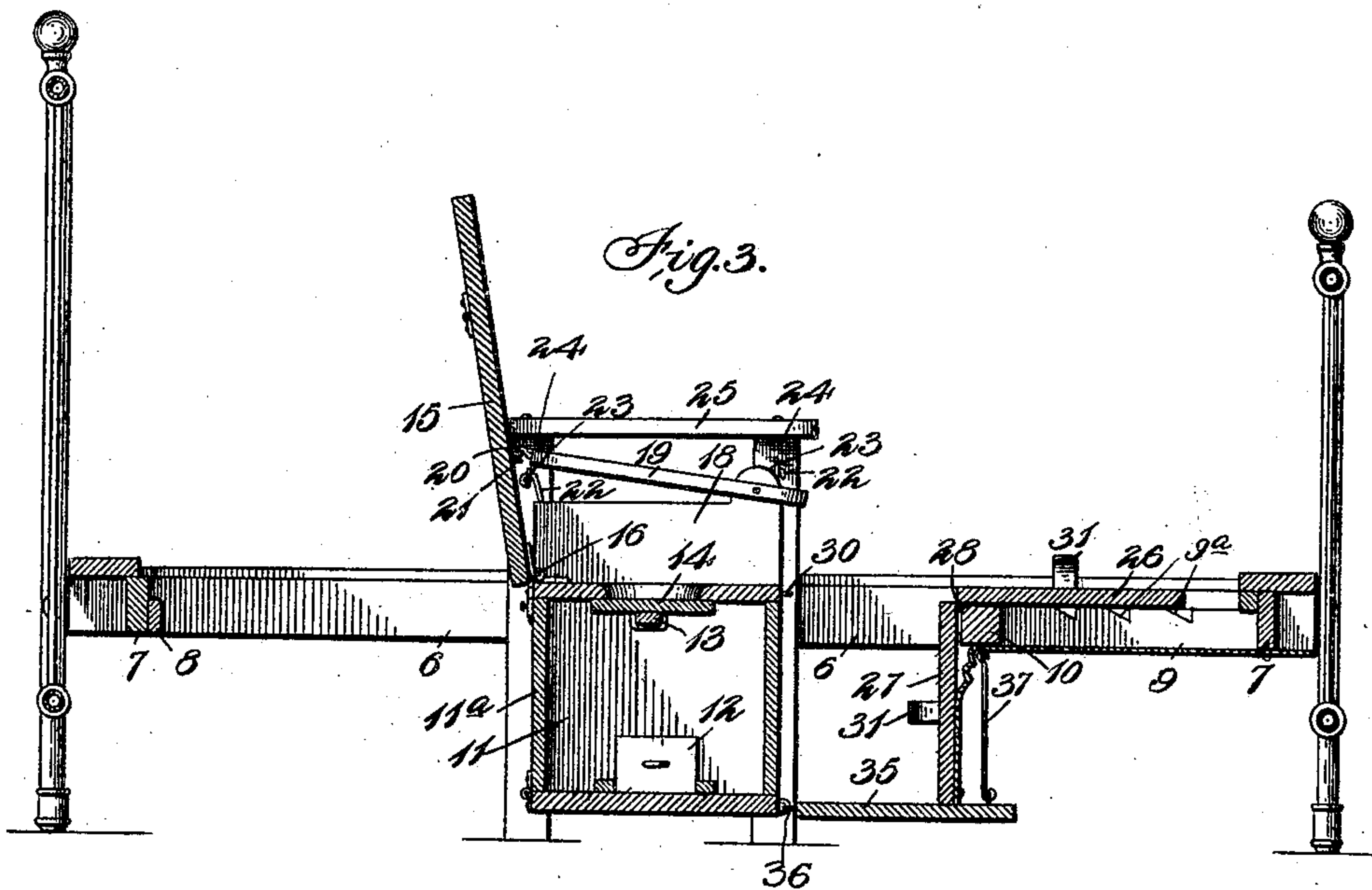
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Inventor

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Attorneys.

Witnesses

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# UNITED STATES PATENT OFFICE.

WILLIAM A. MOORE, OF CANTON, MICHIGAN.

## BEDSTEAD.

No. 819,241.

Specification of Letters Patent.

Patented May 1, 1906.

Application filed January 19, 1906. Serial No. 296,799.

*To all whom it may concern:*

Be it known that I, WILLIAM A. MOORE, a citizen of the United States, residing at Canton, in the county of Wayne and State of Michigan, have invented new and useful Improvements in Bedsteads, of which the following is a specification.

This invention is a bed designed for the use of the bedfast and invalids, and having convenient devices adapting it for use as a commode upon occasions.

The object of the invention is to provide an improved device of the kind which will allow the use of the commode by the invalid in a sitting position and which may also be adjusted to form a reclining-bed to support the invalid in a semi-upright position.

To this end the bed-bottom is made of a number of sections hinged together, one of these sections being or having a commode-box and the other sections being adjustable. The head-sections may be raised to an upright or inclined position. The foot-section is made so that the part of it next to the box will drop, thereby allowing the feet and legs of the invalid to be placed or hung down upon a footboard into an easy and natural position and one which will not necessitate exposure to cold and drafts.

In the accompanying drawings, Figure 1 is a top plan view of the bed-bottom with the mattress removed. Fig. 2 is a vertical longitudinal section with the bed in flat position. Fig. 3 is a similar section with the bed in upright position. Fig. 4 is a side elevation showing the head-section raised to a reclining position.

Referring specifically to the drawings, 6 indicates the side pieces, and 7 the end pieces, of the frame of the bed-bottom, which frame may be supported in the bedstead in any suitable manner. The piece 7 at the head has a cleat 8, which extends across the same and serves to support the head end of the bed-bottom, and near the foot the side pieces 6 have cleats 9 and a cross-piece 10, which serve to support the foot-section of the bed bottom.

At 11 is indicated a commode-box provided with a vessel 12, which may be removed through a door 11<sup>a</sup> at the side of the box, and with a sliding rod 13, adapted to close a cover 14 when the commode is not in use. The top of this box forms the middle section of the bed-bottom. The head-section 15 of the bed-bottom is hinged, as at 16,

to the top of the box, and is provided with a pair of hinged braces 17 at each side, which serve to support the head-section in the reclining position. (Shown in Fig. 4.) The box 11 has upwardly-extending ends 18, to which are connected arms 19, having hooks 20 arranged to engage eyes 21 on the head-section 15, and when so engaged they support the head-section in upright position, as shown in Fig. 3.

The commode-box is swung between rods 22, secured at their lower ends to the bottom of the ends 18 and at their upper ends to eyes 23 near the top of posts 24, of which there is a pair on each side. These posts are secured to the side bars 6 and rest upon the floor and are connected and braced at the top of a cross-piece 25.

The foot-section of the bed-bottom is made of two pairs of parts 26 and 27, making four pieces in all, two on each side. The section 27 on each side is hinged to its corresponding section 26 by hinges, as at 28, and the section as a whole is slidable lengthwise of the bed on the side cleats 9. The sections 27 are normally supported at their front ends by hooks 29, which engage in loops 30 at the adjoining edge of the top of the box 11, the cross-piece 10 forming a support at the middle. The cleats 9 are notched, as at 9<sup>a</sup>. The sections 26 and 27 are provided with handles 31, whereby they may be manipulated.

The mattress is made in three parts. One part 32 covers the head-section 15 of the bottom frame, the middle part 33 covers the top of the box 11, and the foot part 34 covers the foot-sections 26 and 27 of the bed-bottom.

At 35 is indicated a footboard which hangs under the bed, being connected by hook and loop 36 to the side of the box and by links 37 with the cross-piece 10. This serves to support the feet of the invalid using the commode and keeps his feet off the floor.

In use as a bed the sections of the bed-bottom all lie flat, as shown in Figs 1 and 2. When it is desired to make a reclining-bed, the head-section 15 is raised and the props 17 swung out to rest upon the cleat 8. This supports the section in inclined position. At the same time, in order to support the legs of the invalid in flexed position, either one or both of the pairs of sections 26 and 27 may be flexed on the hinges 28, the lower edge of the sections 26 being engaged in the notches. This holds said parts in double inclined position. The division of these parts along the



center line allows the bed to be set this way on one side while remaining flat on the other side, thereby providing for a convenient change of position when desired. To use the  
 5 commode, the head-section 15 is lifted and the hooks 20 engaged in the eyes 21. This holds said head-section in upright position. The hooks 29 are then disengaged from the loops 30 and the foot-section pulled forward  
 10 until the hinges 28 bend over the edge of the cross-piece 10. This allows the sections 27 to drop, as clearly shown in Fig. 3, the mattress being shoved back toward the foot. The invalid may now drop his legs over the  
 15 edge of the box 11 and rest his feet on the foot-piece 35, and so sit in an upright position. The parts may be shifted back to original position and the hooks reengaged to restore the bed to its normal position.  
 20 When the bed is in the position shown in Fig. 3 the seat thus formed can be used as a rocker, since it is hung by the rods 22 and can thus be swung back and forth by pressure on the footboard 35. The construction  
 25 shown in Fig. 4, in which the knees are elevated by the parts 26 and 27, is particularly serviceable in preventing bed-sores.

I claim—

1. In a bed-bottom, in combination, a  
 30 frame having side posts at the middle there-

of which stand upon the floor, a commode-box and seat swingingly hung from the posts, a head-section hinged to the box and adjustable to various angles.

2. A bed-bottom comprising a frame, a  
 35 commode-box supported therein and forming the middle section of the bottom, a head-section hinged to the box and having means to support the same in an upright position, and a foot-section having a hinged part de-  
 40 tachably engaged at one end to the box and hinged at its other end to the other part of the foot-section and adapted to be swung down and away from the box.

3. A bed-bottom comprising a frame hav-  
 45 ing cleats at the head and foot and posts on each side at the middle, a commode-box hung from said posts, a head-section hinged to the top of the box and adapted to rest upon the cleat at the head of the frame, and a foot-section  
 50 formed of parts hinged together and resting upon the cleats at the foot of the frame and detachably connected to the box.

In testimony whereof I have signed my name to this specification in the presence of  
 55 two subscribing witnesses.

WILLIAM A. MOORE.

Witnesses:

ELIZABETH J. PRICE,  
 LILLIAN A. SPARKLIN.