No. 684,218. Patented Oct. 8, 1901.

M. D. GAVAN.

INVALID BEDSTEAD.

(Application filed Apr. 26, 1901.)

(No Model.)

Fig.1.

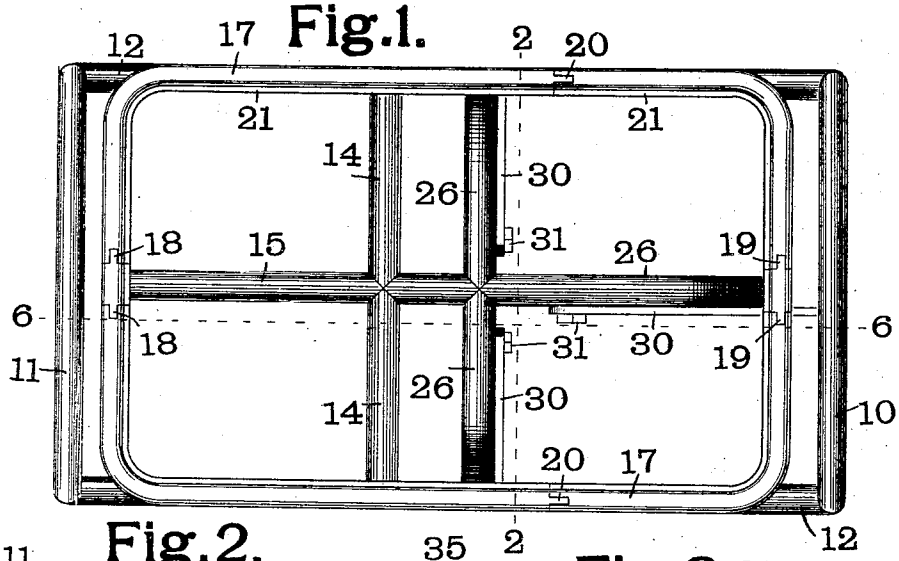


Fig.2.

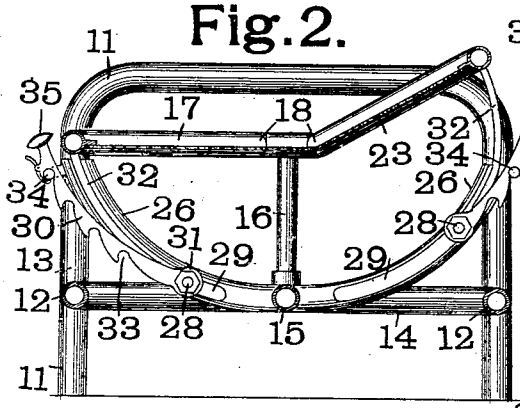


Fig.3.

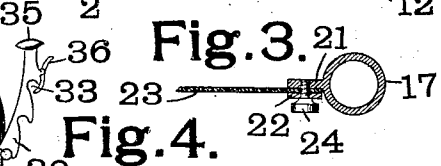


Fig.4.

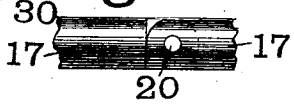


Fig.5.

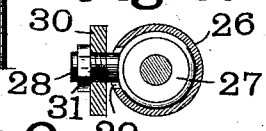


Fig.6.

Witnesses

W. A. Alexander

J. R. Watkins.

Inventor

M. D. Gavan

By Attorneys Fowler & Bryson.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

MICHAEL D. GAVAN, OF ST. LOUIS, MISSOURI, ASSIGNOR TO RICHARD HENNESSY, TRUSTEE, OF SAME PLACE.

INVALID-BEDSTEAD.

SPECIFICATION forming part of Letters Patent No. 684,218, dated October 8, 1901.

Application filed April 26, 1901. Serial No. 57,580. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL D. GAVAN, a citizen of the United States, residing at the city of St. Louis, in the State of Missouri, have invented a certain new and useful Invalid-Bedstead, of which the following is such a full, clear, and exact description as will enable any one skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The object of my invention is to provide an invalid-bedstead in which the sides may be raised to turn the occupant over or move him from one side to the other and in which the head of the bed can also be raised.

My invention consists in certain novel features and details of construction, all of which are described in the following specification and pointed out in the claims affixed hereto.

In the accompanying drawings, which illustrate one form of bed made in accordance with my invention, Figure 1 is a top plan view, the flexible bottom being removed. Fig. 2 is a section on the line 2 2 of Figs. 1 and 6. Figs. 3, 4, and 5 are enlarged detail views, and Fig. 6 is a section on the line 6 6 of Fig. 1.

Like marks of reference refer to similar parts in the several views of the drawings.

10 and 11 are the end frames, which are shown in the drawings as made of metal tubing, but which may be made of any other suitable material. The ends 10 and 11 are connected by two side bars 12, each of which is provided at or near its center with a downwardly-projecting U-shaped portion 13. The parts 13 are connected by a cross-bar 14. The bar 14 supports a longitudinal bar 15, one end of which carries an upright 16, rigidly secured to one end of the frame 17 of the bed-bottom.

The frame 17 is provided with two joints 18, one at each side of the point at which the upright 16 is attached to said frame. At the opposite end of the frame 17 are two joints 19, similar to the joints 18, and at each side of the frame is a joint 20. The joints 18, 19, and 20 are all made in the same manner as shown in detail in Fig. 4, so as to prevent further movement after the parts have been brought into a straight line. The frame 17 is provided with an internal flange 21. (Shown in detail in Fig. 3.) Between this flange and a strip 22 the bed-bottom 23, of canvas or other suitable flexible material, is held by thumb-screws 24.

One end of the longitudinal bar 15 is bent up, as shown in Fig. 6, to form a guideway 26. Sliding in the guideway 26 is a guide-block 27, from which a screw-threaded stud 28 projects through a slot 29 in the guide 26. The stud 28 is surrounded by one end of a notched adjusting-bar 30, which is held in place by a nut 31. The guide-block 27 is secured to one end of a curved supporting-rod 32, the other end of which is attached to the frame 17 between the joints 19. The adjusting-bar 30 is provided with notches 33, adapted to engage with a pin 34, carried by the guideway 26. The adjusting-bar 30 is also provided with a handle 35, and the upper notch 33 is provided with a spring-catch 36, which prevents its disengagement with the pin 34 until it is released by pressure on the said catch 36. Projecting laterally from the longitudinal bar 15 are two curved guide-tubes like the end guide-tube above described. The said guide-tubes, with their coöperating parts, are indicated by the same reference-numerals as the end guide-tube above described. The supporting-rods 32 of the side guide-tubes are attached to the sides of the frame 17 between the foot of the bed and the joints 20.

The operation of my bed is as follows: When it is desired to raise the head of the frame 17, the handle 35 of the end adjusting-bar 30 is grasped and the catch 36 released by a pressure of the finger. The bar is then drawn upward, bending the frame at the joints 20, as shown in Fig. 6. When the head of the frame has been sufficiently raised, one of the notches 33 is brought into engagement with the pin 34, thus locking the parts in position. In order to elevate one side of the bed, the head is first lowered until in line with the remainder of the frame, and then one of the side adjusting-bars is manipulated in the same manner as above described, thus raising one side of the frame, as shown in Fig. 2.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. In an invalid-bedstead, the combination with a bed-bottom composed of movable sections, of a curved guideway, a guide sliding in said guideway, a rod attached at one end to said guide and at the other to one section of said bed-bottom, and a notched adjusting-bar connected with said guide.

2. In an invalid-bedstead, the combination with a bed-bottom having an adjustable section, of a curved tube forming a guideway and having a slot formed therein, a guide sliding in said tube and connected to the adjustable section, a stud carried by said guide and projecting through said slot, an adjusting-bar pivoted on said stud, and means for securing said adjusting-bar in different positions.

3. In an invalid-bedstead, the combination with the end frames and side bars, of a central bar carried thereby, a hinged bed-bottom frame, a rigid support for one end of said bed-bottom frame carried by said central bar, an adjustable support for said bed-bottom frame carried by the other end of said central bar, and two adjustable side supports also carried by said central bar.

In testimony whereof I have hereunto set my hand and affixed my seal in the presence of the two subscribing witnesses.

M. D. GAVAN. [L. S.]

Witnesses:
W. A. ALEXANDER,
JAMES H. BRYSON.