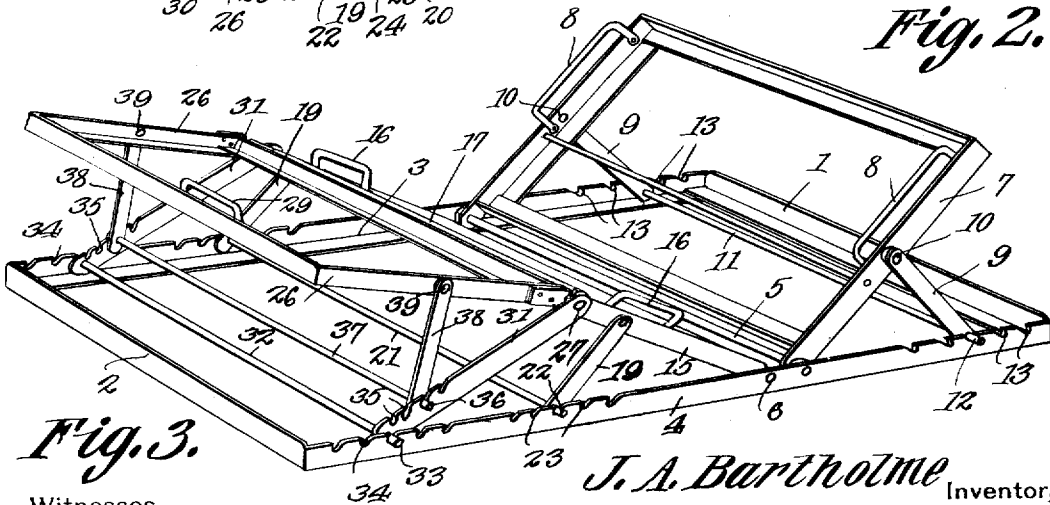
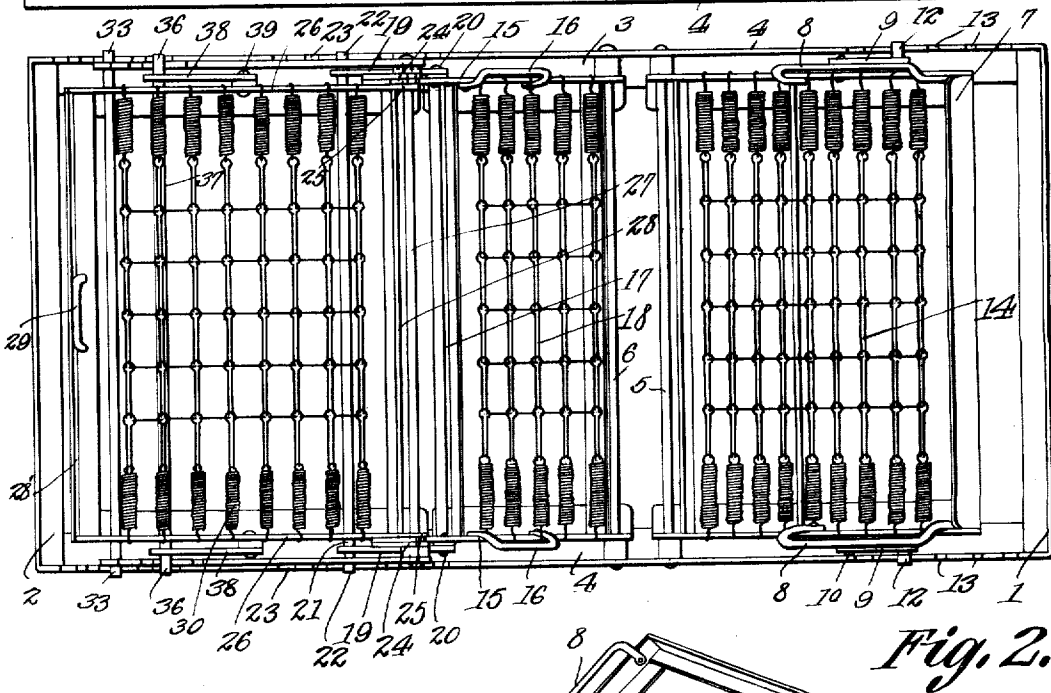
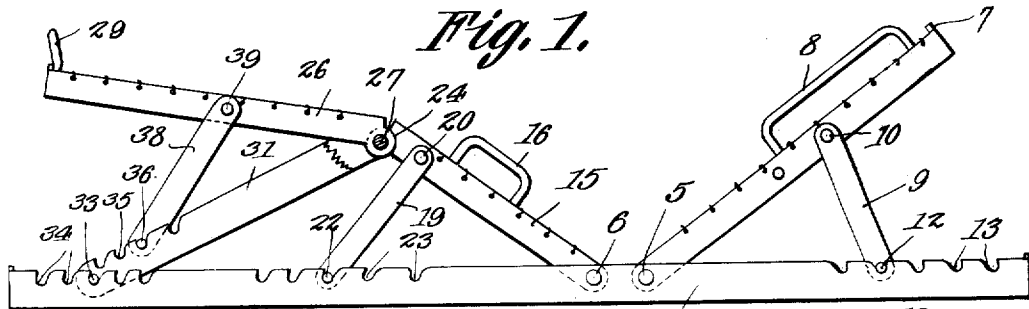


J. A. BARTHOLME.
INVALID BED.
APPLICATION FILED FEB. 21, 1913.

1,075,752.

Patented Oct. 14, 1913.



Witnesses

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UNITED STATES PATENT OFFICE.

JOSEPH A. BARTHOLME, OF BALTIMORE, MARYLAND.

INVALID-BED.

1,075,752.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOSEPH A. BARTHOLME, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented a new and useful Invalid-Bed, of which the following is a specification.

The present invention relates to improvements in invalid beds, the particular structure herein shown being an improvement upon that shown in applicant's former Patent No. 984,879, granted February 21, 1911, the primary object of the present invention being the provision of a bed in which the two sectioned collapsible member is provided with auxiliary braces for adjusting the foot or lower section at any desired angle relatively to the angle of the seat portion or section.

A further object of the present invention is the provision of an invalid bed in which there are three primary spring carrying sections, one section of which constitutes the back rest, while the other two sections are hingedly connected together and constitute a seat and a foot section respectively, all sections when alined fitting within the frame and being so mounted as to permit of individual adjustment to each section relative to the frame and to the other sections so that various poses or poises of the body may be had and maintained.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed can be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawings—Figure 1 is a side elevation of a complete invalid bed with the sections disposed in inclined relation to the frame. Fig. 2 is a top plan view thereof. Fig. 3 is a perspective view of the complete frame and section, minus the springs.

Referring to the drawings the main frame which is composed of angle iron or other metal plate, consists of the head and foot plates 1 and 2 and the two side plates 3 and 4, which are connected together to form an open rigid frame.

Journaled between the side frames 3 and

4 at a point slightly beyond the center thereof are two parallel rods 5 and 6, the rod 5 having pivotally connected thereto, the terminals of the bracket supporting frame 7, which is also composed of angle iron and has attached to the side portions thereof, two handles 8, whereby the back may be elevated or lowered as desired.

In order to maintain the back section in any desired position, two arms 9 are pivotally connected, as at 10, to the sides of the section 7 and carry in their terminals the transversely disposed rod 11, whose terminals 12 are projected beyond the outer faces thereof for engagement with two of the respective notches 13 of the sides 3 and 4 of the frame.

When the section 7 is in its lowermost position, the same is substantially incased within the rim of the frame with the handles 8 projecting thereabove for moving the section to any desired inclined position according to the relation of the rod 11 to the notches 13.

Connected in the frame is the mattress carrying springs 14, which are preferably composed of the fabric therein shown with the central portion a woven fabric and the supporting edges composed of spiral springs.

The section 15 is pivotally connected to the transversely disposed rod 6 between the side plates 3 and 4 and extends in an opposite direction to the section 7, the same being provided with the handle 16 so that the section may be moved to and from the frame, as is desired. This section has the cross bar 17 to which is properly connected the springs 18 constructed similarly to the springs 14.

The bracing arms 19 are pivotally connected at 20 to the sides of the section 15, and carry in their lower ends the rods 21, whose terminals 22 are disposed exteriorly of the arms 19, for engagement with the respective alined notches 23 of the side frames 3 and 4, so that the section 15 may be held at any desired adjustment or additionally braced at this point to prevent accidental collapse of the sections 15 and 31, although it has been found that this brace may be dispensed with entirely.

The upper terminals 24 of the frame 15 are connected by a rule-hinge joint to the terminals 25 of the lower foot carrying sec-

tion 26, which is constructed similar to the section 15, the same being connected together for swinging movement relative to each other by means of the rod 27, whose terminals project beyond the outer face of the arms 24 and have connected thereto the upper ends of the supporting arms or braces 31. The foot section 26 has connected to the extreme free end thereof centrally of the same, a handle 29, whereby the section may be elevated to and from the arms 31, the purpose of which will presently appear.

The arms 31 are connected together at their terminals by means of the rod 32, whose terminals 33 project beyond the outer face of the arms 31 and are disposed to engage the respective notches 34 of the frames 3 and 4 and maintain the section 15 at the desired inclination, the arms 31 thus forming the main braces for the seat section 15, while the arms 19 constitute an auxiliary brace.

The foot section or frame 26 is adjusted relatively to the arms 31 and held in such adjustment by means of the arms 38, which are pivoted to the section 39, and have their lower terminals connected together by means of the rod 37, the extended ends 36 thereof being disposed in coactive relation with the notches 35 formed in the upper edge of the arms 31. This construction is clearly shown in Figs. 1 and 3 in which the section or frame 26 is shown elevated.

The foot section 26, as do also the other sections, carries the mattress holding springs 30, so that the mattress whether made in separable members, one to each section of the bed, or a single mattress, may be properly

supported upon the bed sections whether in irregular outline or in a horizontal plane. 40

From the foregoing description, taken in connection with the drawings it is evident that with an invalid bed constructed according to the present invention, the foot section 26 may be adjusted at any angle to the seat section 15, and that therefore various positions or poises may be had with a bed of this character, and that such sections by the adjustable supports may be maintained at any one of the adjustments as long as desired. 50

By means of the handles disposed upon each of the sections, the sections may be readily lifted or lowered, while with the handle 16 it is possible for the invalid to elevate the sections 15 and 26 when desired. 55

What is claimed is:

An invalid support, including a frame, a back section adjustably mounted thereto, a seat and leg supporting member hingedly connected to the frame and composed of two hinged sections, an auxiliary brace disposed for coaction with the frame and the junction of the two hinged sections in flexed relation to each other, and a second auxiliary brace for engagement with the lower section of the two sections and the first auxiliary brace, and to maintain the lower section adjusted relatively to the first auxiliary brace. 60

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses. 70

JOSEPH A. BARTHOLME

Witnesses:

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