

No. 706,624.

Patented Aug. 12, 1902.

M. WINTERS.

BED SPRING.

(Application filed Nov. 27, 1901.)

(No Model.)

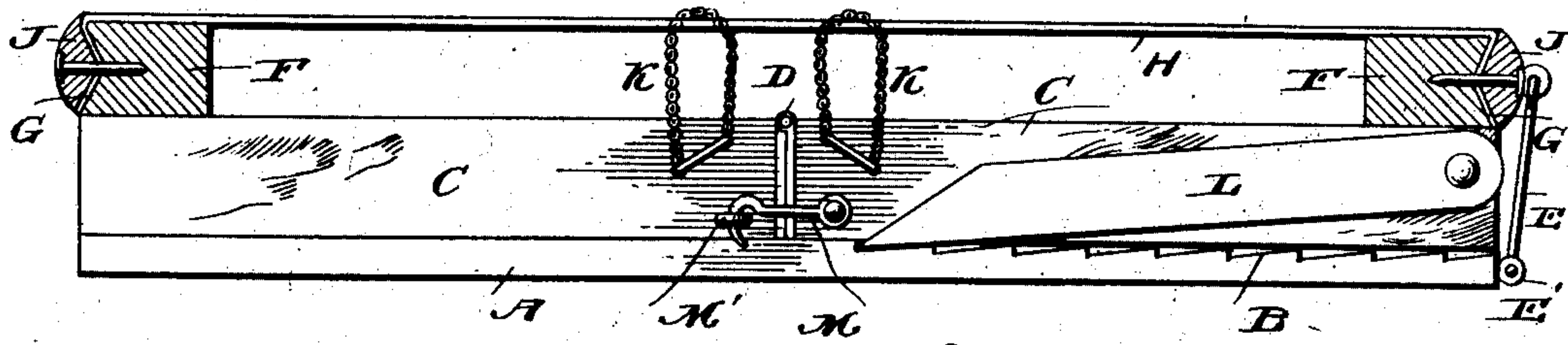


Fig. 1.

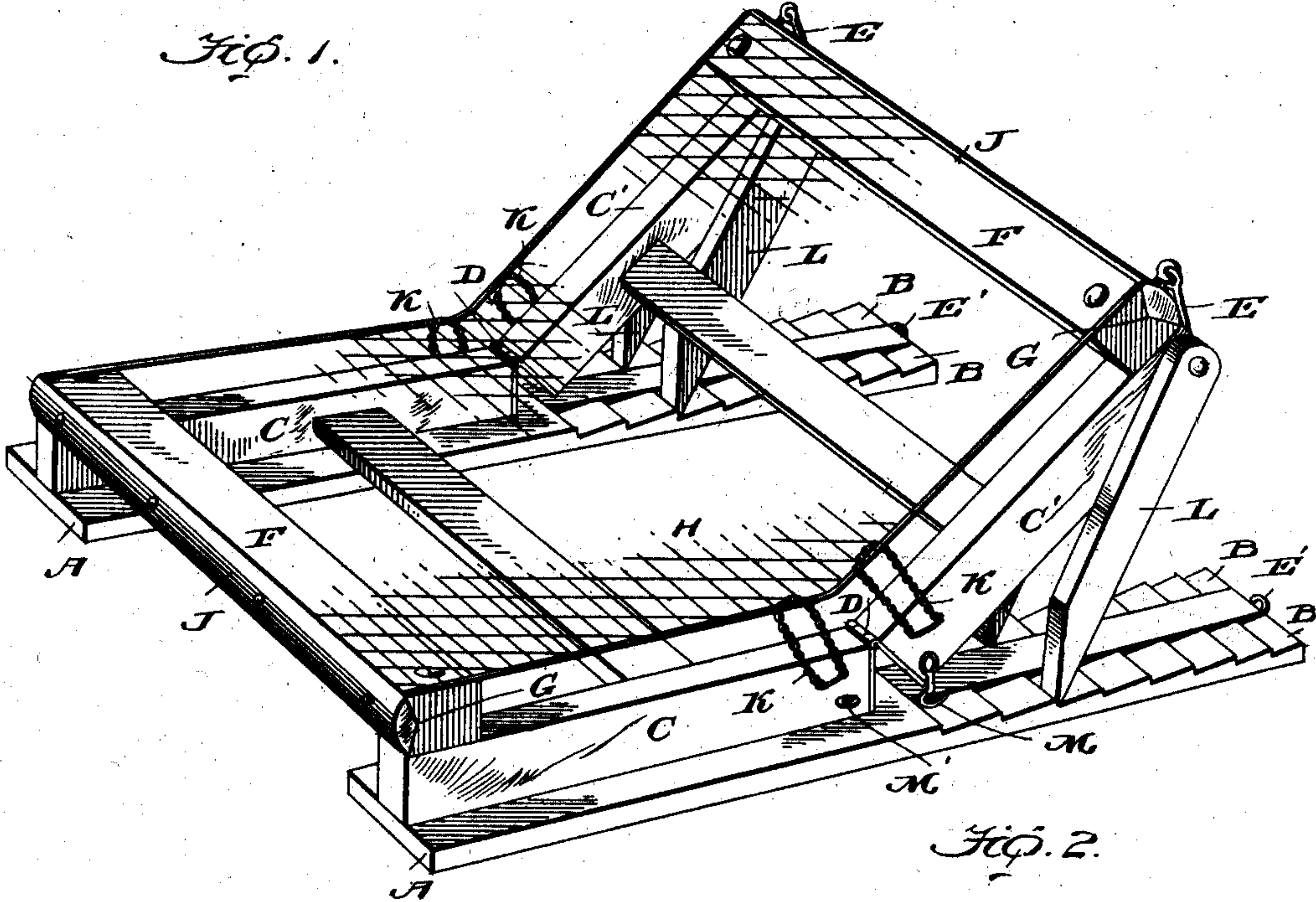


Fig. 2.

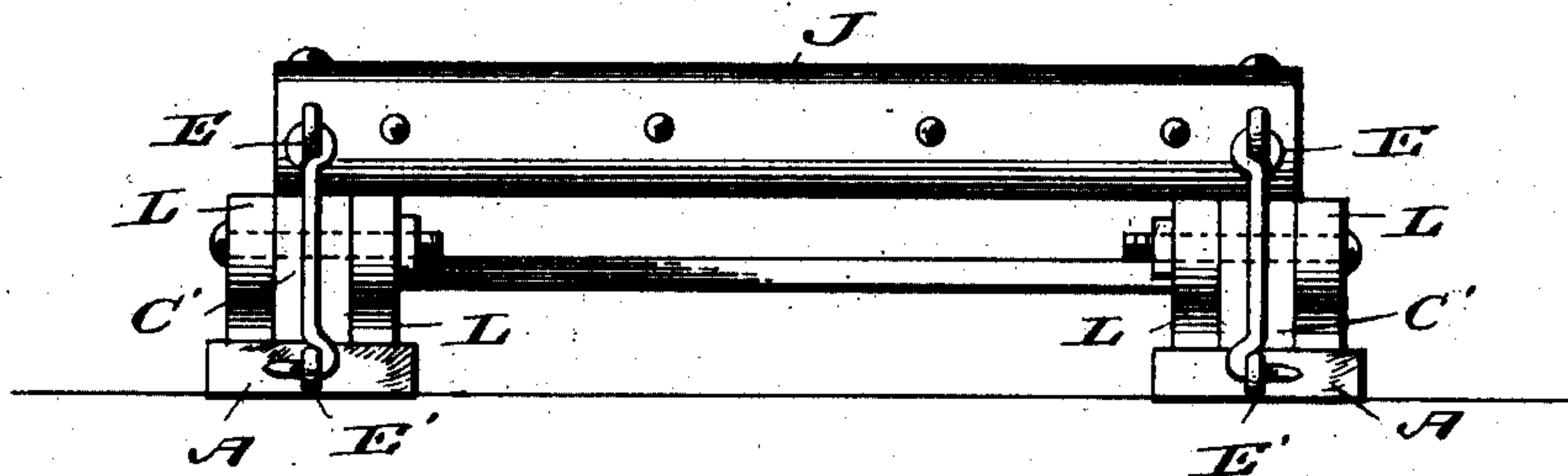


Fig. 3.

Witnesses

W. C. [Signature]
W. C. [Signature]

by

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UNITED STATES PATENT OFFICE.

MYRTLE WINTERS, OF ATLANTA, GEORGIA.

BED-SPRING.

SPECIFICATION forming part of Letters Patent No. 706,624, dated August 12, 1902.

Application filed November 27, 1901. Serial No. 83,893. (No model.)

To all whom it may concern:

Be it known that I, MYRTLE WINTERS, a citizen of the United States, residing at Atlanta, in the county of Fulton and State of Georgia, have invented certain new and useful Improvements in Head-Rests, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to improvements in bed-springs, and refers particularly to a bed-spring specially adapted for invalids or bed-ridden persons; and the object of my invention is the provision of a spring which can be constructed at a reasonable price and which can be easily adjusted to any desired position to suit the desires of the user, and thus prove a desirable, useful, and practical invention.

With this object in view my invention consists of a bed-spring embodying novel features of construction and combination of parts, substantially as disclosed herein.

Figure 1 represents a side view of my bed-spring with the two sections of the spring-carrying frame in line. Fig. 2 represents a perspective view with the hinged end of the spring-frame adjusted to an incline to suit the occupant of the bed. Fig. 3 represents an end view.

Referring by letter to the drawings, A designates the parallel base-rails, which are provided at one end on their upper face with the double racks or ratchet-faces B. Upon the flat base-rails are secured the rigid strips C and the similar strips C', which are connected by the flat hinges D, and when desired to hold the hinged strips in line with the rigid strips I use the pivoted latches E, which are connected to the hinged member or section of the frame and engage the keepers E' on the rigid member of the frame. From this construction it will be seen that the frame is composed of two sections, one of which is rigid and the other hinged and movable, and to the said members on the upper side are secured the cross-strips F, which are formed with the grooved outer faces G, and the ends of the spring H rest in the grooves of said cross-strips F and are secured firmly by the clamping-strips J, which serve to hold the ends of the spring firmly in place, and the

spring is drawn tightly across the end strips and is retained at the central portion to the hinged and rigid sections by the fastenings K, which are secured to each side of the spring and to the sections adjacent to the hinge, as shown. The woven-wire spring being connected taut to the end pieces, the tendency thereof is to raise the hinged section, and to hold said section at any incline, forming a back and head rest, I employ the two sets of dogs or detents L, which are pivoted at their upper ends to the hinged section and have their lower ends beveled to engage the sets of double racks on the base-strips, and thus act to hold the body and head rest at any desired angle. To hold the hinged and stationary sections in line when desired to use the spring for an ordinary bed-spring, I employ the latches M, which are connected to the hinged section and engage keepers M' on the base-rails, as will be understood.

It will be apparent from the drawings and descriptions that I provide a bed-spring which can be used as an ordinary flat spring and which can be used for invalids or bed-ridden persons and which can be instantly adjusted to give any incline to rest the body and head in the most agreeable and comfortable position and that the spring can be produced at a low price.

I claim—

The combination with the base-rails, having at one end double racks, of the rigid strips at one end of said rails, the movable strips hinged to said rigid strips, the latches for holding said hinged strips in line, cross-strips, a wire fabric secured to said cross-strips, fastenings upon opposite sides of the hinges connecting the wire fabric to the hinged and rigid strips to secure the wire fabric to the said strips, pivoted detents carried by the free end of the movable section to engage said racks, and means for connecting one of the sections with the other at their hinge-joint, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

MYRTLE WINTERS.

Witnesses:

H. E. W. PALMER,
CHAS. A. READ.