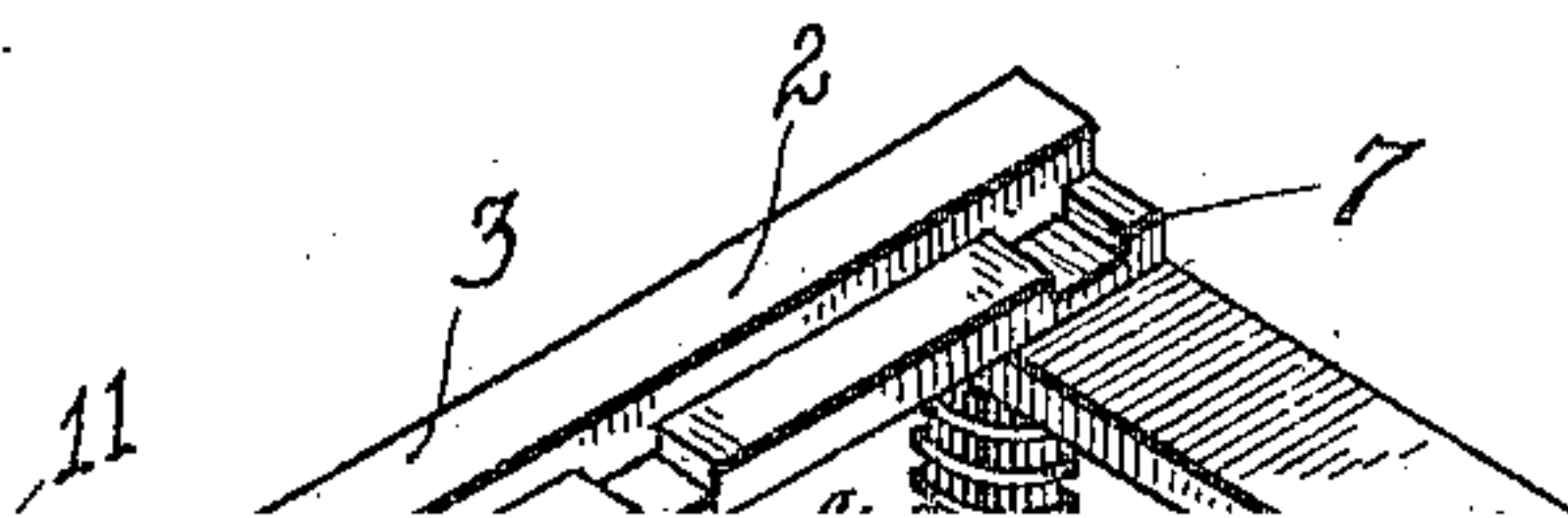


985,380.

W. E. THOMPSON.
FOLDING BED SPRING.
APPLICATION FILED JUNE 12, 1909.

Patented Feb. 28, 1911.



UNITED STATES PATENT OFFICE.

WILLIAM E. THOMPSON, OF ROSALIE, TEXAS, ASSIGNOR OF ONE-HALF TO JOHN W. HOLMES, OF ROSALIE, TEXAS.

FOLDING BED-SPRING.

985,380.

Specification of Letters Patent.

Patented Feb. 28, 1911.

Application filed June 12, 1909. Serial No. 501,792.

To all whom it may concern:

Be it known that I, WILLIAM E. THOMPSON, a citizen of the United States, residing at Rosalie, in the county of Red River and State of Texas, have invented certain new and useful Improvements in Folding Bed-Springs, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to bed springs, and has for its object the production of a bed spring, which can be readily adjusted, so as to fit different size beds and also can be readily folded, so as to occupy a small amount of space.

Another object of this invention is the production of a bed spring, which is simple in construction, efficient in operation and consists of a minimum amount of parts.

In the drawings: Figure 1 is a perspective view of the bed spring; Fig. 2 is a transverse section of the side rails, showing the connection for the same; Fig. 3 is a section taken on line 3—3 of Fig. 1; Fig. 4 is a detail perspective view of one of the ends of the primary section of the upper side rails. Fig. 5 is a detail perspective of one of the ends of the auxiliary section of the upper rail. Fig. 6 is a detail perspective, showing the connection between the sections of the lower rail of the side rails.

Referring to the drawings by numerals, 1 designates the side rails, which comprise an upper rail 2 and a lower rail 3. The upper rail 2 comprises a primary section 3^a and an auxiliary section 4 and the primary section of the upper rail is provided with a socket portion 5, which is provided at its inner edge upon the bottom thereof with a longitudinally-extending slot 6. The primary and auxiliary sections 3^a and 4 are provided upon one side with a longitudinally-extending ledge portion 7, in which is formed a plurality of sockets 4^a adapted to receive slats. The auxiliary section 4 of the upper rail is provided at its inner edge with a reduced extension 9, having its upper face and one side in the same plane as the body of the rail and having a longitudinally-extending slot 10 formed in the extension. A thumb-screw 11 is adapted to pass through the slots 6 in the primary sections and the slots 10 of the auxiliary sections and securing the primary and auxiliary sections at their meeting end in an adjusted position.

The lower rail 3 also comprises a pair of sections, each of said sections provided at its inner edge with a reduced end, which ends are provided with a longitudinally-extending slot 12 in which is adapted to fit a thumb-screw 13 adapted to adjustably secure the sections in an adjusted position similar to that shown and described in the upper rail.

Each of the sections of the upper rail are provided, at their outer ends with an integral-depending portion 14, which portion is adapted to pass through an aperture 15 formed in the outer ends of the sections of the lower rail, and said depending portion 14 is held against displacement from the aperture 15 by means of a nut 16 threaded upon the lower end 17 of the depending portion 14. Upon the depending portion 14 is placed a coil spring 18, which is adapted to yieldably support the upper rail upon the lower rail.

Secured to the sections of the upper rail and lower rail are knobs 19, which knobs are threaded into the sections of the rails and are placed intermediate the ends thereof. A coil spring 20 is positioned between the upper and lower rails, having its upper end passing around the knob of the upper rail and its lower end passing around the knob in the lower rail and thereby firmly holding the coil spring and preventing lateral displacement thereof.

It will be obvious from the foregoing description that when the upper rails are forced down upon the lower rails by means of compressing the springs, that when the springs are nearly compressed the knobs 19 will engage each other, thereby removing all of the strain from the coil springs 18, positioned upon the depending portions 14, as would happen if it were not for the knobs 19.

Slidably mounted upon the depending portion 14, and yieldably supported by means of the coil spring 18 is a sectional end rail 21, which comprises a primary section 22 and an auxiliary section 23. The sections 22 and 23 are formed, at their meeting ends to the lower side rails 3, and are provided with a reduced portion 24, having a longitudinally-extending slot 25 formed therein, in which is adapted to fit a thumb-screw 26 for securing the same in an adjusted position.

From the foregoing description it will be

obvious that the present invention provides for a bed spring, which can be quickly and easily adjusted to fit any width or length bed desired, and can also, as previously
5 stated, be quickly and easily folded, so as to occupy a small amount of space.

What I claim is:

A structure of the character described comprising upper adjustable side sections
10 with their inner ends adapted to be lapped together and having depending portions formed therewith at their opposite outer ends provided with screw threaded terminals adjustable end sections slidably mount-
15 ed on said depending portions so as to contact with said upper side sections, coiled springs mounted on said depending portions, adjustable lower side sections slidably

mounted on the lower ends of said depending portions, means on said screw threaded
20 terminals to hold the upper and lower convolutions of said springs in contact with the end and lower side sections, knobs detachably connected to the upper and lower sections and projecting therefrom, springs hav-
25 ing their upper and lower convolutions mounted over said knobs and contacting respectively with said upper and lower sections, and attaching means projecting outwardly from the lower side sections. 30

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

WILLIAM E. THOMPSON.

Witnesses:

FRANCIS M. WATKINS,
WILLIAM B. SPEIS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
