

F. B. TOWNSEND.
 DEVICE FOR TIGHTENING WIRE BED SPRINGS.
 APPLICATION FILED MAY 8, 1908.

936,958.

Patented Oct. 12, 1909.

Fig. 1.

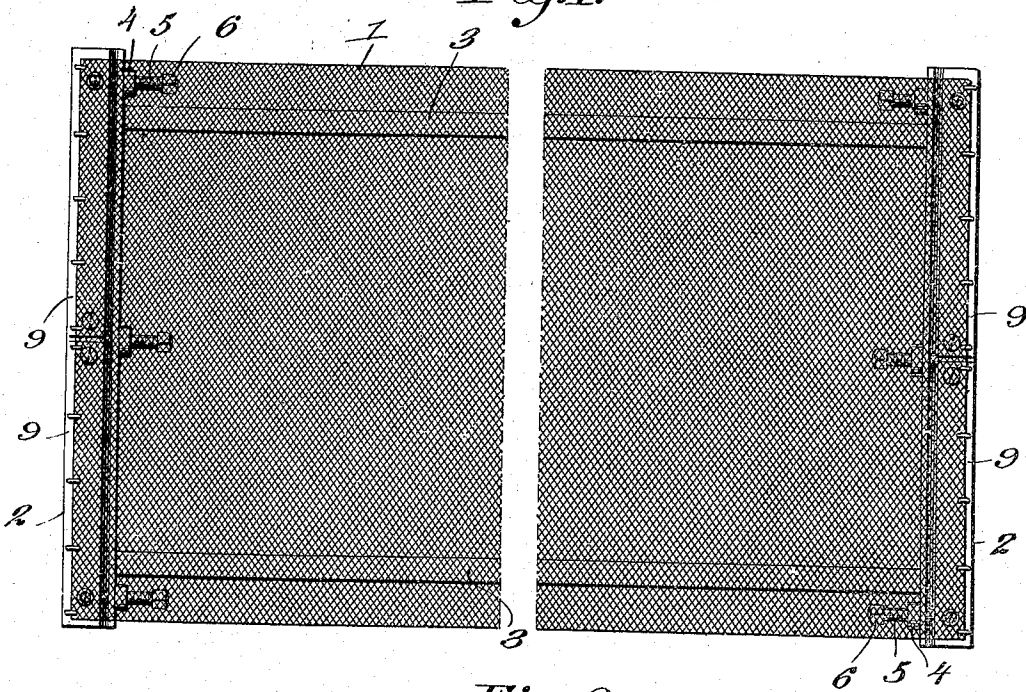


Fig. 2.

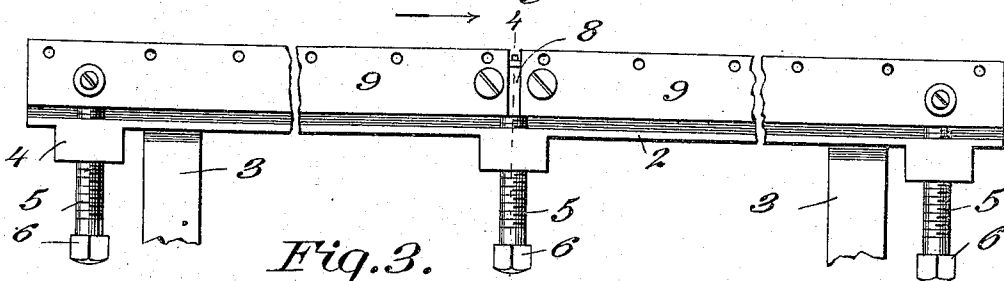


Fig. 3.

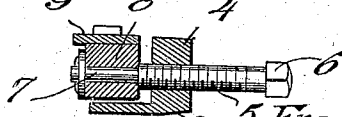
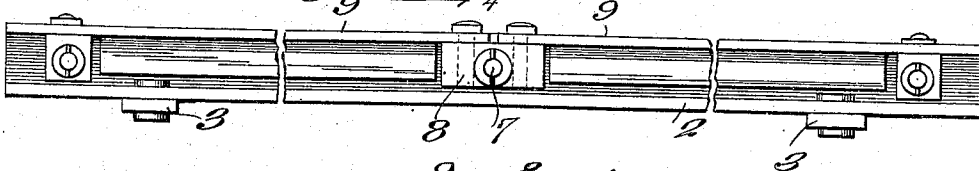


Fig. 4.

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UNITED STATES PATENT OFFICE.

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DEVICE FOR TIGHTENING WIRE BED-SPRINGS.

936,958.

Specification of Letters Patent.

Patented Oct. 12, 1909.

Application filed May 8, 1908. Serial No. 431,644.

To all whom it may concern:

Be it known that I, FRANK B. TOWNSEND, an American-born citizen of the United States, residing at Joliet, in the county of Will and State of Illinois, have invented new and useful Improvements in Devices for Tightening Wire Bed-Springs, of which the following is a specification.

This invention relates to devices for tightening wire bed springs, and the object of the invention is to provide a simple, cheap and effective device of this character which may be readily applied to any ordinary spring frame, and which embodies means whereby the center as well as the sides of the wire mesh may be readily and quickly tightened upon the frame and retained in said tightened condition.

To these ends the invention resides in the novel construction and arrangement of parts, hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a top plan view of a bed spring frame provided with the present improvements. Fig. 2 is a similar view, upon an enlarged scale, of one of the ends of the frame, the wire mesh being removed. Fig. 3 is a front elevation of one of the ends. Fig. 4 is a sectional view upon the line 4—4 of Fig. 2.

In the accompanying drawings the numeral 1 designates a wire spring for beds, of the usual construction. This spring is supported upon a suitable frame comprising the ends 2, which are connected by the longitudinal bars 3. The ends 2 are constructed of the regular L-shaped or angle irons having their vertical walls facing each other and the body of the netting 1. These vertical walls are each provided with spaced bosses 4 having interior threads adapted for the reception of securing elements 5. These elements 5 have one of their ends provided with an operating head 6 and a reduced portion 7. This reduced portion 7 is adapted to be received within openings provided upon spaced blocks 8, and securely retained in connection therewith by suitable washers and pins. The bosses 4 are positioned adjacent the edges of the ends 2 and directly at the center of the vertical wall of the ends. The block 8 positioned within the center of the ends 2 is of a greater width than the remaining blocks, the object being to provide a pivotal bearing for the ends of bars 9, the opposite ends of which are pivotally secured to the end blocks 8. These bars 9 are provided

with suitable perforations adapted for the reception of securing elements, by which the wire spring or netting is retained upon the bars.

From the above description it will be noted that the center as well as the ends of the netting 1 may be drawn taut, through the medium of the elements 5 upon the ends 2 of the frame, and that the device is extremely simple, thoroughly efficient and may be applied to any ordinary bed spring frame by simply providing the vertical wall of the end of the frame with suitable threaded openings adapted for the reception of the threaded adjusting elements 5. It will be further noted that by supplying the adjusting elements 5 with the reduced portions 7 adapted for engagement with the blocks 8, that the bars 9 are effectively secured against outer as well as inner movement, so that the netting 1 is retained in perfect adjusted position.

Having thus fully described the invention what is claimed as new is:

In a device for tightening wire bed springs, end members, each of said ends comprising an L-shaped member having its vertical wall provided with a central and an end threaded boss upon their outer faces, blocks provided with reduced non-threaded openings upon the horizontal wall of each of the L-shaped end members, threaded elements having reduced non-threaded extensions, said elements adapted to engage the threaded bosses of the L-shaped members and the non-threaded openings of the blocks, the central block being of a greater length than the end blocks, means for securing the non-threaded extensions of the threaded members revolutely upon the outer faces of the blocks, a pair of bed bottom securing members each having one end connected with the end block and its opposite end connected with the central block, and each of said connecting members having its inner face offset to provide an L-shaped structure adapted to aline with the vertical offset of the end members to limit the movement of the said supporting members in one direction.

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

FRANK B. TOWNSEND.

Witnesses:

JOHN A. BERSCHIED,
WILLIAM F. DOYLE.