A. O. STRICKER.

BED SPRING STRETCHER.

APPLICATION FILED MAY 13, 1912.

1,048,911. Patented Dec. 31, 1912.

Fig. 1.

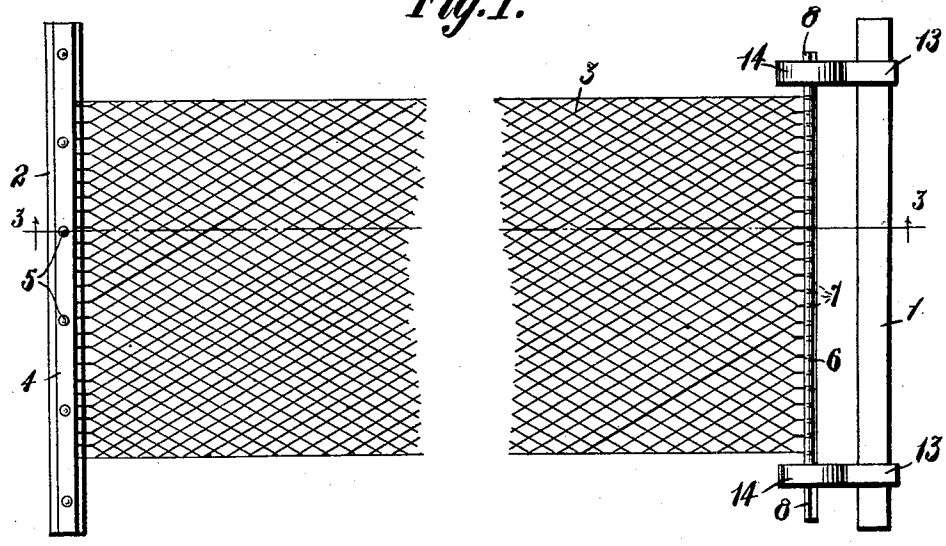


Fig. 2.

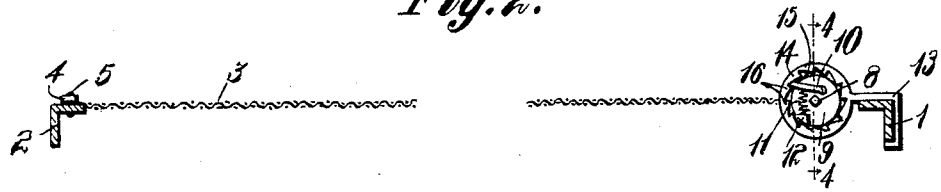


Fig. 3.

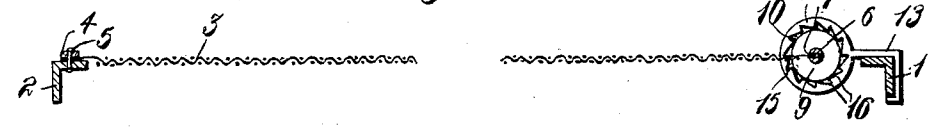
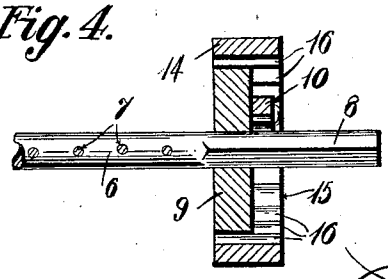


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

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BED-SPRING STRETCHER.

1,048,911. Specification of Letters Patent. **Patented Dec. 31, 1912.**

Application filed May 13, 1912. Serial No. 697,025.

To all whom it may concern:

Be it known that I, ALBERT O. STRICKER, a citizen of the United States, residing at Clements, in the county of Redwood, State of Minnesota, have invented certain new and useful Improvements in Bed-Spring Stretchers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention is directed to improvements in devices for stretching fabric springs of bedsteads and has for its object to so construct a device of this character that the bed springs may be easily and quickly stretched when desired.

With these and other objects in view, this invention resides in the novel features of construction, formations, combinations and arrangements of parts to be hereinafter more fully described, claimed and illustrated in the accompanying drawing, in which:—

Figure 1 is a top plan view of the device. Fig. 2 is a side elevation. Fig. 3 is a sectional view on line 3—3 of Fig. 1. Fig. 4 is a sectional view on line 4—4 of Fig. 2.

Referring to the drawings, the numerals 1 and 2 designate head and foot rails, respectively, of a bed employing a fabric wire mattress supporting spring.

One end of the fabric spring 3 is secured to the foot rail 2 by a cleat 4, said cleat being held in place thereon and clampingly engaging the edge of the spring by bolts 5. The other end of the spring 3 is secured to a roller 6, said roller being provided with a plurality of alined perforations 7 for receiving and securing the strands of the spring. The ends of the roller 6 are squared as at 8, and secured upon squared ends are disks 9, each of said disks having pivotally connected thereto a pawl 10. The pawls 10 are held in their extended positions by a coiled spring 11, one terminal of which is secured to the pawl, and the other terminal rests upon a projection 12 carried upon said disk. Adapted to engage the said rail 1 is a pair of hooks 13, the inner ends of which terminate in circular heads 14, which are provided with transversely arranged open bearings 15, said bearings having their inner walls provided with a plurality of ratchet teeth 16, which are adapted to be engaged by the pawls 10 as the disks 9 carrying the same are rotated, thus spreading the spring 3 to the desired tension. As each disk 9 is mounted between the open bearings 15, it is obvious that when a wrench or suitable tool is applied to one of the projected squared ends of the roller 6, and pressure applied thereto, said roller may be rotated sufficiently to permit the said disk to rotate until the desired tension to the spring 3 is obtained, and upon releasing the pressure upon the roller 6 the spring pressed pawl 10 will engage the teeth formed in the open bearings to prevent unwinding of the spring 3.

What is claimed is:—

In combination with a supporting rail of a bed, of hooks detachably engaging one of said rails, said hooks having heads formed upon their inner ends, open bearings formed in the heads, and having their inner walls provided with a plurality of ratchet teeth, a roller having a plurality of perforations formed therein for receiving the strands of one end of a wire mattress, said roller having squared ends, disks carried by the squared ends, said disks being operable in the open bearings, pawls pivoted upon the disks, projections formed upon the disks, coiled springs each having one of their ends secured to the pawls and their other ends resting upon the projections for holding the pawls in engagement with the teeth of the bearings, said roller being operable to stretch the spring when operated.

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

ALBERT O. STRICKER.

Witnesses:

C. D. JENSEN,

GUST BACKER.