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PATENTED JULY 30, 1907.

F. A. LOOPE.
SPRING MATTRESS.
APPLICATION FILED APR. 10, 1907.

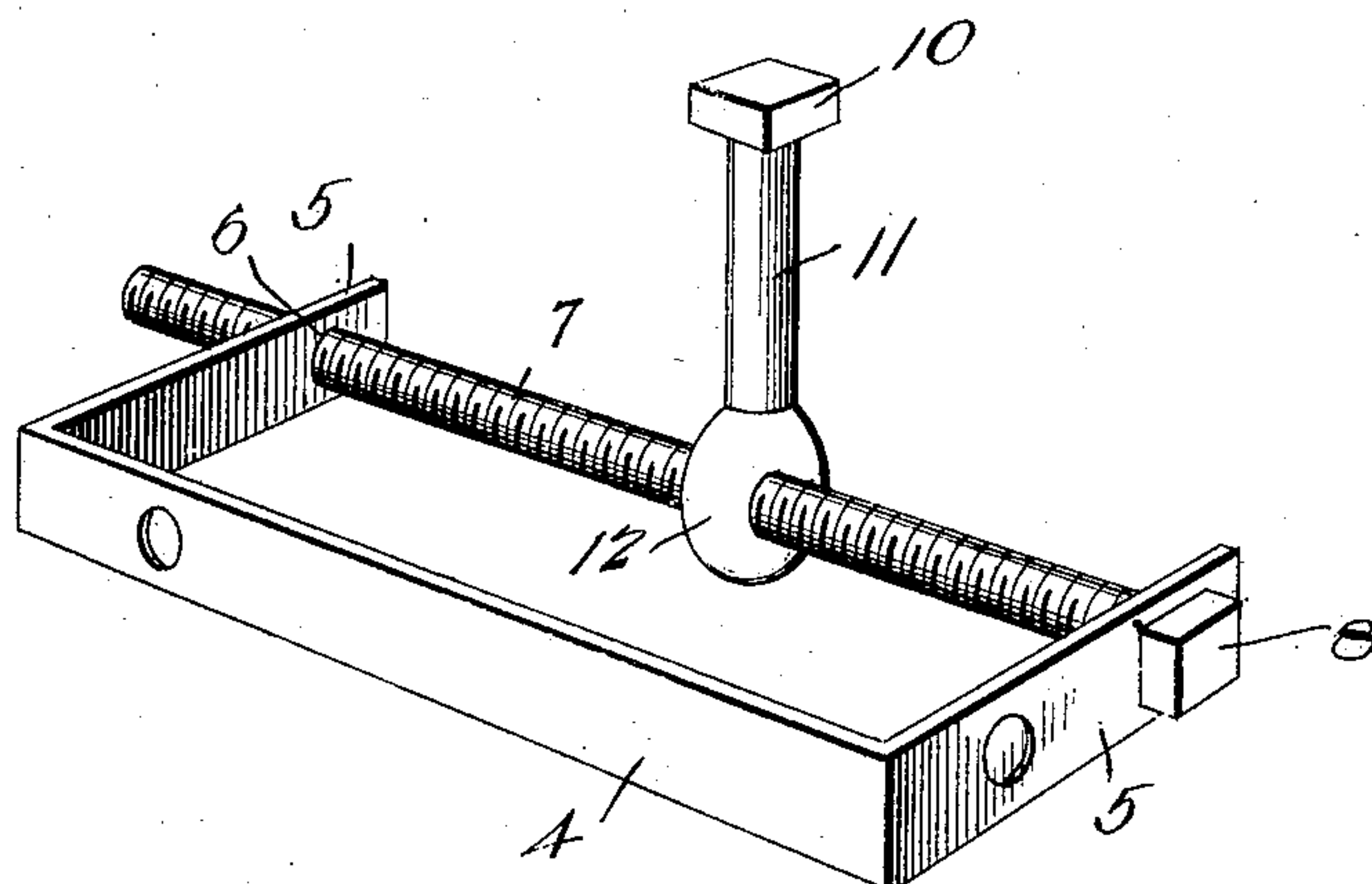
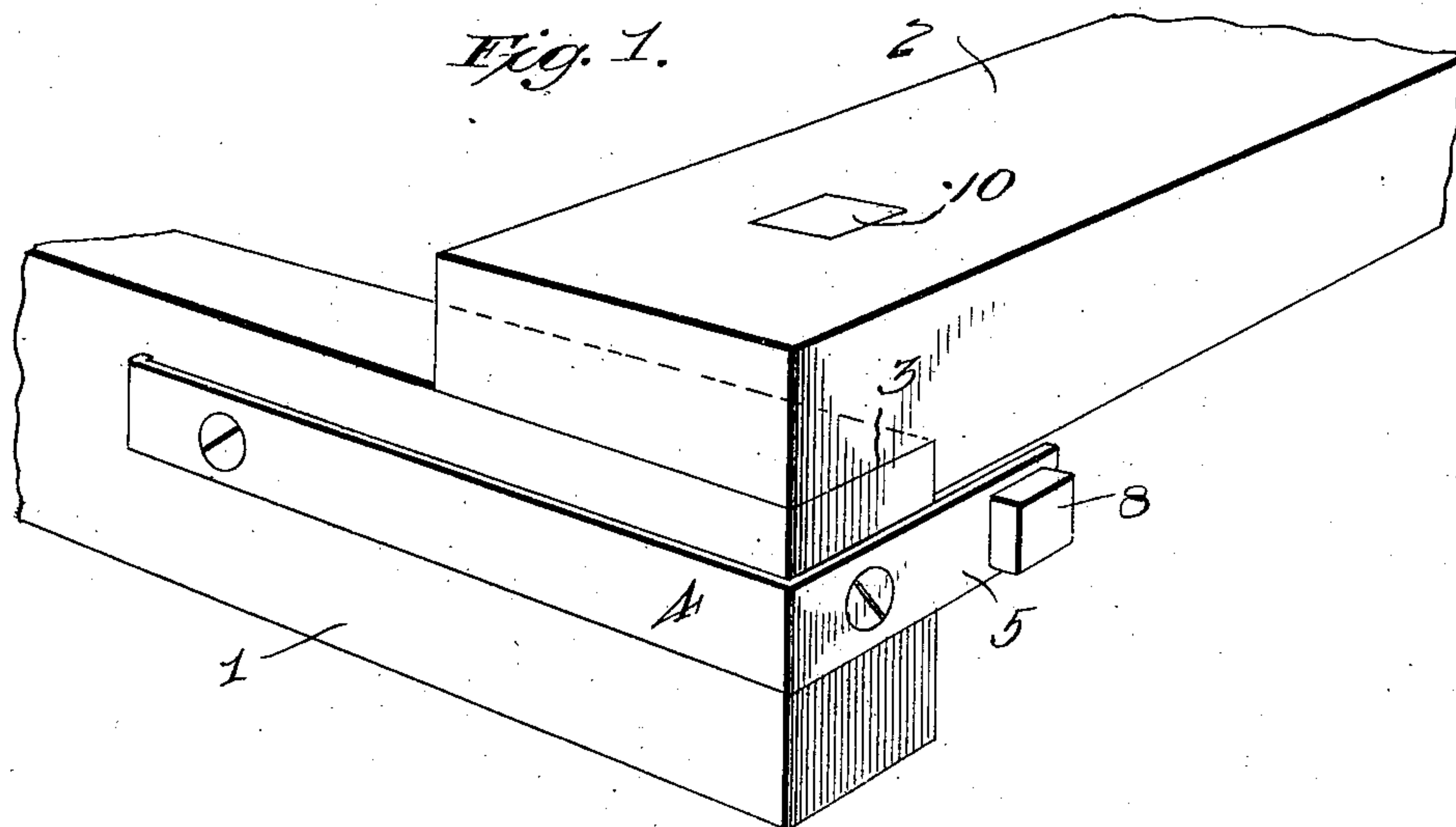


Fig. 2.

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SPRING-MATTRESS.

No. 861,665.

Specification of Letters Patent.

Patented July 30, 1907.

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To all whom it may concern:

Be it known that I, FRED A. LOOPE, a citizen of the United States, residing at Frederick, in the county of Brown and State of South Dakota, have invented new and useful Improvements in Spring-Mattresses, of which the following is a specification.

This invention relates to spring mattresses being directed especially to an improved tensioning device by means of which the mattress spring may be tightened from time to time as circumstances may require and has for its object to provide a comparatively simple, inexpensive device of this character which may be readily applied for use, one which may be conveniently operated for tightening or tensioning the spring, and one which is susceptible of ready application to the various forms of spring mattresses now in general use.

With these and other objects in view, the invention comprises the novel features of construction and combination of parts more fully hereinafter described.

In the accompanying drawings, Figure 1 is a perspective view of a portion of a spring mattress equipped with a tensioning device embodying the invention. Fig. 2 is a perspective view of the tensioning device unapplied.

Referring to the drawings, it will be seen that the mattress frame comprises a side rail 1 and an end bar or rail 2 rabbeted at 3 to receive the upper edge of the rail 1 on which the bar 2 is slidably mounted, these parts being of the usual or any appropriate construction and material and adapted in practice to perform their ordinary functions.

The tensioning device forming the subject matter of the invention embodies a substantially U-shaped metal bearing piece or yoke 4 applied to the outer face and to extend longitudinal of the rail 1 and having spaced end portions or arms 5, one of which bears at the end of the rail 1, while the other extends transversely through a suitable opening provided in the latter, there being formed at a point adjacent the outer ends of the arms 5

which project beyond the inner face of the rail 1 circular bearing openings or perforations 6 in which is rotatively mounted a tensioning feed screw 7 provided at its outer end with a square or other non-circular head 8 adapted for engagement by a suitable tool to be employed in rotating the screw.

Formed in the end bar 2 at a point adjacent its end is a square or other non-circular opening in which is fitted a correspondingly shaped head 10 formed on the upper end of a vertical connecting member or bolt 11 provided at its lower end with a circular portion or head 12 through which the screw 7 is threaded as seen more clearly in Fig. 2.

In practice, the end bar 2 of the frame, to which the wire fabric of the mattress is attached as usual, may be moved back and forth in a direction longitudinal of the rail 1 for tensioning the mattress by suitably manipulating the tensioning screw 7 to feed the member 11 back and forth thereon, as will be readily understood, it being apparent that in the operation of turning the screw a wrench or analogous tool is engaged with the non-circular head 8. It is to be understood that in practice each end of the bar 2 will be adjustably connected with the adjacent side rail 1 by means of one of the tensioning devices herein described.

What I claim is:

A spring mattress frame comprising a side rail and an end bar mounted for movement in a direction longitudinal of the rail, a substantially U-shaped bearing member attached to the rail and having end portions projecting beyond the inner face of the latter, a tensioning screw journaled in said end portions at the inner side of the rail and provided with a non-circular tool receiving head, and a connecting bolt engaged with the end bar and having a portion through which the tensioning screw is threaded for operating the bolt to move the end bar.

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

FRED A. LOOPE.

Witnesses:

H. O. STINSON,
R. G. TOWNSEND.