No. 797,030. PATENTED AUG. 15, 1905.

R. M. VAN EATON.

MATTRESS.

APPLICATION FILED MAY 28, 1904

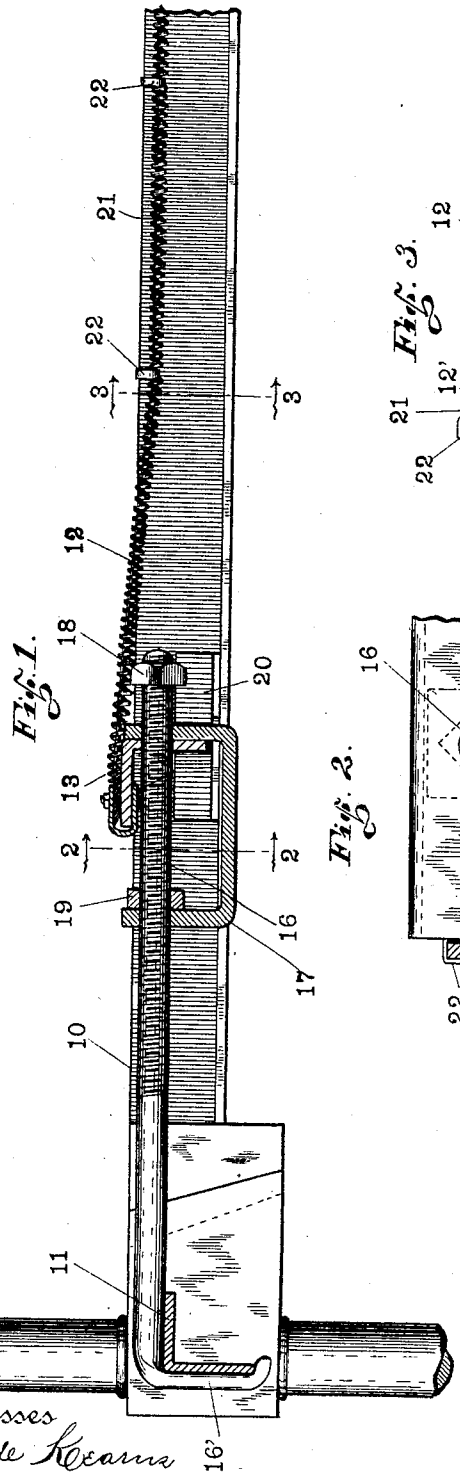


Fig. 1.

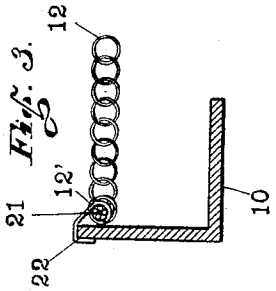


Fig. 3.

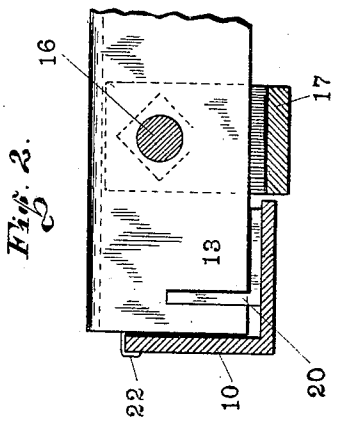


Fig. 2.

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UNITED STATES PATENT OFFICE.

RICHARD M. VAN EATON, OF STERLING, COLORADO.

MATTRESS.

No. 797,030. Specification of Letters Patent. Patented Aug. 15, 1905.

Application filed May 28, 1904. Serial No. 210,213.

To all whom it may concern:

Be it known that I, RICHARD M. VAN EATON, a citizen of the United States, residing at Sterling, in the county of Logan and State of Colorado, have invented certain new and useful Improvements in Mattresses, of which the following is a specification.

In the use of woven-wire springs in connection with iron or other bedsteads it has heretofore been customary to provide the springs with a rigid frame. In such construction difficulty is found in adjusting the tension of the springs and the structure is heavy and difficult to handle.

The object of my present invention is to provide means by which such springs may be made with only end rails, and these end rails attached to the end rails of the bedstead by an adjustable connection, so that the tension of the springs may be easily adjusted, the construction being of such character, however, that the spring may be easily rolled for removal from the bedstead.

A further object of my invention is to provide means for stiffening the sides of the spring and for preventing the sides from sagging too much below the level of the frame of the bedstead.

The accompanying drawings illustrate my invention.

Figure 1 is a vertical section of my improved spring and the adjustable means for holding the same in connection with an ordinary type of iron bedstead. Fig. 2 is a section on line 2 2 of Fig. 1, and Fig. 3 is a section on line 3 3 of Fig. 1.

In the drawings, 10 indicates the side rail of an ordinary iron bedstead, and 11 indicates either the foot or head rail. An ordinary woven-wire mattress-sheet 12 is provided at each end with an angle iron or plate 13, which is attached to the end of the mattress by any suitable means.

The plate or cross-bar 13 is perforated horizontally to receive a bolt 16, (one at each end and intermediate ones, if desired,) which is also passed through the perforated arms of a U-shaped yoke 17, one arm of said yoke taking against the inside of the cross-bar, while the other arm lies some distance in advance thereof. A nut 18 on the end of bolt 16 prevents accidental disassociation of the parts, and a nut 19 on said bolt engages the forward arm of the yoke 17 in position to hold the yoke against the pull of the mattress. Bolt 16 is provided at its free end with a hook 16′, which is adapted to take over the end rail 11 of the bedstead.

In operation the parts are placed in the position shown in Fig. 1, (at each end of the mattress, if desired) and by adjusting the nut 19 upon the bolt 16 a proper tension of the mattress 12 may be obtained. In order to prevent the cross-bar 13 from tipping by reason of weights placed upon the mattress, I provide a short angle-plate 20, adapted to rest upon the horizontal flange of the side rail 10, and this angle-plate is provided in its vertical flange with a transverse slot adapted to receive the cross-bar 13. In order to reinforce the sides of the mattress and to prevent too much sag thereof, I run through the outer spiral on each side a cable 21 and then provide a series of hooks 22, each of which is provided with one end which can be slipped between two turns of the outside spiral 12′ and at the other end is adapted to be hung over the upper edge of the vertical flange of the side rail 10.

I claim as my invention—

1. The combination, with a mattress provided with an end angle-bar, of a U-shaped yoke having one arm adapted to engage one flange of said end bar, a threaded hook passing through said yoke and the engaged flange of the end bar, said hook being adapted to engage the end rail of a bedstead, and a nut threaded on said bolt and adapted to engage the yoke, whereby the effective length of said hook may be adjusted in order to move the end bar of the mattress with relation to the rail of the bedstead.

2. The combination, with a bedstead, of a mattress provided with an end bar, an angle-bar 20, arranged to rest and slide upon the side rail of the bedstead, and having a transverse slot formed in its upright arm, said slot being adapted to receive the cross-bar of the mattress, a connection between said end bar of the mattress and the end rail of the bedstead, and means for adjusting the effective length of said connection.

In witness whereof I have hereunto set my hand and seal, at Sterling, Colorado, this 23d day of May, A. D. 1904.

RICHARD M. VAN EATON. [L. S.]

Witnesses:

JAMES E. MUSTARD,

ALEX. MUSTARD.