J. SIRR & J. W. KLEINE.

BED SPRING.

APPLICATION FILED APR. 26, 1909.

938,717.

Patented Nov. 2, 1909.

Fig. 1.

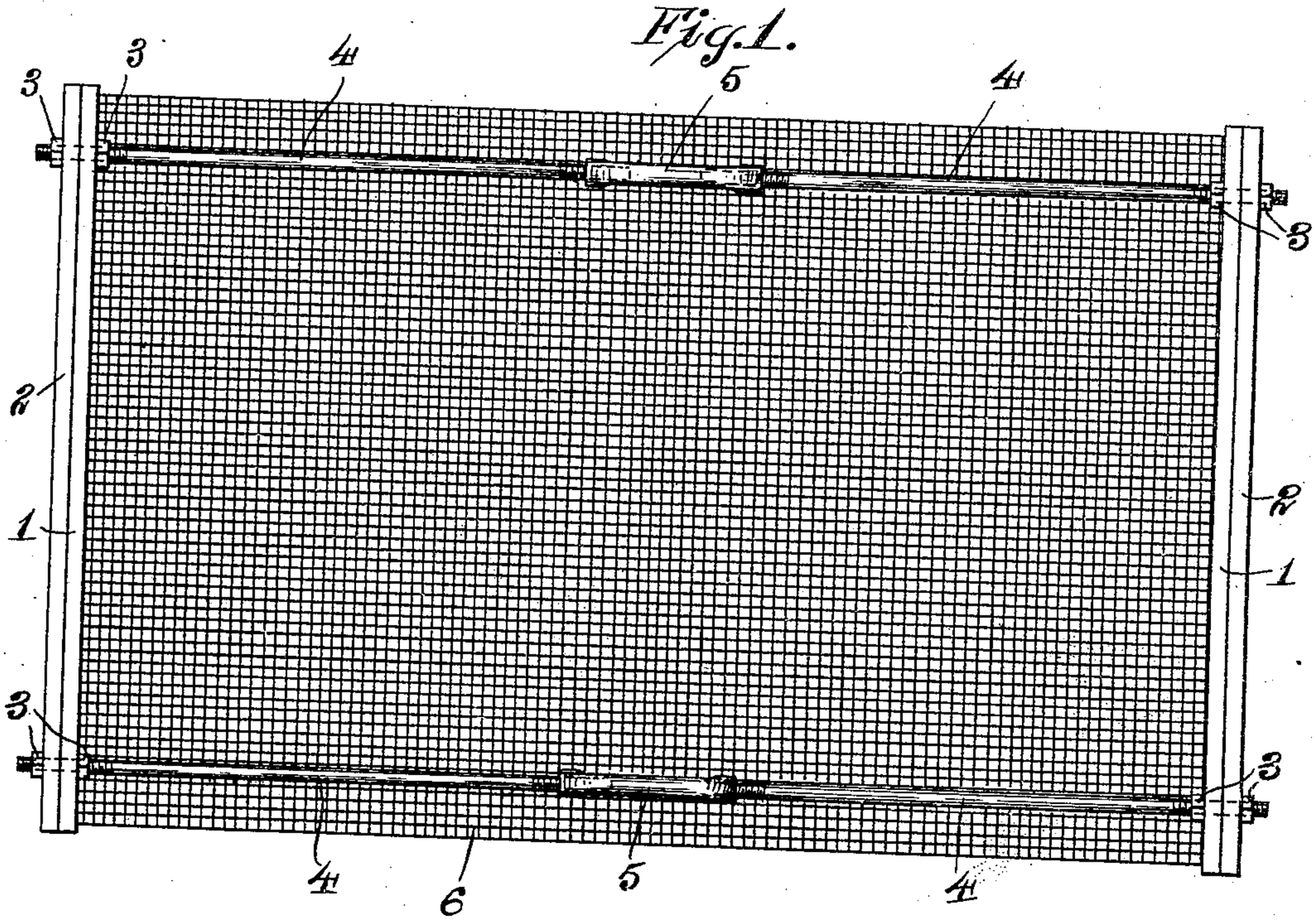


Fig. 2.

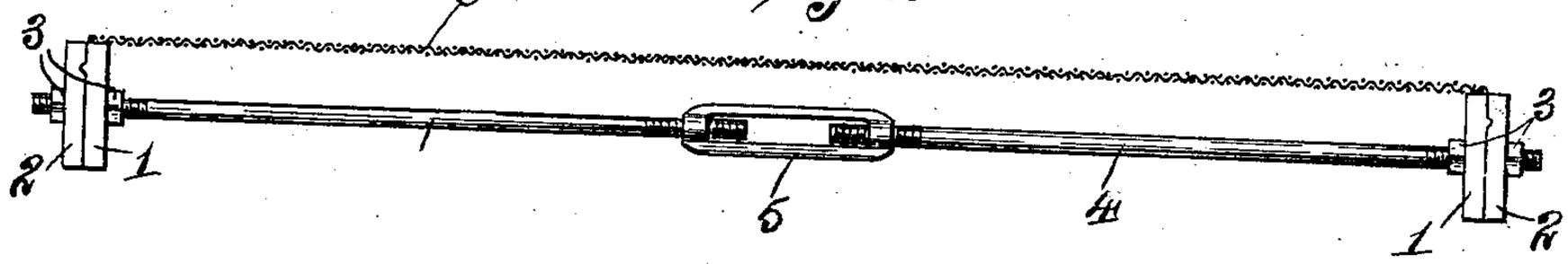
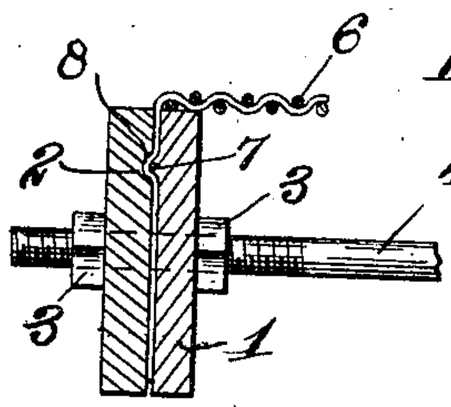


Fig. 3.



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UNITED STATES PATENT OFFICE.

JUSTIN SIRR AND JOHN W. KLEINE, OF CHICAGO, ILLINOIS.

BED-SPRING.

938,717. Specification of Letters Patent. Patented Nov. 2, 1909.

Application filed April 26, 1909. Serial No. 492,295.

To all whom it may concern:

Be it known that we, JUSTIN SIRR and JOHN W. KLEINE, citizens of the United States, and residents of the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Bed-Springs, of which the following is a specification.

Our invention relates to bed springs and the object of our invention is to so construct the frame thereof that the same will be adapted to be readily adjusted longitudinally to effect the longitudinal stretching of the bed spring proper or wire fabric of the bed spring.

A further object is to provide a construction of the character mentioned which will be strong and durable and simple of construction, hence of low cost to manufacture.

Other objects will appear hereinafter.

With these objects in view our invention consists in a bed spring characterized as above mentioned and in certain details of construction and arrangement of parts all as will be hereinafter fully described and particularly pointed out in the claims.

Our invention will be more readily understood by reference to the accompanying drawings forming a part of this specification, and in which,

Figure 1 is a bottom plan view of our device in its preferred form, Fig. 2 is a side elevation thereof, and Fig. 3 is an enlarged sectional detail.

Referring now to the drawing 1—2 indicate co-acting substantially similar metallic plates, the same being of preferably an elongate rectangular form. Extending between parallelly disposed pairs of said plates 1—2, the extremities thereof passing through perforations provided in the end portions of said plates for the reception thereof and being held in position therein by means of nuts 3 threaded thereon are similar connecting rods 4. Threaded upon the oppositely threaded adjacent end portions of alining of said rods 4 are connecting turn buckles 5. Having its respective extremities resting between the members 1 and 2 of said pairs thereof, the same being clamped therebetween by means of the nuts 3, is the spring proper or wire fabric 6 of the bed spring, said member 6 being of any ordinary or preferred construction. In order to insure a positive gripping or securing of the engaged end portions of the spring 6, we preferably provide the contacting surface of each of the members 1 with a longitudinally extending ridge or bead 7 and the contacting surface of each of the members 2 with a co-acting groove 8, it being evident that with such construction said end portions of the member 6 will be kinked between the plates 1 and 2, as clearly shown in Fig. 3, such provision obviously effecting the above stated purpose.

It will be observed that the ends of the wire fabric are extended practically the entire width of plates 1 and 2 so that their threaded ends penetrate said fabric. This forms a positive anchor for the fabric at these points which in conjunction with the tongue and bead insures a secure and uniform grip on the fabric.

By the provision of a bed spring of the construction described, it is evident that by simply rotating the turn buckles 5 the tensional condition of the spring proper or fabric 6 may be readily adjusted.

While we have shown what we deem to be the preferable form of our invention we do not wish to be limited thereto, as there might be many changes made in the details of construction and arrangement of parts without departing from the spirit of our invention comprehended within the scope of the appended claims.

Having described our invention what we claim as new and desire to secure by Letters Patent is:

1. In a device of the class described, the combination of two pairs of coacting clamping plates, one member of each pair being provided with a bead coacting with a groove in the other; a pair of connecting rods extending between said pairs of plates, said rods having threaded ends extending through said plates, and provided with clamping means adapted to clamp said plates together; a wire fabric secured between said plates with the ends of said rods penetrating said fabric; and turn buckles interposed in said rods in threaded connection therewith, substantially as described.

2. In a device of the class described, the combination of two pairs of coacting clamping plates, one member of each pair being provided with a bead coacting with a groove in the other; a pair of connecting rods extending between said pairs of plates, said rods having threaded ends extending

through said plates, with clamping nuts on each side of said plates; a wire fabric secured between said plates with the ends of said rods penetrating said fabric; and turn buckles interposed in said rods in threaded connection therewith, substantially as described.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

JUSTIN SIRR.
JOHN W. KLEINE.

Witnesses:
JOSHUA R. H. POTTS,
JANET E. HOGAN.