G. GRAY.

BED SPRING.

APPLICATION FILED DEC. 13, 1913.

1,093,402. Patented Apr. 14, 1914.

Fig. 1.

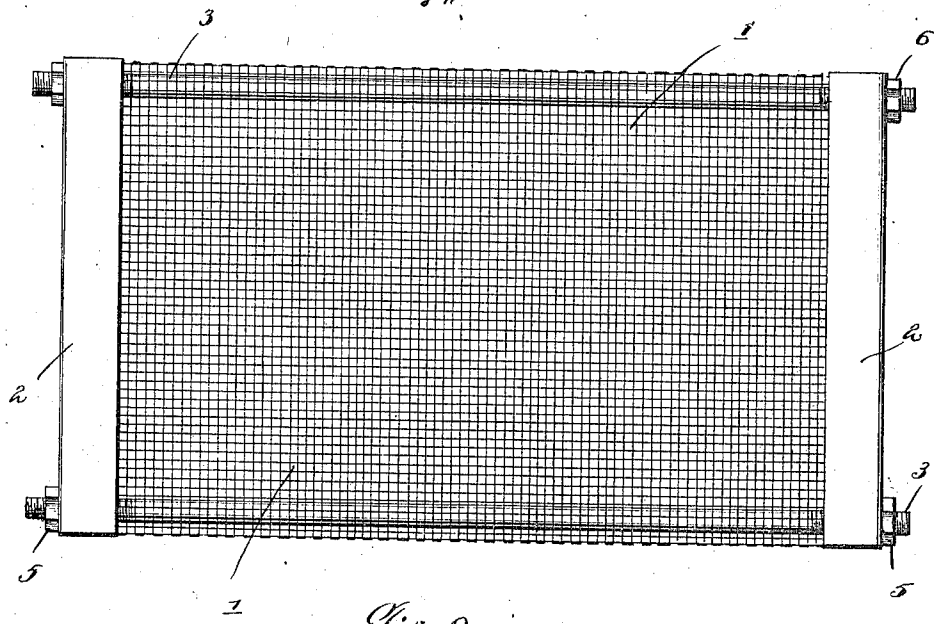


Fig. 2.

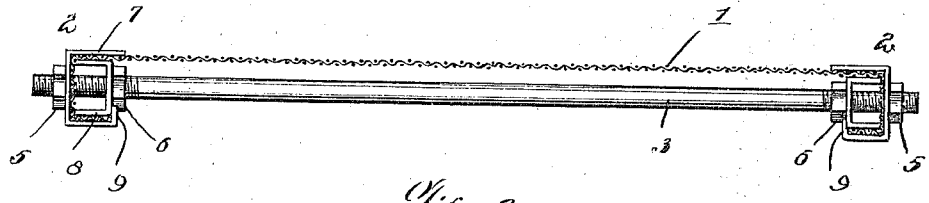
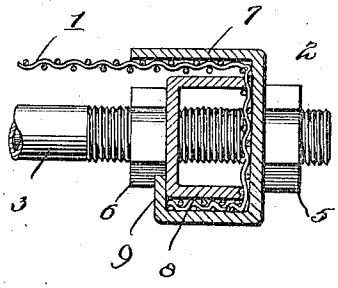


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE GRAY, OF SISSETON, SOUTH DAKOTA.

BED-SPRING.

1,093,402. Specification of Letters Patent. Patented Apr. 14, 1914.

Application filed December 13, 1913. Serial No. 806,562.

To all whom it may concern:

Be it known that I, GEORGE GRAY, a citizen of the United States, residing at Sisseton, in the county of Roberts and State of South Dakota, have invented new and useful Improvements in Bed-Springs, of which the following is a specification.

This invention relates to bed springs and a particular object of the invention is to provide simple and efficient means for clamping the opposite ends of the springs and for adjusting the clamping members whereby the tension of the springs may be increased or decreased to suit various conditions.

Further objects of the invention will appear as the following description is read in connection with the accompanying drawing, which forms a part of this application, and in which:—

Figure 1 is a top plan view. Fig. 2 is a side elevation. Fig. 3 is a detail longitudinal sectional view.

Referring more particularly to the drawing, 1 represents the ordinary woven spring fabric connected at opposite ends to the clamping devices 2 which are adjusted toward and away from each other and held in proper separated relation by the side bars 3 threaded upon both ends, as shown at 4, to receive the adjusting and locking nuts 5 and 6.

Each clamping device comprises two separate U-shaped members 7 and 8, the latter having its legs somewhat shorter than the former and being of a cross sectional diameter to fit within the member 7, as shown in Figs. 2 and 3. In securing the clamping members upon the fabric the fabric is first inserted into the member 7 to the position shown and the member 8 is then pressed into the member 7 tightly so as to clamp the fabric against the rear wall of the member 7. The terminal of the lower leg of the member 7 is then bent upwardly in the form of a flange 9 which retains the member 8 in its clamping position and prevents disconnection of the fabric. As the side bars extend through both of the clamping members 7 and 8 and as the nuts 5 and 6 are arranged upon opposite sides of said members it will be readily seen that these side members with their adjusting and clamping nuts assist in holding the members 7 and 8 in proper relation and prevent the disconnection of the fabric therefrom. By forming a spring in this manner the two clamping ends and the fabric may be rolled up and tied to the side bars so as to be shipped as common freight, thereby eliminating the expense usually attached to the shipment of bed springs in their made-up form.

What is claimed is:—

A bed spring comprising a spring fabric, interengaged U-shaped members clamped upon the fabric at opposite ends of the spring, a flange formed on one of the U-shaped members for holding the other U-shaped member in position, side bars passed through said U-shaped members and adjusting and clamping nuts threaded upon the side bars and arranged upon opposite sides of the U-shaped members for assisting in holding them in position.

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

GEORGE GRAY.

Witnesses:

E. J. TURNER,

FRANK R. MCKENNA.