

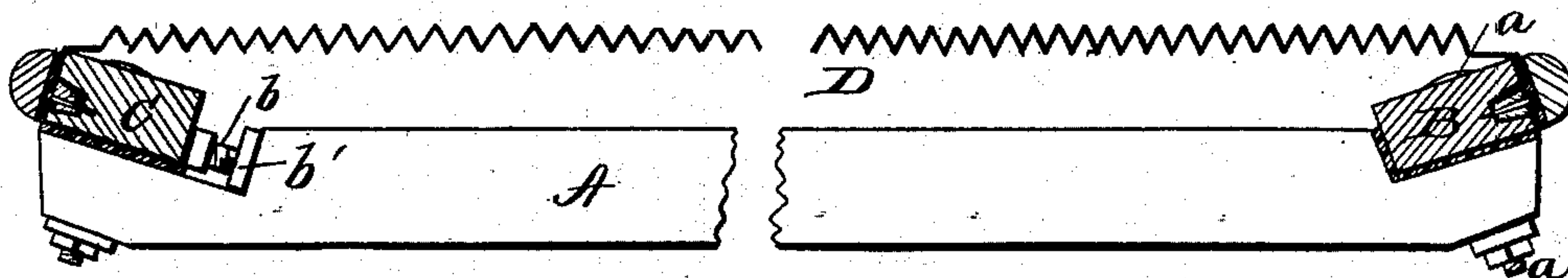
(No Model.)

T. T. PROSSER.  
WOVEN WIRE MATTRESS.

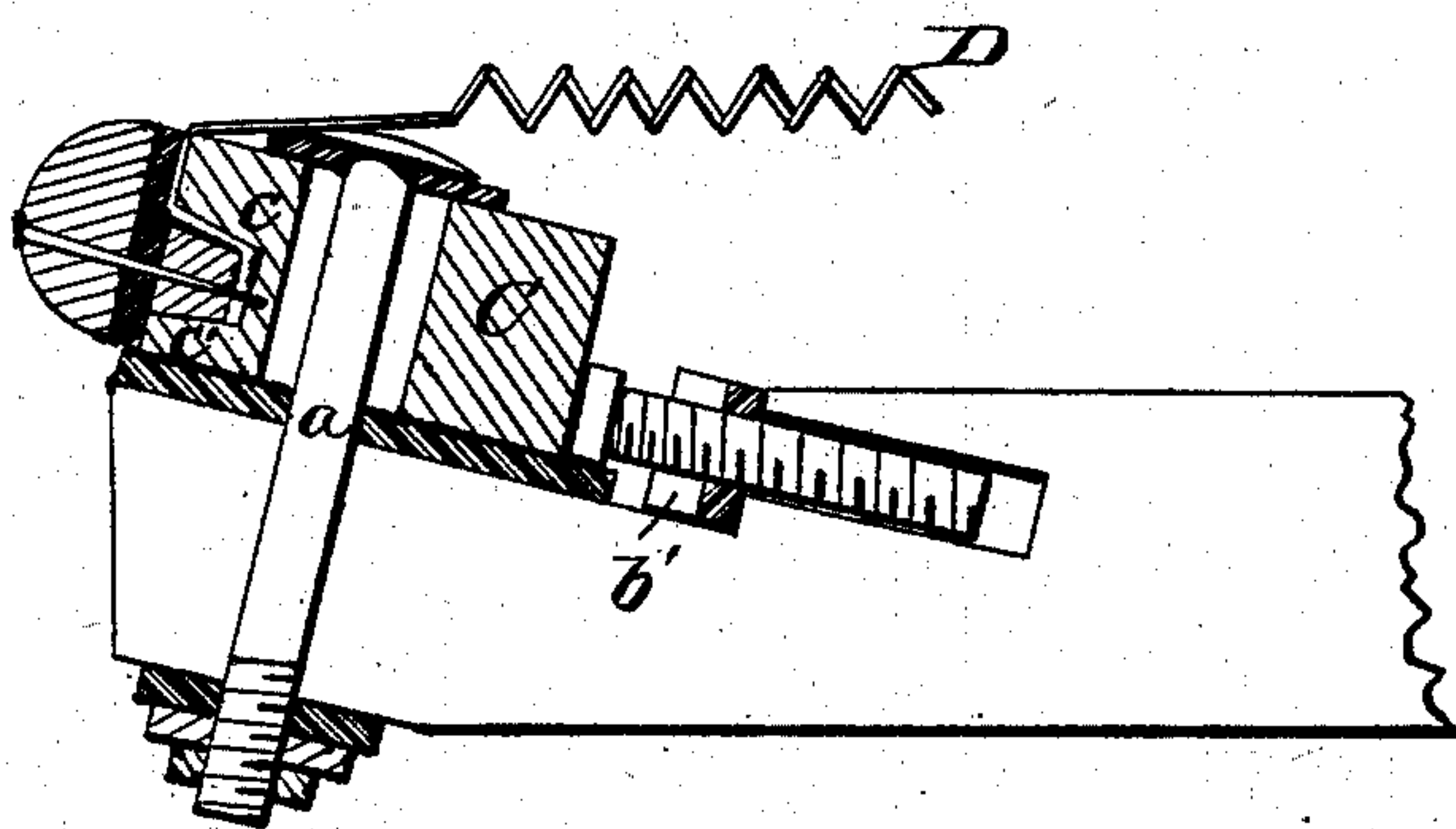
No. 249,545.

Patented Nov. 15, 1881.

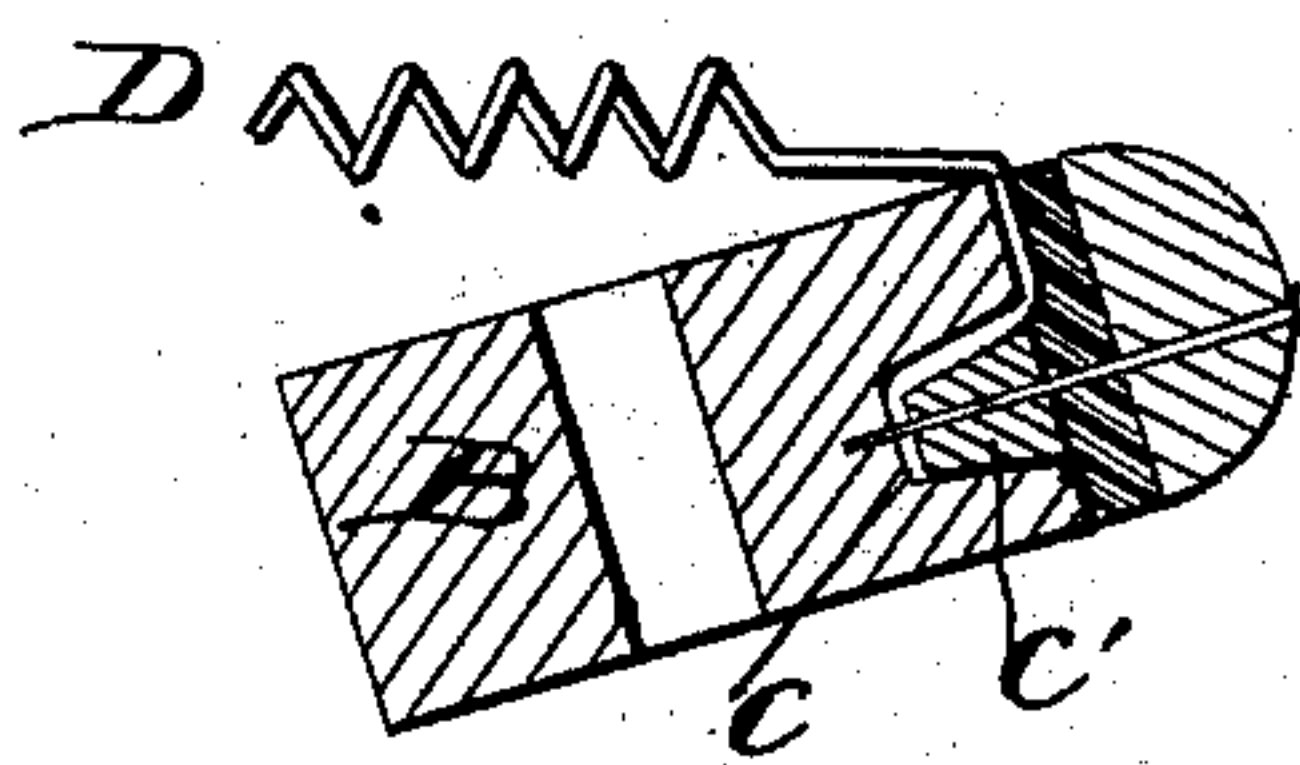
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses.  
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# UNITED STATES PATENT OFFICE.

TREAT T. PROSSER, OF CHICAGO, ILLINOIS.

## WOVEN-WIRE MATTRESS.

SPECIFICATION forming part of Letters Patent No. 249,545, dated November 15, 1881.

Application filed April 19, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, TREAT T. PROSSER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Woven-Wire Mattresses; 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention is designed to improve the manner of attaching the strands of the woven-wire mattress to the head and foot pieces of the frame, also to afford a convenient means for stretching the woven-wire fabric when necessary.

To these ends the invention consists of certain novel features of construction and combination of parts specifically pointed out in the claims at the close of this specification.

Figure 1 is a longitudinal section of my improved woven-wire mattress. Figs. 2 and 3 are detailed views, more particularly referred to hereinafter.

The same letters of reference are used in all the figures to indicate identical parts.

The side bars, A A, and the end bars, B and C, constitute the principal members of the frame for supporting the woven-wire fabric D. The end bars rest in scarfs cut in the upper edges and at the ends of the side bars, so as to give to the end bars an inclination for the purpose of raising the woven-wire fabric some distance above the upper edges of the side bars. The end bars are secured to the side bars by bolts *a*, and at least one of the end bars is so attached that it may be adjusted for the purpose of stretching or relaxing the woven-wire fabric. To this end screw-bolts *b* are introduced between the inner edge of the end bar C and the inclined end of the scarfs of the side bars. Each bolt *b* is provided with a nut, *b'*, which abuts against the inclined end of the scarf, while the stem of the bolt projects into a suitable hole bored into the side bar. It will be observed that by turning the bolts *b* in their

nuts they may be screwed in and out for the purpose of adjusting the end bar C, which is provided with elongated holes where the bolts *a* pass through it in order to admit of the adjustment referred to. The nuts *b* are made square and rest upon the bottom of the scarfs, so that they cannot turn with the bolts when screwed in and out. This forms a very simple and convenient means for adjusting the end bar C. The ends of the strands of the woven-wire fabric are stretched over the end bars, B and C, and forced into key-seats *c* in the outer edges of the end bars, where they are firmly secured by means of wooden keys *c'*, driven into the key-seats after the wires have been forced into them. After the strands or wires have been thus secured to the end bars a strip of paper-board saturated with bed-bug poison is placed over the strands and the key upon the outer edge of the end bar, and then a wooden batten is placed upon this saturated paper and nailed to the edge of the end bar. The keys *c'* may be separately nailed to the end bars, if it be necessary. Instead of paper-board, several thicknesses of ordinary paper may be used. The strands or wires will become embedded in the paper, which will thus close up the cracks. The poisoned paper, prepared as described, will prevent the inroads of vermin. Paper thus prepared is also placed in the joints between the end bars and side bars, with a view of protecting all the joints that might otherwise afford a hiding-place for vermin by such poisoned paper linings. Washers of poisoned paper are also placed under the nuts *b'*, and may be put likewise under the heads and nuts of the bolts for screwing the side bars and end bars of the frame together.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination of the side bars provided with scarfs inclined upwardly toward the ends of said bars, so as to form immovable seats for the end bars, with end bars seated in said scarfs and independently adjustable in their inclined seats, substantially as described.

2. The combination of the side bars provided with scarfs inclined upwardly toward the ends of said bars, end bars seated and sliding in said



inclined scarfs, means for forcing the end bars into different adjusted positions, and a screw-bolt for holding them in their several adjustments, substantially as described.

5 3. In a mattress-frame, the combination of side bars with end bars adjustable simultaneously outward and upward by screws or their equivalents, substantially as described.

10 4. In a mattress-frame, the combination of the adjustable end bars, a grooved key-seat, a key fitting in said groove, and a finishing strip

or batten covering the key, the groove, and the edges of the end bars at the sides of the groove, so as to protect the parts and give an even ornamental finish, substantially as described. 15

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

TREAT T. PROSSER.

Witnesses :

WM. HANSBROUGH,  
A. S. BROADWAY.