

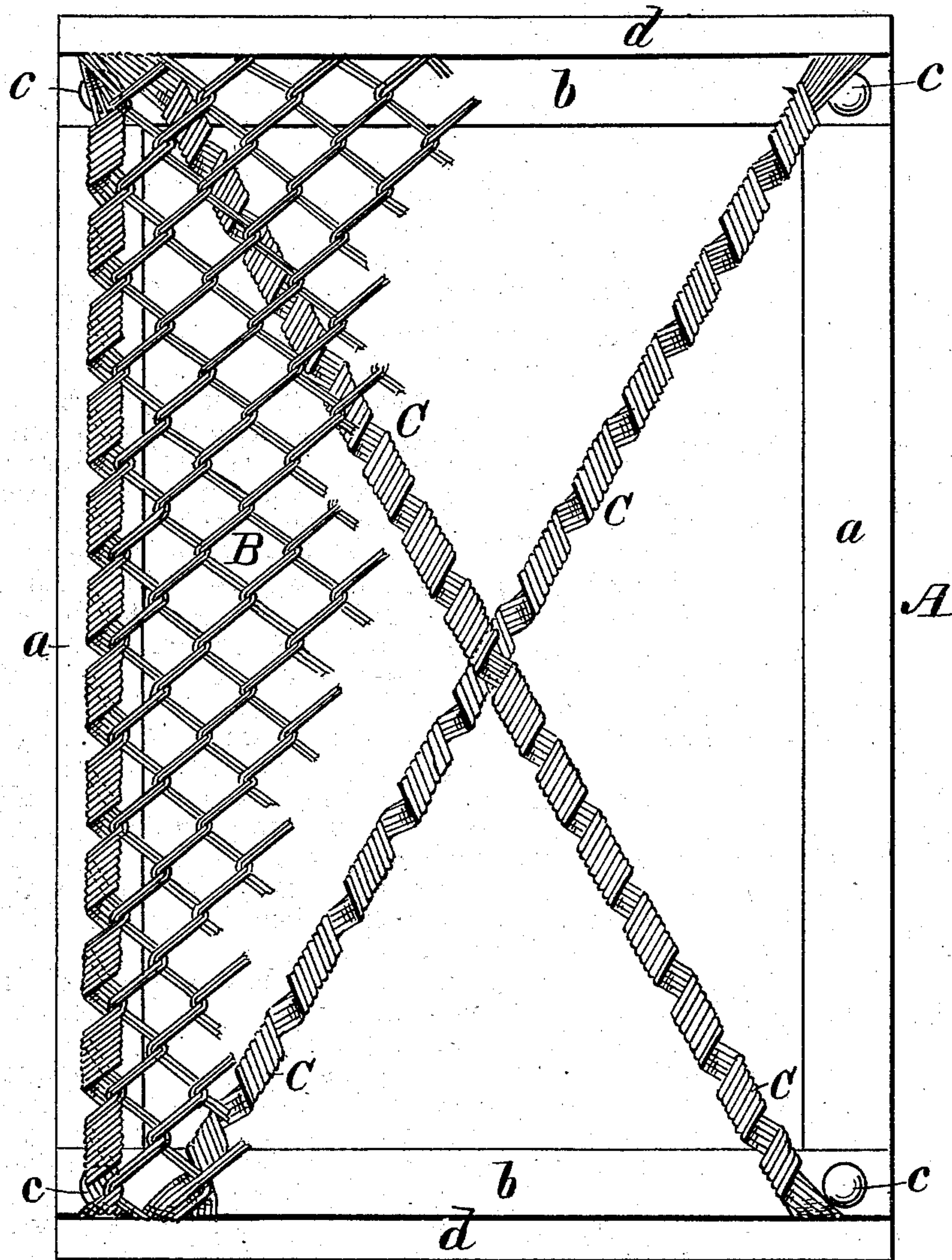
(No Model.)

E. T. WOLCOTT.

WIRE MATTRESS.

No. 267,631.

Patented Nov. 14, 1882.



WITNESSES:

J. D. Garfield
C. Sedgwick

INVENTOR:

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BY

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ATTORNEYS.

UNITED STATES PATENT OFFICE.

EDWARD T. WOLCOTT, OF KENOSHA, WISCONSIN, ASSIGNOR TO HIMSELF
AND ZALMAN G. SIMMONS, OF SAME PLACE.

WIRE MATTRESS.

SPECIFICATION forming part of Letters Patent No. 267,631, dated November 14, 1882.

Application filed September 9, 1882. (No model.)

To all whom it may concern:

Be it known that I, EDWARD T. WOLCOTT, of Kenosha, in the county of Kenosha and State of Wisconsin, have invented a new and Improved Wire Mattress, of which the following is a full, clear, and exact description.

It is well known that wire mattresses after being used for some time become sagged in the center, making the bed unpleasant and uncomfortable to lie upon.

The object of my invention is to provide a mattress that will not sag, but retain its even surface and elasticity.

My invention consists in elastic supporting-springs stretched diagonally across the mattress-frame from corner to corner immediately under the mattress, so as to provide an extra amount of strength at the center of the mattress at the point where the greatest weight rests.

Reference is to be had to the accompanying drawing, forming part of this specification, in which the figure is a plan view of my improved mattress, a part being broken away to show the supporting-springs.

A is the frame of the mattress, consisting of the side bars, *a a*, and the end bars, *b b*, the end bars being secured on the top of the ends of the side bars, *a a*, by the bolts *c*, the space between the side bars *a* and the mattress providing for the depression of the mattress when weight is placed upon it.

B is the mattress, made of spring-wire and of any of the usual well-known forms. The mattress is suspended from the end bars *b b*, to which it is secured by means of cleats *d d*,

the ends of the wires being bent down and placed between the cleats and the end bars, where they are firmly held by the cleats, which are securely nailed or screwed to the end bars.

Between the diagonal corners of the frame A are stretched elastic springs C C. These springs may be made of any suitable elastic material, but are preferably made of spring-steel wire. The springs C C, as shown, are composed of a series of spirally-coiled wires, placed side by side, to form one continuous spring. The ends of the springs C C are clamped and firmly held between the end bars, *b b*, and the cleats *d d* at diagonally-opposite corners of the frame A, and by their elasticity serve to support the mattress B in the center of its length and width, where the greatest weight of the body of a person rests when lying on the bed.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. As a new article of manufacture, a bed consisting of a rectangular frame having supporting-springs stretched from corner to corner, and covered with a wire mattress, substantially as shown and specified.

2. The combination, with a spring-mattress suspended from end bars *b*, of frame A, of the diagonal-crossing springs C C, formed of spirally-coiled wires, as shown and described.

EDWARD T. WOLCOTT.

Witnesses:

J. A. KILLEEN,
F. L. BILLINGS.