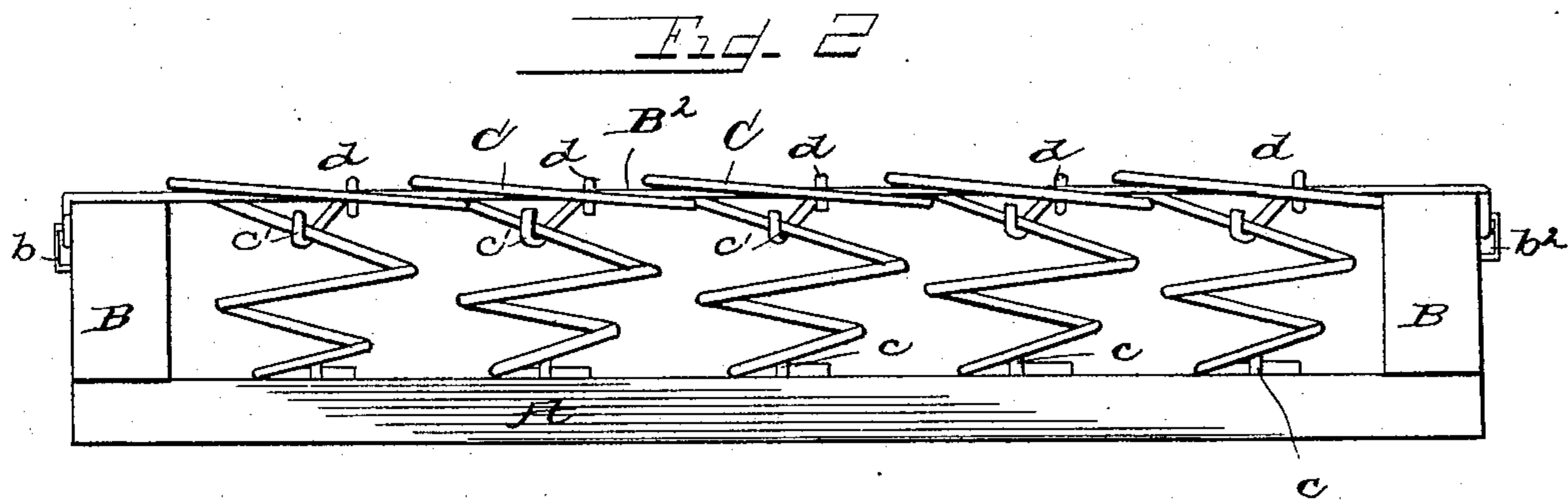
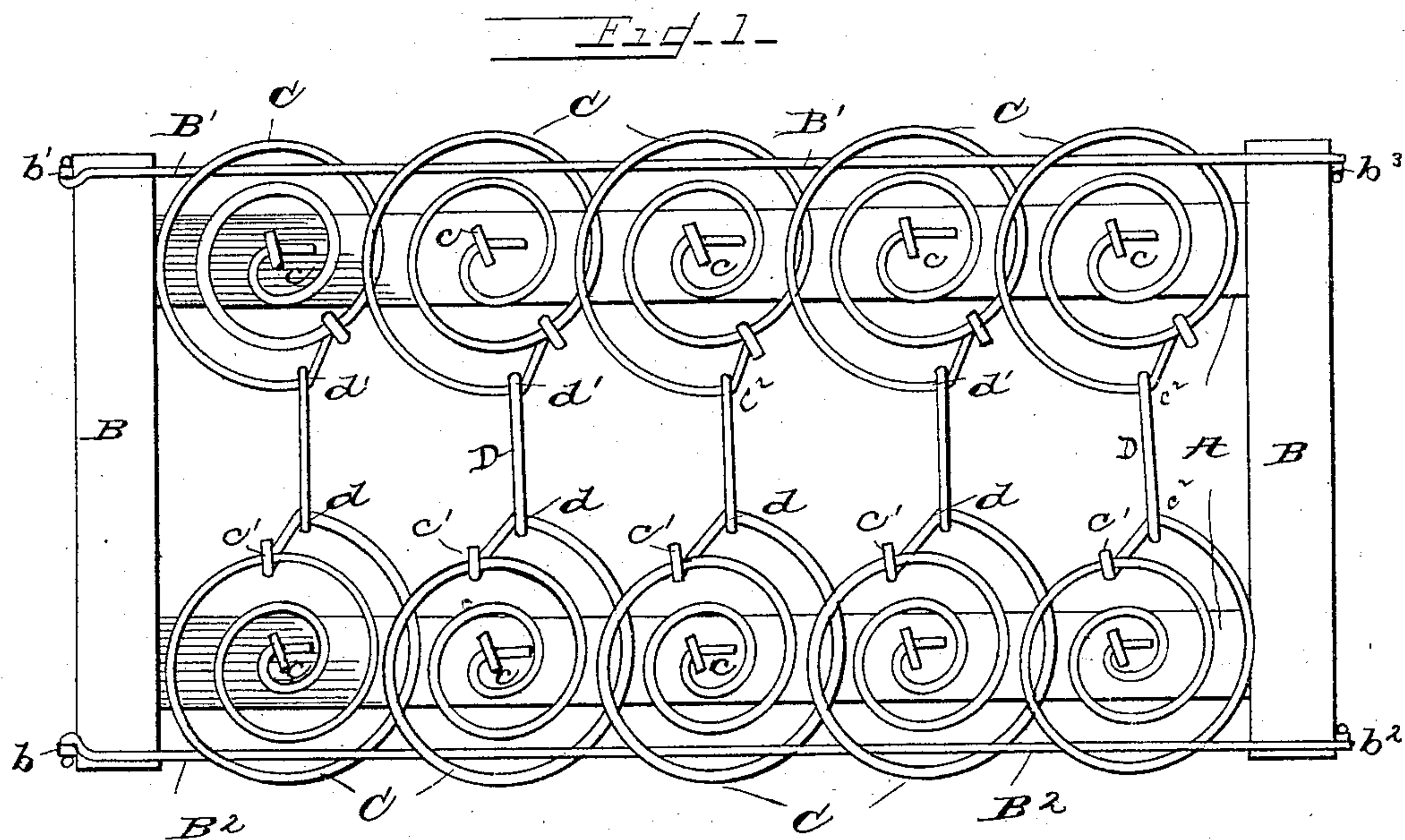


(No Model.)

E. GOOLEY.  
SPRING BOLSTER.

No. 486,462.

Patented Nov. 22, 1892.



Witnesses

G. A. Fautschmidt,  
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# UNITED STATES PATENT OFFICE.

ELLA GOOLEY, OF NEW HOLLAND, OHIO.

## SPRING-BOLSTER.

SPECIFICATION forming part of Letters Patent No. 486,462, dated November 22, 1892.

Application filed January 9, 1891. Serial No. 377,253. (No model.)

*To all whom it may concern:*

Be it known that I, ELLA GOOLEY, a citizen of the United States, residing at New Holland, in the county of Pickaway and State of Ohio, have invented certain new and useful Improvements in Spring-Bolsters; 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.

My invention relates to spring-bolsters; and it consists in a certain novel combination of parts, which will produce a simple, durable, and cheap article.

In the drawings, Figure 1 is a top plan view of my invention. Fig. 2 is a side elevation of the same.

My bolster consists of a rectangular frame of hard wood, with two rows of springs fastened at the bottom on wooden strips with suitable fastenings, said springs having an angle formed in the upper coil, in which lays a link extending from the springs of one row to the springs of the other row. On the outer edges of these springs is a wire, which extends from end to end of the frame, intermingling with the springs. The upper coil of each spring overlaps the next adjacent spring in the row.

A A represent the two bottom slats, upon which are secured at their ends two end pieces B B. These pieces A and B are preferably of wood, and may be secured together by means of nails, bolts, or in any other desirable manner. On the slats A A at a suitable distance apart are secured a series of coiled springs C, the lower ends of which are suitably secured at  $c$ , while the free end of the upper coil of each spring is bent substantially at right angles to itself at  $c^2$  toward the middle of the spring proper and the free end secured at  $c'$ , thus forming an angle at  $c^2$ . In order that the two series of springs might co-operate with and support each other, I connect them on the inside by means of loops or links D, secured to the springs at  $d d'$  in the angle  $c^2$ , said angle serving to securely hold the link D in the proper position. I now attach at one end of the bolster to one of the end pieces

B and at each end of the same staples  $b$  and  $b'$ , to which are secured wires  $B'$  and  $B^2$ , respectively. These wires are passed under one side of the top coil of the springs C C and over the other side of the same coil, and so on until all of the springs on the respective sides are thus connected. The ends of wires  $B'$  and  $B$  are then secured in staples  $b^2$  and  $b^3$ .

It will readily be seen that the springs of the two series coact to a certain degree through the loops or links D and also that the springs of one series coact by means of the wire  $B'$ , connecting them at their tops, and from the fact that the top coil of each spring overlaps the top coil of the next adjacent spring it will readily be seen that a weight upon any one of the springs is to a certain degree supported by all of the springs in the bolster and that the links D are always held in the proper position by means of the angle  $c^2$ . Thus it will be seen that I provide a simple, durable, and novel spring-bolster and one that can be manufactured at a nominal cost.

It is obvious that I may dispense with end pieces B and connect the slats A A in any other suitable manner.

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

In a spring-bolster, the combination, with the frame composed of the slats, of the coiled springs secured to said slats, the top coil of which overlaps the next adjacent spring and is bent at right angles to form the angle  $c^2$ , the links secured in said angles and connecting the springs on the inside, and the wires  $B'$  and  $B^2$ , connected to the frame and passing under one side of the top coil of a spring and above the other side of the same throughout the series, all combined and operating substantially as described.

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

ELLA GOOLEY.

Witnesses:

JAMES McLAIN,  
D. E. CLARKE.