

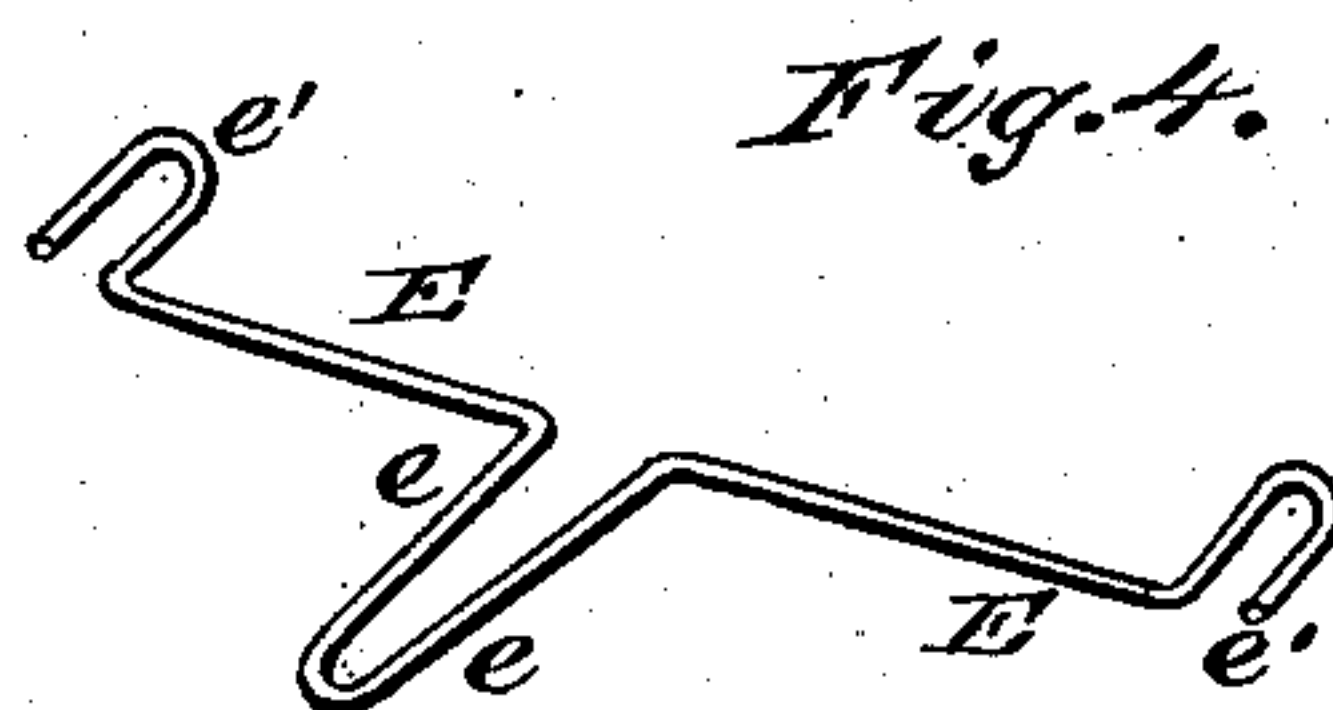
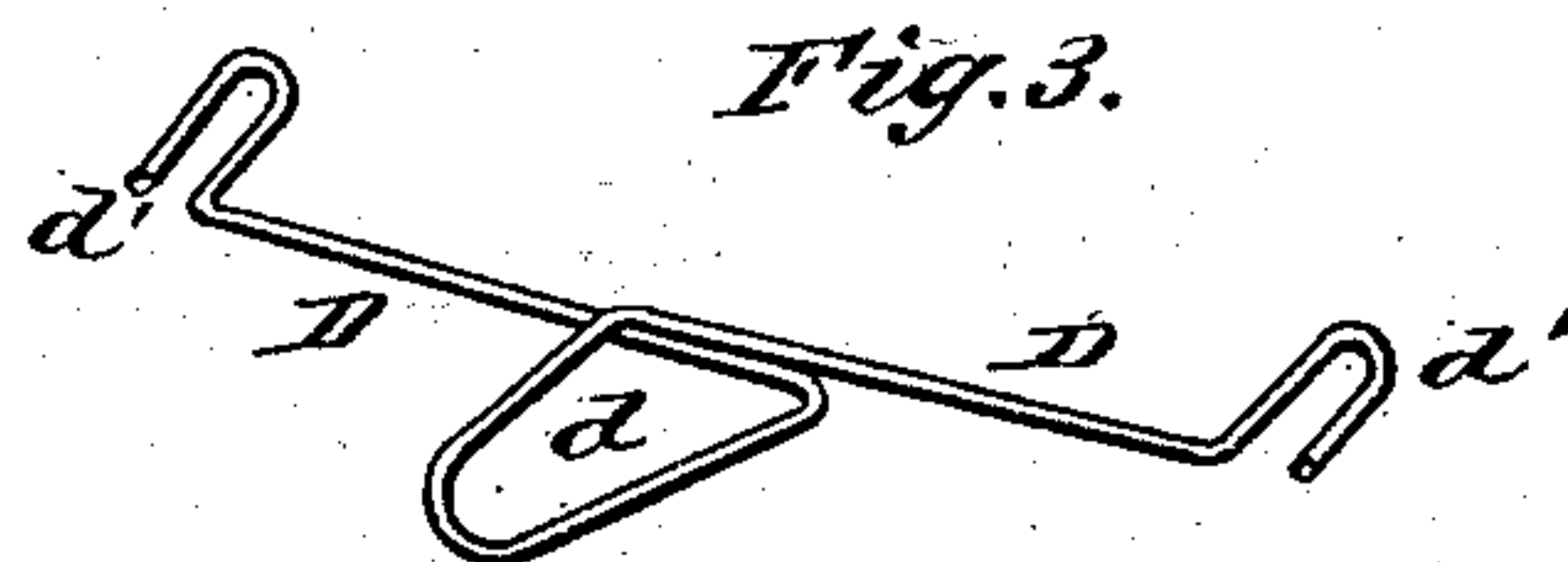
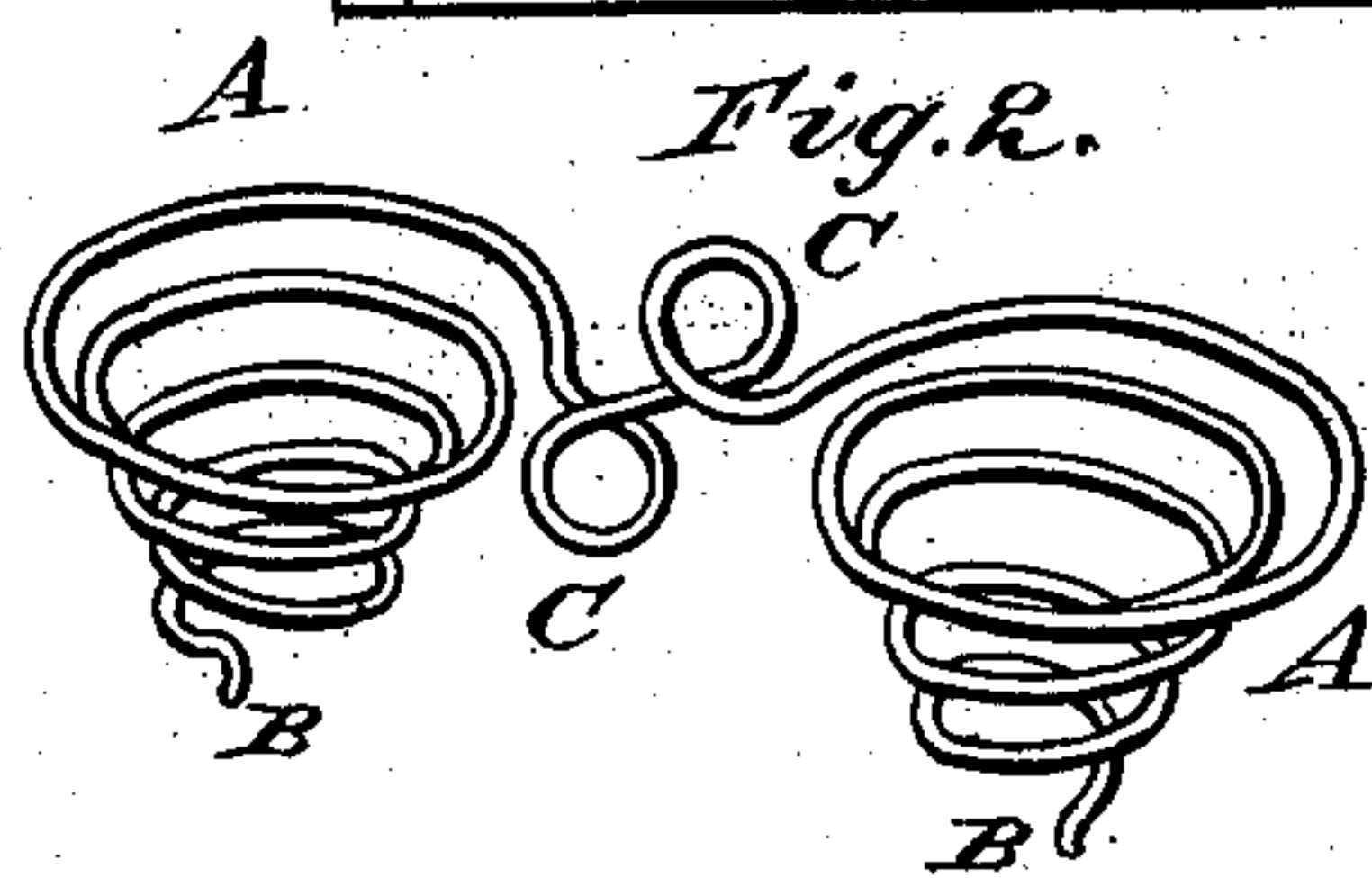
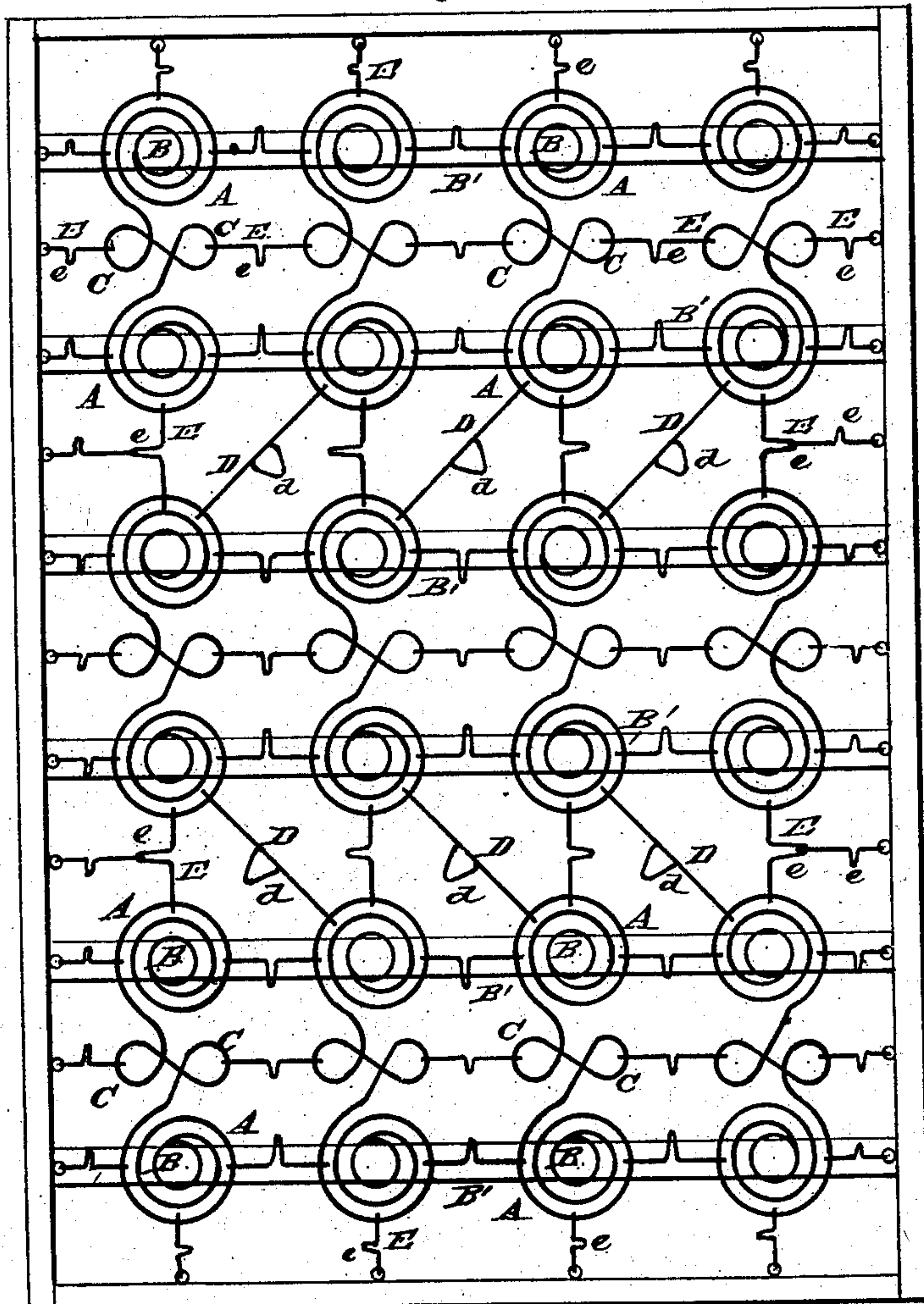
(No Model.)

E. BUNCH.
SPRING BED BOTTOM.

No. 248,017.

Patented Oct. 11, 1881.

Fig. 1.



WITNESSES

Med. L. Dietrich
F. C. Dietrich

INVENTOR

Elijah Bunch
by *De Witt C. Allen* Attorney

UNITED STATES PATENT OFFICE.

ELIJAH BUNCH, OF RICHMOND, INDIANA.

SPRING BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 248,017, dated October 11, 1881.

Application filed August 17, 1881. (No model.)

To all whom it may concern:

Be it known that I, ELIJAH BUNCH, a citizen of the United States, residing at Richmond, in the county of Wayne and State of Indiana, have invented certain new and useful Improvements in Coil Bed-Springs and Connections; 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 the letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to certain new and useful improvements in coil-springs and their connections, especially designed for use in connection with the ordinary slats of bedsteads to form a spring bed-bottom; and the invention consists in novel features of construction and combination and arrangement of parts, all as will be hereinafter fully described, and specifically designated in the claim.

Referring to the accompanying drawings, Figure 1 represents a top view or plan of a spring bed-bottom formed by my improved double-coiled springs and their connections; Figs. 2, 3, and 4, detached views of the spring and connections.

In the drawings, A represents my improved double-coiled springs connected at their lower ends, B, to the slats B', in any of the usual methods employed for that purpose. These double-coiled springs are formed from a single piece of the best steel wire, and the upper part of said wire, forming the connection to produce the double spring, is twisted to form the loops C C, all as clearly shown in Figs. 1 and 2, and the springs proper, connected at their upper ends by the hooked spring-connections D and E, having a loop, d, or a bend, e, near

the center thereof, for giving the connections the requisite elasticity. Each one of the double springs is connected to the springs immediately in front and rear and on each side thereof by the connections D and E, and also the loops C C, all as clearly shown in Fig. 1. The double springs, with the loops C C, are very elastic, and when connected together by the connections D and E form a most durable, strong, and easily constructed spring bed-bottom, and which can be readily formed and applied to the slats of the ordinary bedsteads.

In order to overcome the inward strain produced by the springs being connected together as shown, the outer row of springs, both longitudinally and transversely, should be connected to the side and end rails by the same elastic connections D and E. The connections D and E are provided with hooked ends d' and e', by which (after the springs are properly arranged and secured on the slats) they can be easily and quickly connected to the springs and side and end rails, as shown, the rails having secured thereto eyebolts for the reception of the hooked ends of the connections.

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

The herein-described spring bed-bottom, composed of the double springs A, having intermediate loops, C C, and the elastic connections D and E, connecting the several springs together and to the side and end rails of the bed, and also the loops C C of the several springs together, substantially as specified.

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

ELIJAH BUNCH.

Witnesses:

FELIX V. ANDERSON,
FRANK REED.