

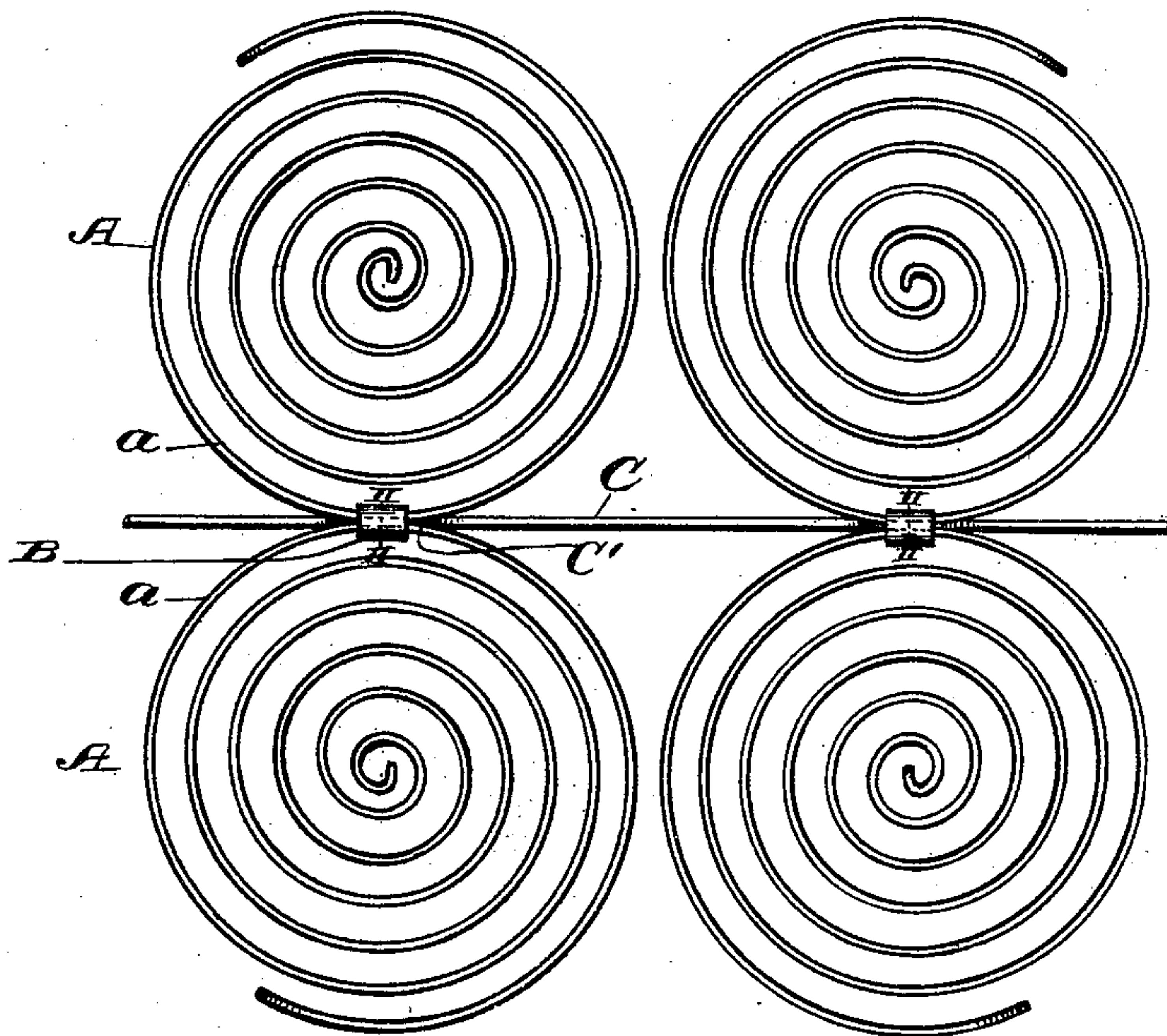
(No Model.)

C. R. BARKER.
SPRING BED BOTTOM.

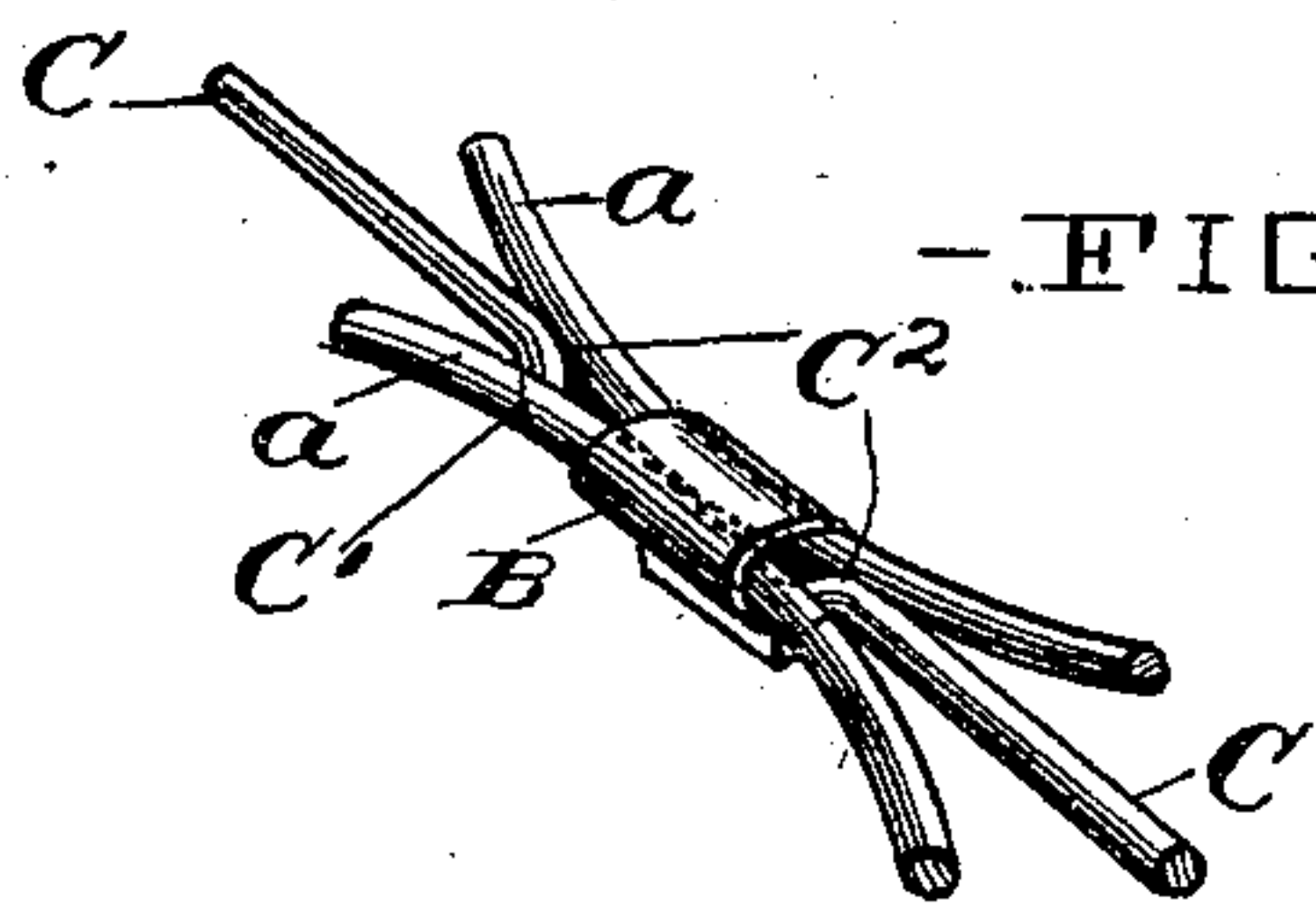
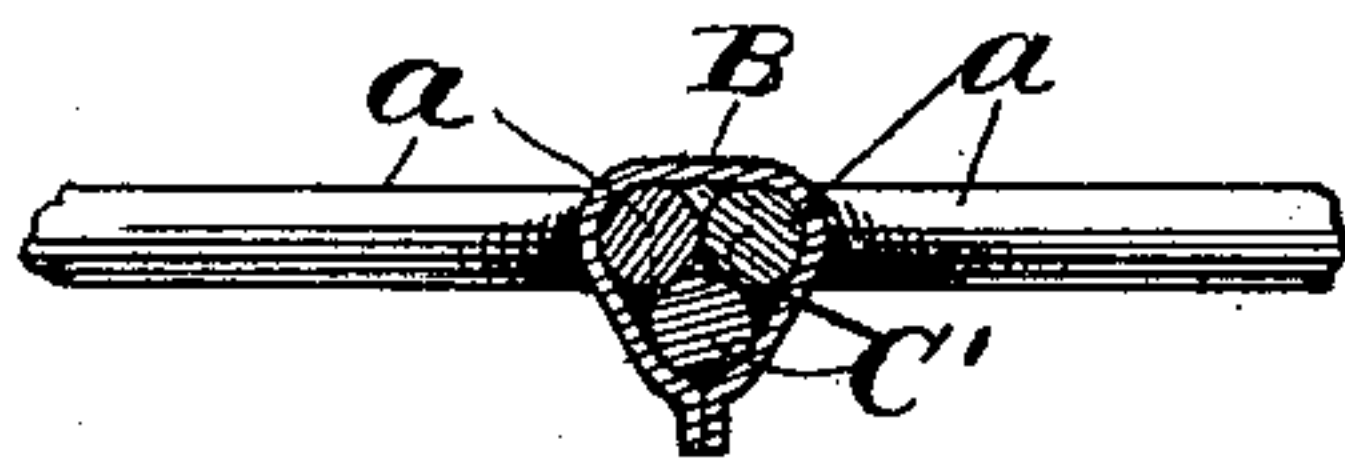
No. 581,097.

Patented Apr. 20, 1897.

-FIG. I-



-FIG. II-



-FIG. III-

WITNESSES:

Ella E. Tilden
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INVENTOR

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BY

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his ATTORNEYS

UNITED STATES PATENT OFFICE.

CHARLES R. BARKER, OF CLEVELAND, OHIO, ASSIGNOR OF ONE-HALF TO
FRANCIS KARR, OF HOLLAND, MICHIGAN.

SPRING BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 581,097, dated April 20, 1897.

Application filed February 9, 1897. Serial No. 622,626. (No model.)

To all whom it may concern:

Be it known that I, CHARLES R. BARKER, of Cleveland, Cuyahoga county, Ohio, have invented certain new and useful Improvements in Spring Bed-Bottoms; 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 pertains to make and use the same.

My invention relates to improvements in spring bed-bottoms; and it consists, essentially, in the peculiar construction and combination of elements employed for clamping together coils of directly oppositely located springs of adjacent rows of springs of the spring bed-bottom and by means of the same clamping device employed in clamping together said coils connecting said springs to a tie-wire that extends between the two rows of springs and clamping said tie-wire between two converging members of the clamping device.

In the accompanying drawings, Figure I is a top plan of a portion of a spring bed-bottom embodying my invention. Fig. II is a section on either one of lines II II, Fig. I. Fig. III is a view in perspective of the clamping device and adjacent portions of the spring-coils and tie-wire held together by said device.

Referring to the drawings, A A designate two spiral springs that are oppositely-located members of two adjacent rows of springs of a spring bed-bottom. The two diametrically-larger coils *a a* of said springs are attached by a clamping device B to the tie-wire C, that extends between the rows of springs. Said clamping device consists, preferably, of a sheet-metal strip bent into a triangular shape. The central member extends over the engaging coils of the springs, and the upper portions of the sides of the clamping device clamp said coils together. The tie-wire between the

clamped portions of said coils is provided with a short lateral crook or bend C', extending through the space between and clamped by the lower portions of the sides of the clamping device and preferably engaging and clamped against the said coils, as shown in Fig. II. Said crook or bend extends beyond the ends of the clamping device and at each end extends and is clamped between the diverging portions of the aforesaid coils *a a*, as at C². By this construction the said coils *a a* of the springs and the said tie-wire are rendered positively stationary, and the construction is exceedingly simple, and consequently inexpensive.

What I claim is—

1. In a spring bed-bottom, the combination with the coils *a a* of the springs A A, the tie-wire C provided with the crook or bend C', and the sheet-metal clamp B extending around said bend and the adjacent portions of the aforesaid coils, and having converging sides arranged to clamp, between them, the said bend and the said portions of the coils, substantially as shown and described.

2. In a spring bed-bottom, the combination with the coils *a a* of the springs A A, the tie-wire C provided with the crook or bend C', the sheet-metal clamp B clamping together said bend and the adjacent portions of the aforesaid coils, and the said bend extending and clamped between the diverging portions of said coils, as at C², substantially as shown and described.

In testimony whereof I sign this specification, in the presence of two witnesses, this 5th day of February, 1897.

CHARLES R. BARKER.

Witnesses:

C. H. DORER,
ELLA E. TILDEN.