No. 842,938. PATENTED FEB. 5, 1907.

B. A. CHUBBUCK.

FURNITURE SPRING.

APPLICATION FILED MAY 9, 1906.

Fig. 1.

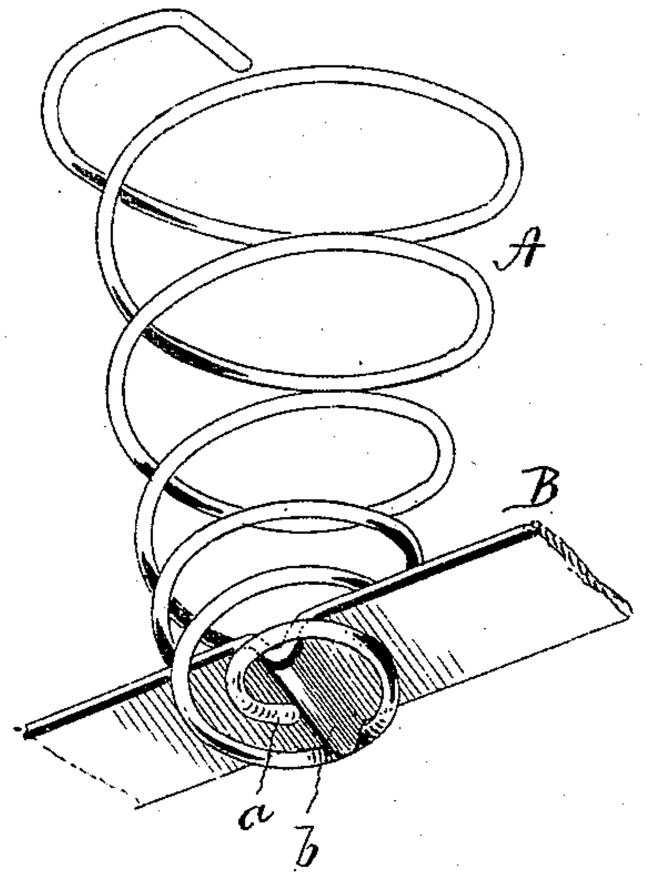


Fig. 2.

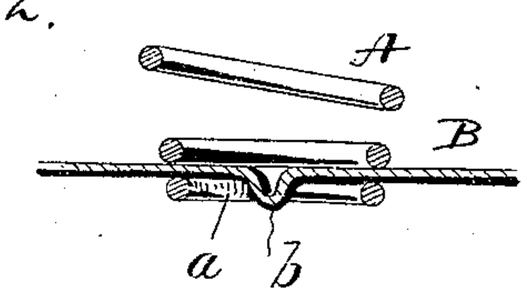


Fig. 3.

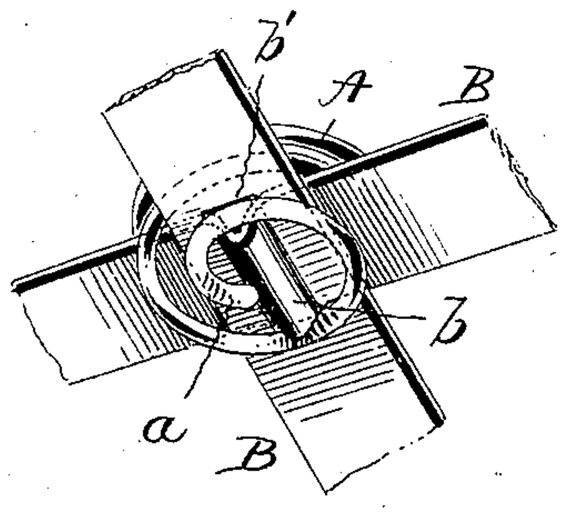
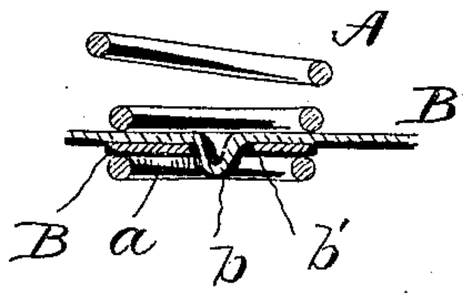


Fig. 4.



Witnesses:
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UNITED STATES PATENT OFFICE.

BURT A. CHUBBUCK, OF MEDINA, NEW YORK.

FURNITURE-SPRING.

No. 842,938. Specification of Letters Patent. Patented Feb. 5, 1907.

Application filed May 9, 1906. Serial No. 315,970.

To all whom it may concern:

Be it known that I, BURT A. CHUBBUCK, of Medina, in the county of Orleans, and in the State of New York, have invented a certain new and useful Improvement in Furniture-Springs; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of a furniture-spring and its supporting-band embodying my invention. Fig. 2 is a cross-section thereof. Fig. 3 is a detail view in perspective of the lower portion of a spring applied where two bands cross or intersect each other, and Fig. 4 a cross-section thereof.

My invention relates to means for securing furniture-springs to the supporting or attaching bands thereof which will possess the characteristics of simplicity and economy of construction, facility of application, and efficiency in preserving the position of the springs; and to these ends my invention consists in the construction substantially as hereinafter specified and claimed.

Referring to the drawings, A designates a furniture-spring of the ordinary spiral form, and B the customary sheet-metal strip or band by which the spring is mounted and supported in place, the lowermost coils in the spring being slipped upon the band. The band B is provided with a transverse rib or projection *b* on its under side, which may be conveniently formed by crimping the band, and when the spring is in proper position on the band such rib or projection lies in the last or lowermost coil of the spring, the free end of which, *a*, is bent or turned inward toward the center of the coil, so that it interlocks with or engages the side of said rib or projection, and when the parts are assembled, as described, the spring is positively held from turning in either direction except by the application of considerable pressure thereto, which does not occur in the use of the spring, so that the accidental displacement of the spring is impossible, although when desired it may be removed. In mounting the spring upon the band the spring is slipped sidewise over the band, several coils above the lowermost coil, and then revolved until the free end of the last coil springs over the rib or projection *b*, whereupon further revolution of the spring, except by considerable pressure thereon, will be prevented, so that by my invention the proper position of the spring on the band is automatically fixed and the spring will not be carried too far up or down. My construction is a very inexpensive one, since no special formation of the spring is necessary other than to turn inward the free end of the last coil.

Where, as is common, in the construction of chair-seats two bands cross or intersect each other, as illustrated in Figs. 3 and 4, one of the bands is provided with a depression or perforation *b'* to accommodate the rib or projection on the other band, an arrangement which not only in no wise interferes with the application of the spring, precisely as is the case where the spring is applied to a single band, but the two bands are firmly held in position by their interlocking engagement.

Having thus described my invention, what I claim is—

The combination of a band having a projection, and a spring having a coil that encircles the projection and engages the projection on the same side of the band on which it encircles it, and on which the projection is situated, the portion of the spring that engages the projection being an inturned part of said encircling coil whose tip lies in the same plane as and engages the projection, the spring being applied to the band by the band being slipped sidewise between the coils thereof away from the coil having the projection-engaging tip, and the spring revolved until the band and its projection are situated in the coil having the inturned projection-engaging part.

In testimony that I claim the foregoing I have hereunto set my hand.

BURT A. CHUBBUCK.

Witnesses:
JOHN CROWLEY,
E. J. REED.