

(No Model.)

R. KELSO.
FLEXIBLE CORD.

No. 527,795.

Patented Oct. 23, 1894.

FIG. 1.

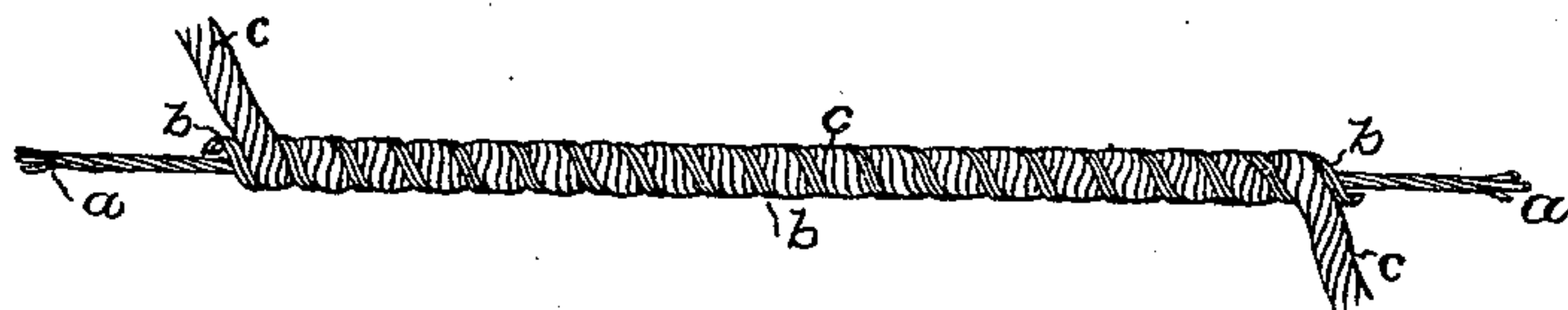


FIG. 2.

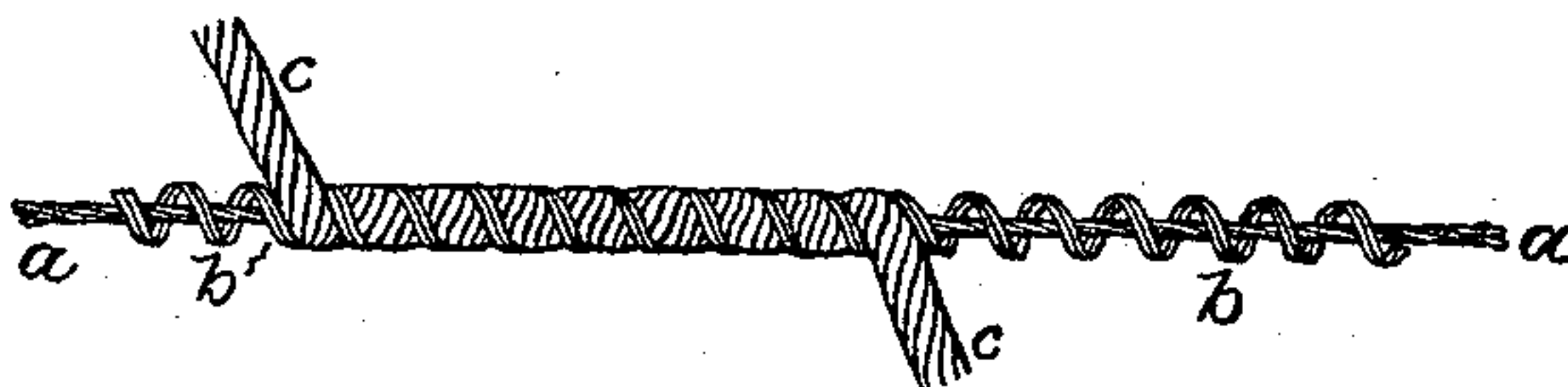
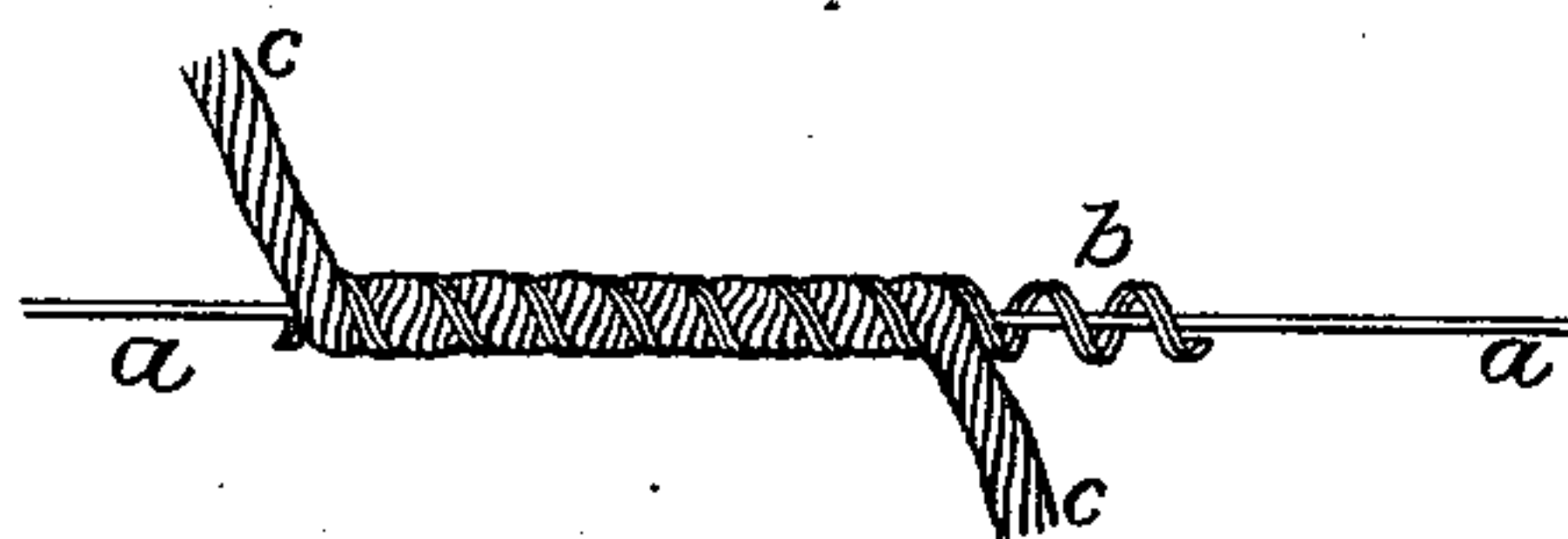


FIG. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

ROBERT KELSO, OF PHILADELPHIA, PENNSYLVANIA.

FLEXIBLE CORD.

SPECIFICATION forming part of Letters Patent No. 527,795, dated October 23, 1894.

Application filed May 13, 1893. Serial No. 474,143. (No model.)

To all whom it may concern:

Be it known that I, ROBERT KELSO, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain
5 Improvements in Flexible Cords, of which the following is a specification.

The object of my invention is to provide a cord or flexible bar that will readily bend and return to its original position.

10 My invention is especially applicable for use in the construction of flexible skirts, and for stays, bustles, cushions, &c.

In the accompanying drawings:—Figure 1, is a view of my improved cord. Fig. 2, is a
15 view showing the detail of construction of the cord. Fig. 3, is a view of a modification of the cord.

The cord has a core of resilient material *a* preferably composed of a series of fine wires,
20 twisted together. I have shown in the present instance a core composed of three wires, but it will be understood that a greater or less number may be used without departing from my invention, depending altogether
25 upon the stiffness required; or a single strand of wire or other flexible material, which will not readily break, may be used, as shown in Fig. 3. Surrounding this core is an outer
30 flexible covering *b* composed of one or more wires, coiled, open and somewhat larger in diameter than the core, so that the core and flexible coil thus loosely wound will each have free movement. I prefer to wind in the open
35 spaces of the outer covering a yielding material, *c*, preferably textile material, as shown in Fig. 1, so as to prevent the metallic parts rubbing together. This material also adds greatly to the appearance of the article.

By yielding material I mean fibrous or other material of elastic qualities capable of yield- 40
ing to pressure from the adjacent coils of wire when the cord is bent.

I find that a cord constructed in the manner above described can be bent and it will
45 spring back to its original position, and furthermore, it will bend very easily but will retain its position sufficiently to hold a skirt to its shape.

My invention can be used in the construction of flexible skirts or for stays for dresses 50
and can be used in the construction of bustles, cushions, &c.

I claim as my invention—

1. A flexible cord having a central core of resilient material and an open tubular covering 55
of internal diameter larger than the diameter of the central core made of wire loosely coiled around the core and having yielding material between the coils of wire, substantially as described. 60

2. A flexible cord having a central core made up of a series of wires twisted together and an outer covering of wire, coiled loosely
65 around the core, of larger diameter than the diameter of the central core, and having yielding material between the coils of the wire, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROBERT KELSO.

Witnesses:

WILLIAM A. BARR,
JOSEPH H. KLEIN.