

(No Model.)

G. B. SLOAN, Jr.
SECTIONAL BAND FOR SPRINGS.

No. 539,963.

Patented May 28, 1895.

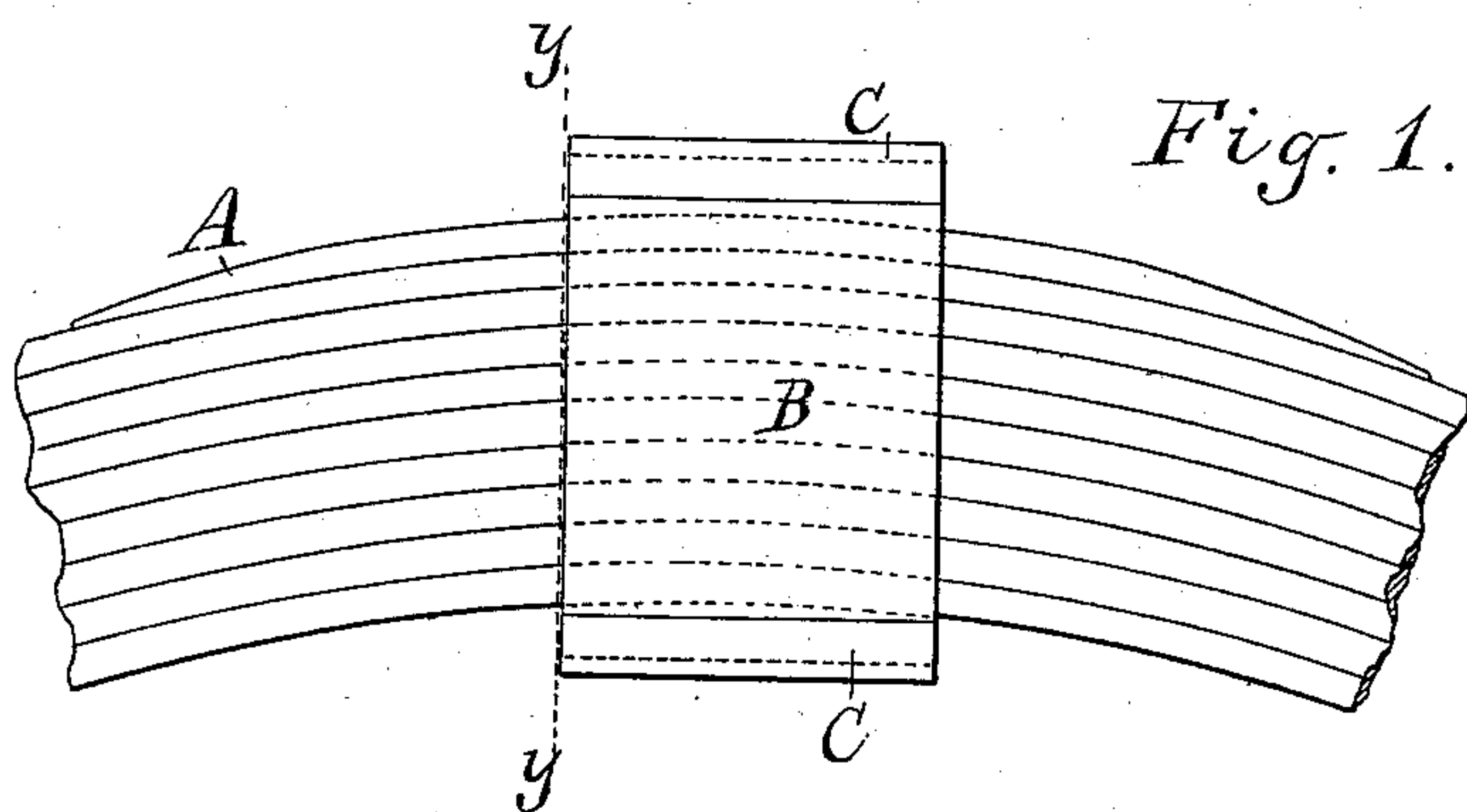


Fig. 1.

Fig. 2.

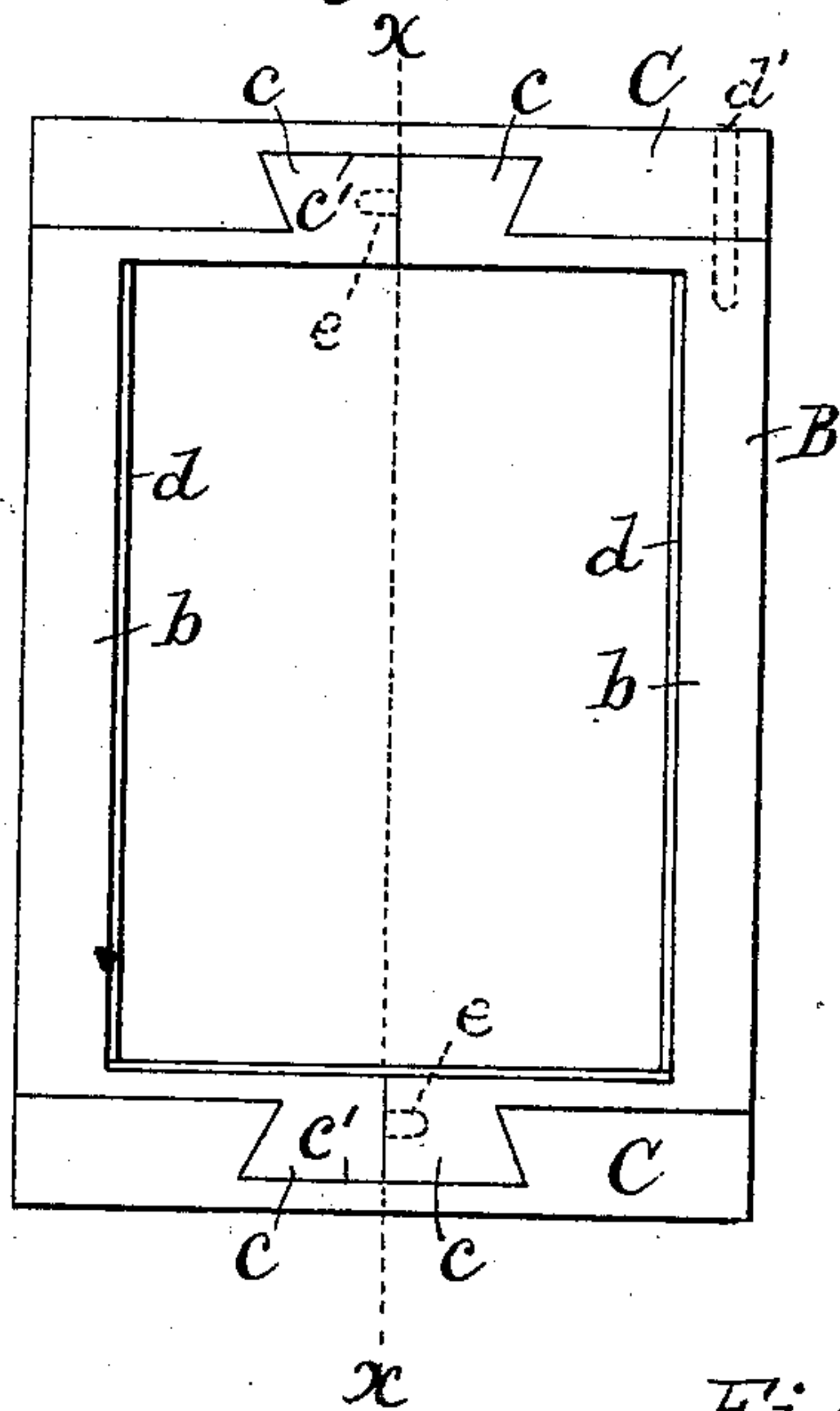


Fig. 3

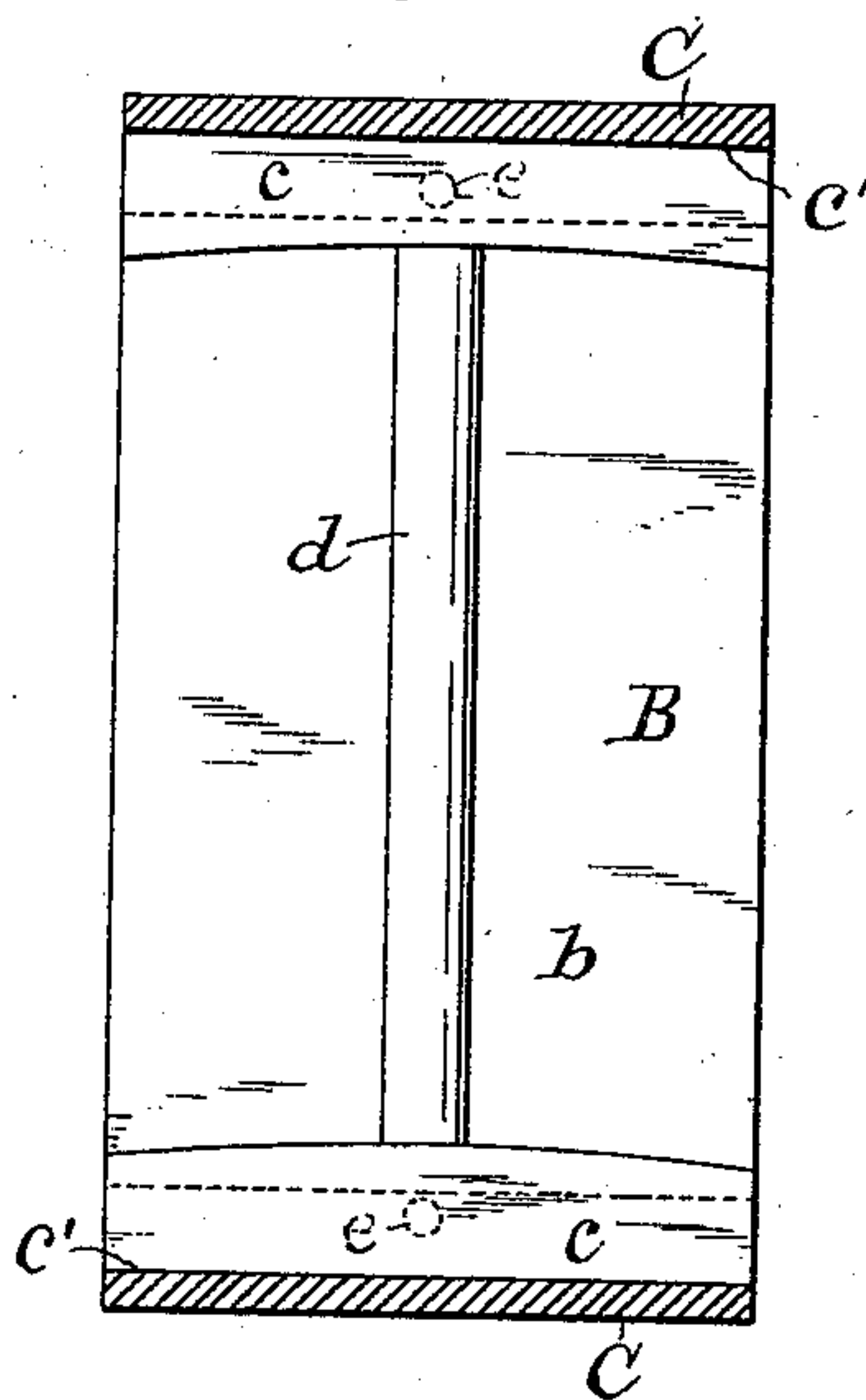


Fig. 4

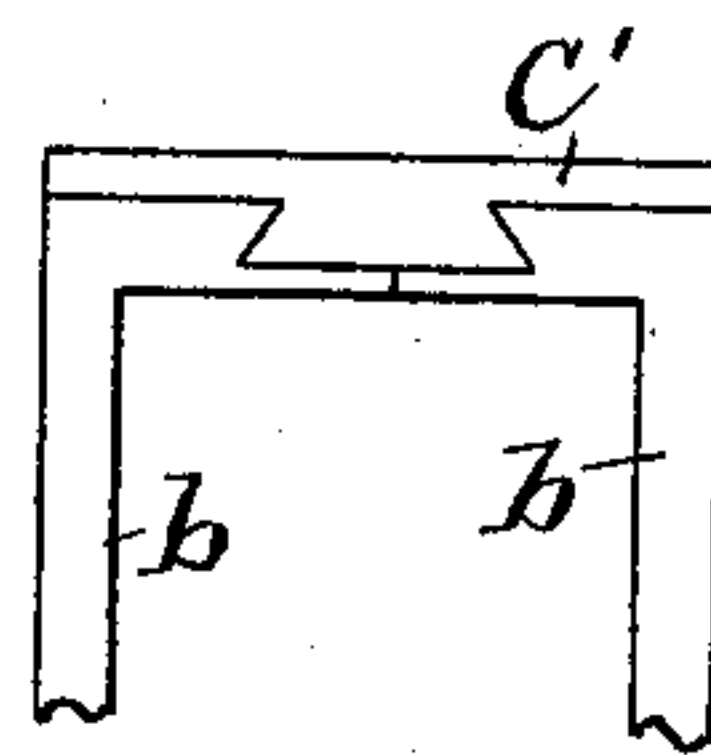
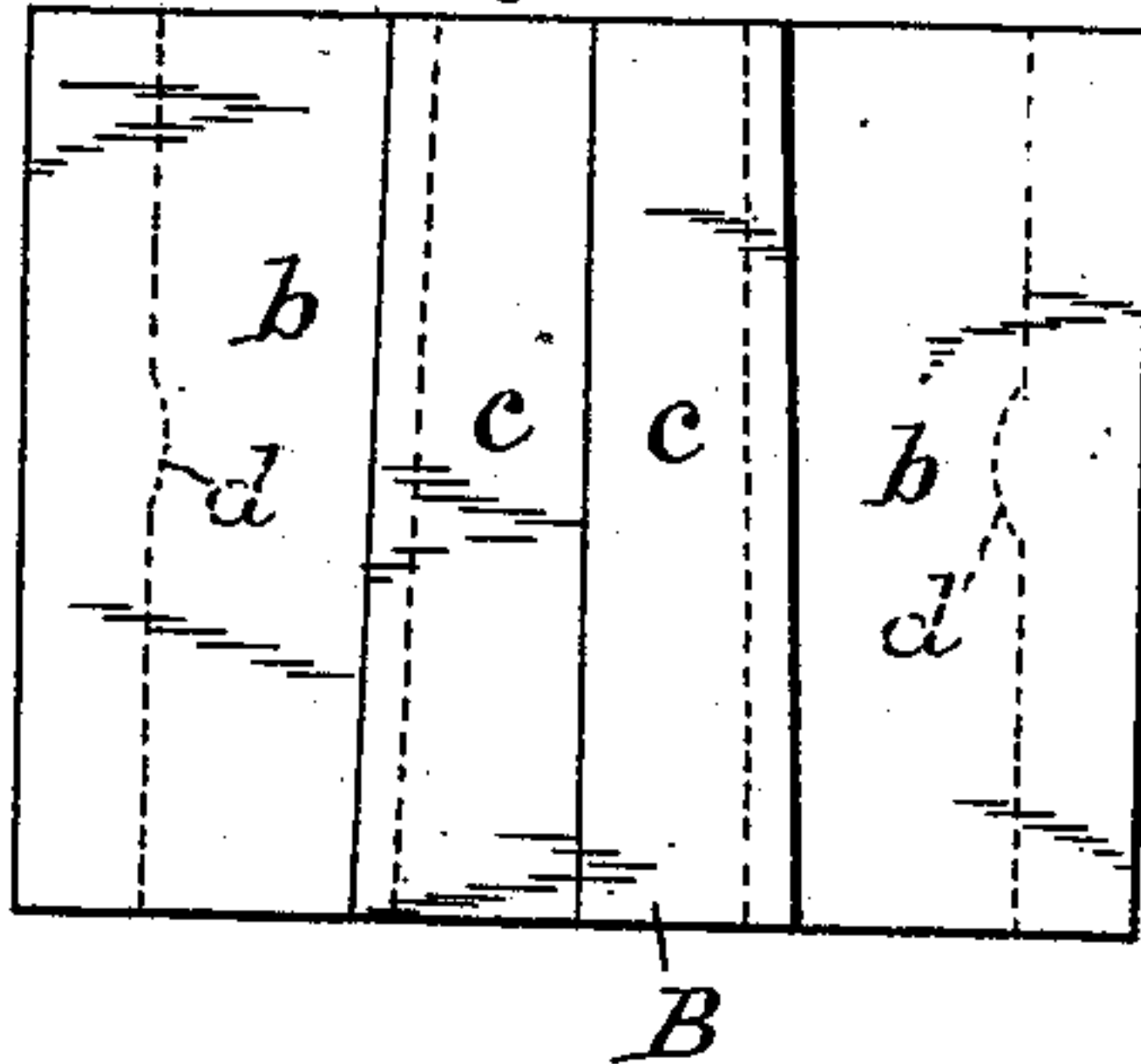


Fig. 5.

Witnesses:

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UNITED STATES PATENT OFFICE.

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SECTIONAL BAND FOR SPRINGS.

SPECIFICATION forming part of Letters Patent No. 539,963, dated May 28, 1895.

Application filed March 23, 1895. Serial No. 542,934. (No model.)

To all whom it may concern:

Be it known that I, GEORGE B. SLOAN, Jr., of Oswego, in the county of Oswego, in the State of New York, have invented new and useful
5 Improvements in Sectional Bands for Springs, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

My invention relates to bands for leaf-
10 springs such as full or semi-elliptic springs, and the object is to provide a band which may be quickly and readily applied to or removed from a spring when the latter becomes broken, and is similar to the band shown and de-
15 scribed in my application Serial No. 528,298.

My present invention consists in the combination of a band for leaf springs divided centrally into sections and plates on opposite
20 or the divided sides of the band dove-tailed to the band to hold these sections together; and my invention consists in certain other combinations of parts hereinafter described and specifically set forth in the claims.

In the drawings hereto annexed and forming a part of this specification, Figure 1 is a side elevation of a central portion of a semi-elliptic spring provided with a band embodying my invention. Fig. 2 is a side view of the same band, enlarged, removed from the
30 spring and taken on line *y y* of Fig. 1. Fig. 3 is a view of the inner side of one of the parts of the band, taken on line *x x* of Fig. 2. Fig. 4 is a top plan view or a view of one of the divided sides of the band with the locking-plate removed, and Fig. 5 shows a modified form of locking device embodying my invention.

Referring specifically to the drawings, A indicates a spring, which, as shown in Fig. 1,
40 is built up of leaves. The band is adapted to hold together the leaves of any well known leaf-spring.

B indicates the band for holding the leaves together. This band is divided into two parts
45 or sections, *b, b*, each part being preferably the same in size and shape as the other part. The band is divided centrally and on a vertical plane as shown in the drawings. When the parts, *b, b*, are placed together to form the
50 rectangular band, as shown clearly in Figs. 1, 2, and 4 of the drawings, a wedge-shaped or tapered dove-tailed tongue is formed on

each of the divided sides of the band, by ribs, *c, c*.

In order to hold or lock the parts together, 55 I provide rectangular plates, *C*, of the same size as these sides with corresponding dove-tailed grooves, *c'*, therein and place them so that the tongues lie within the grooves and firmly bind the parts together. In Fig. 5 the
60 reverse is shown, that is, the plate, *C'*, is provided with the dove-tailed tongue and the parts, *b, b*, with the recess or dove-tailed groove.

For the purpose of preventing a relative 65 movement of the band and spring, I provide the inner side of each part, *b*, with a central vertical rib, *d*, as shown in the drawings. These ribs are made very narrow or shallow as indicated so that the corresponding re-
70 cesses in the sides of the spring (not shown) will not materially weaken the spring.

I show in dotted lines in Figs. 2 and 3, although they are not always essential, projec-
75 tions, *e, e*, to enter cavities in the opposite parts, as will be understood, and I also show a pin, *d'*, indicated by dotted lines in Fig. 2, so that the plate *C*, may be held against displacement, but this also will not usually be
80 necessary.

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

1. A rectangular band for springs divided centrally into two parts, and plates on the
85 divided sides of the band dove-tailed to the band to hold the parts together, as set forth.

2. A band for leaf springs divided centrally into two parts, ribs on said parts forming a dove-tailed tongue on the divided sides of
90 the band, and plates with dove-tailed grooves therein to engage the said tongues, as and for the purpose described.

3. A band for leaf-springs divided vertically into two parts, ribs on said parts forming a wedge-shaped dove-tailed tongue on the
95 divided sides of the band, and plates with corresponding dove-tailed grooves therein to engage the said tongues, as and for the purpose described.

4. A band for leaf-springs divided centrally into two parts, ribs on the said parts forming a dove-tailed tongue on the divided sides of
100 the band, plates with dove-tailed grooves

therein to engage the said tongues, and suitable means to secure the parts against displacement, substantially as described and shown.

5 5. A rectangular band for springs divided centrally and vertically into two parts, a locking device on the top and bottom sides of the band, means on said sides to engage the locking devices, and a vertical rib on the inner
10 side of each of said parts, as and for the purpose described.

6. A band for leaf-springs divided vertically into two parts, ribs on said parts form-

ing a wedge-shaped dove-tailed tongue on the divided sides of the band, plates with corresponding dove-tailed grooves therein to engage the said tongues, and a central vertical rib on the inner side of each of the said parts, as and for the purpose described. 15

In testimony whereof I have hereunto
signed my name. 20

GEORGE B. SLOAN, JR. [L. S.]

Witnesses:

JOSEPH M. STOUGHTON,
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