

(No Model.)

G. B. SLOAN, Jr. & T. A. SHEA.
SECTIONAL BAND FOR SPRINGS.

No. 545,137.

Patented Aug. 27, 1895.

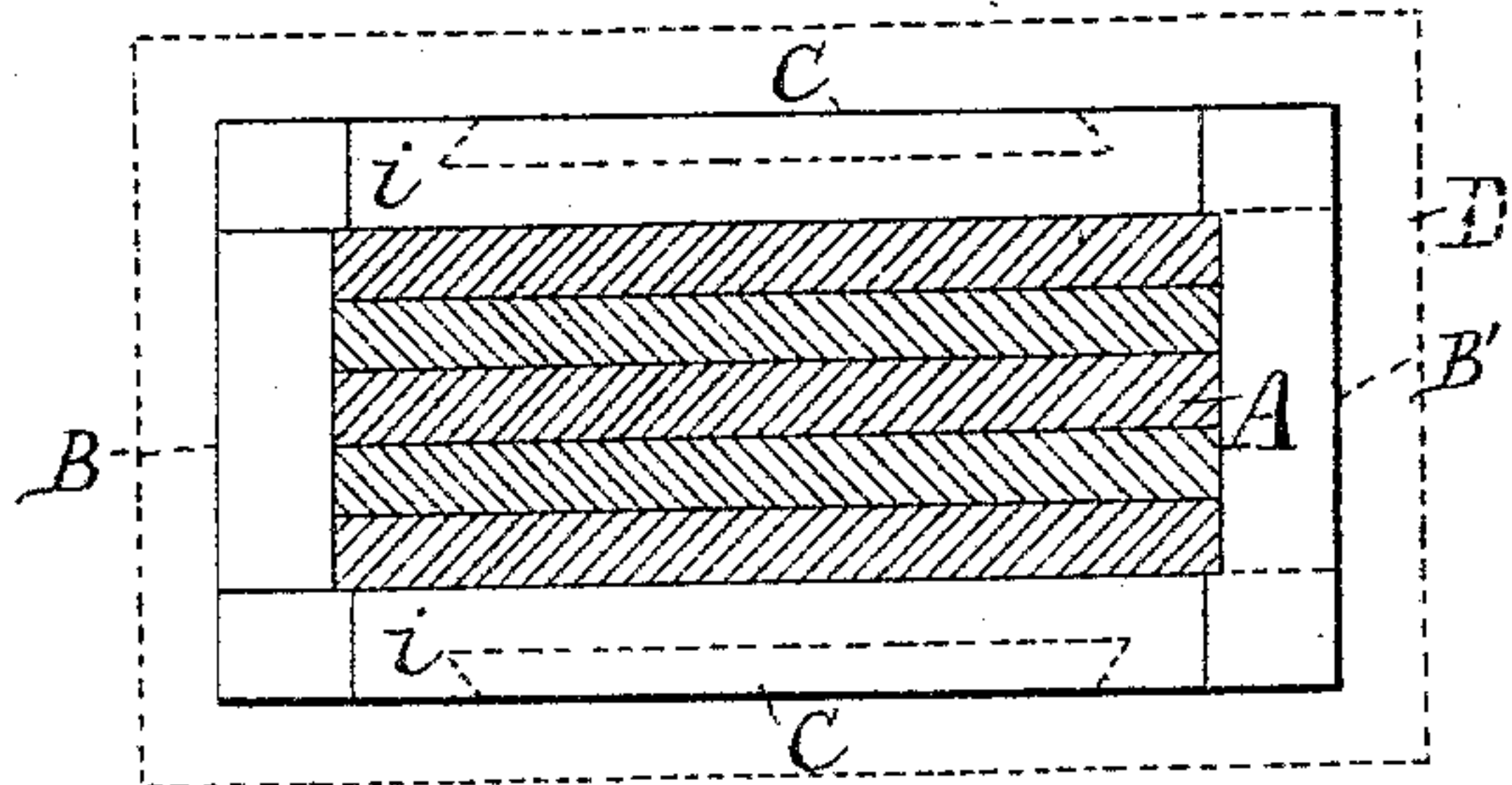


Fig. 1.

Fig. 2.

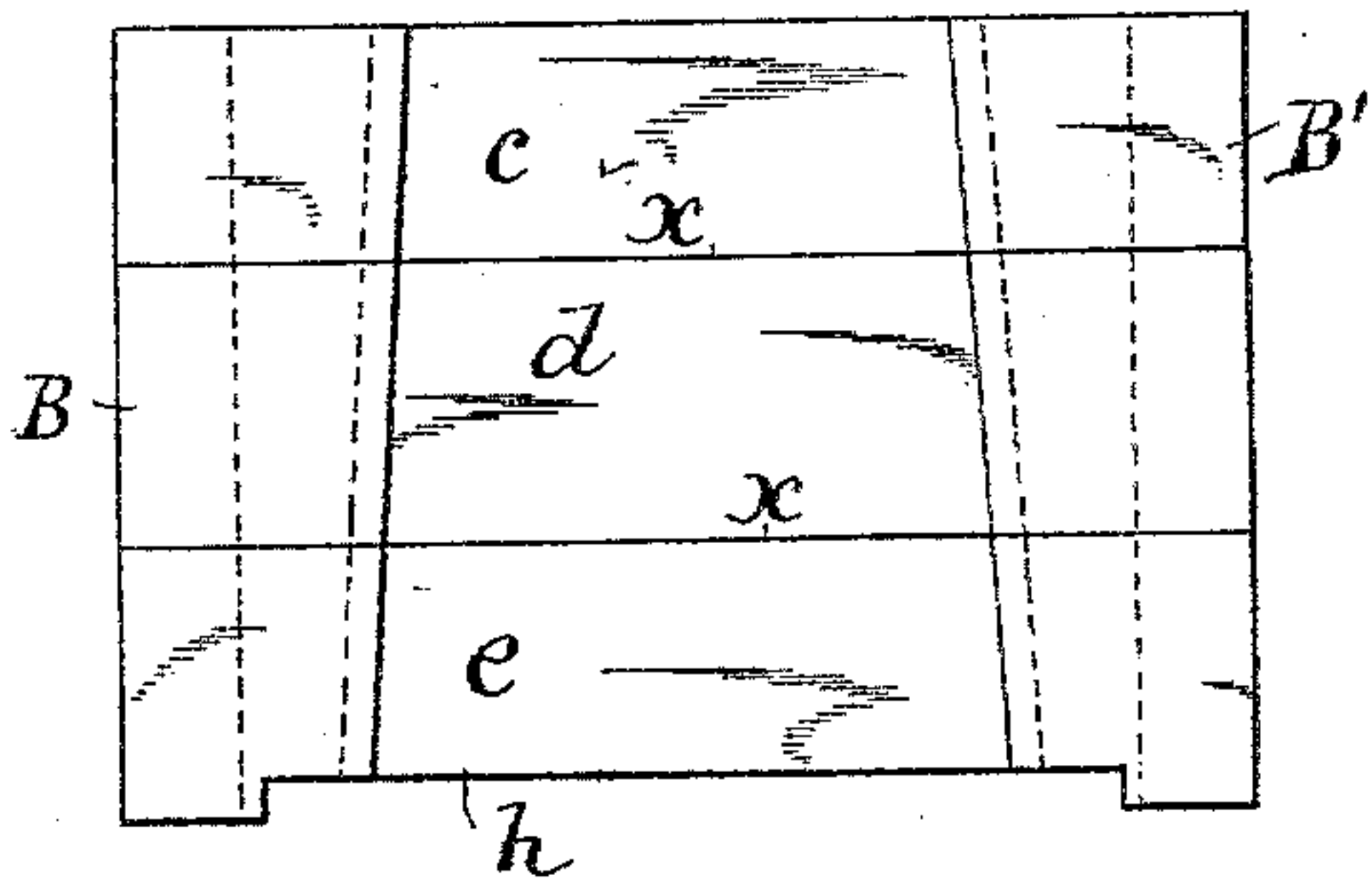


Fig. 3.

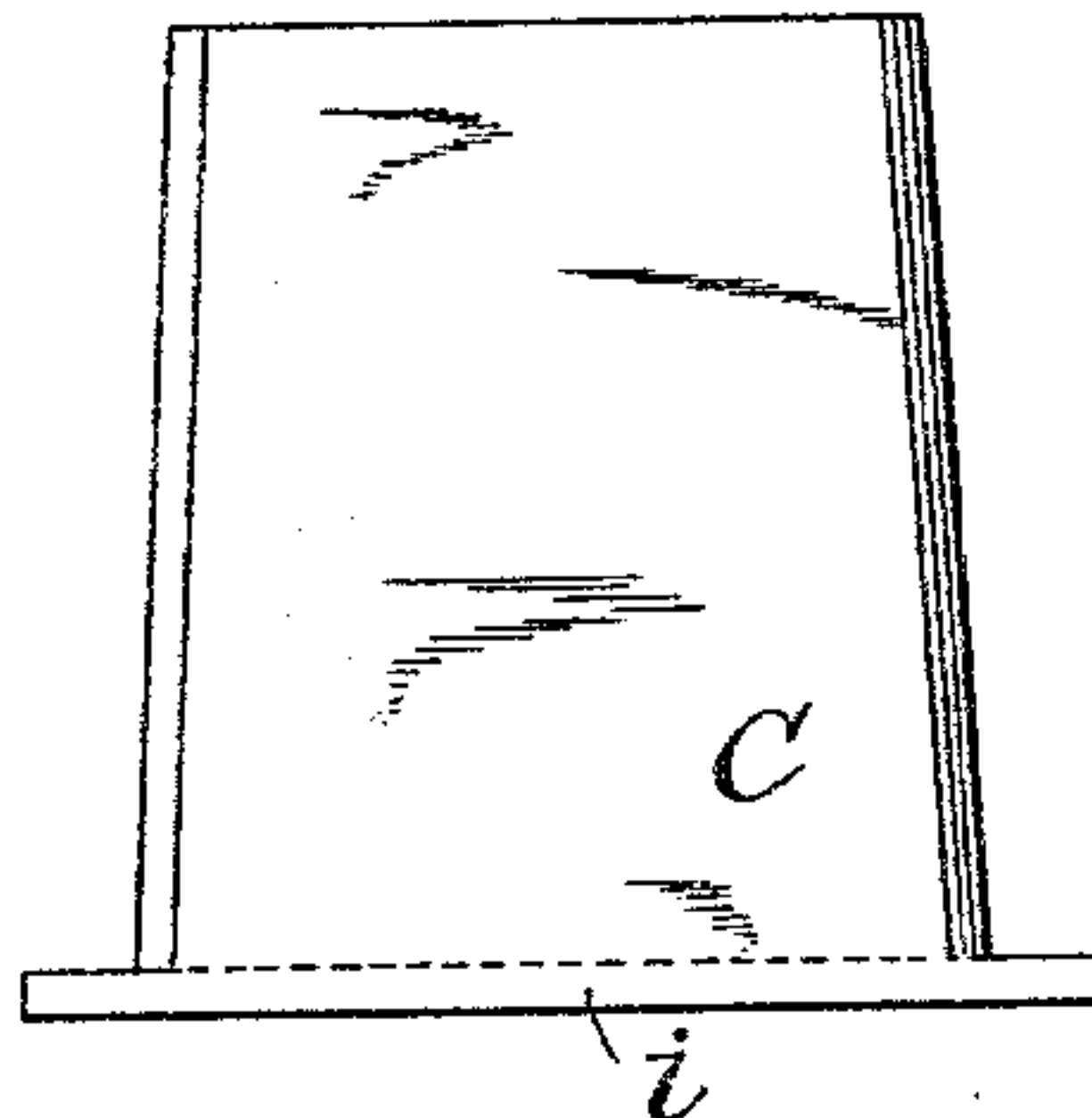


Fig. 4

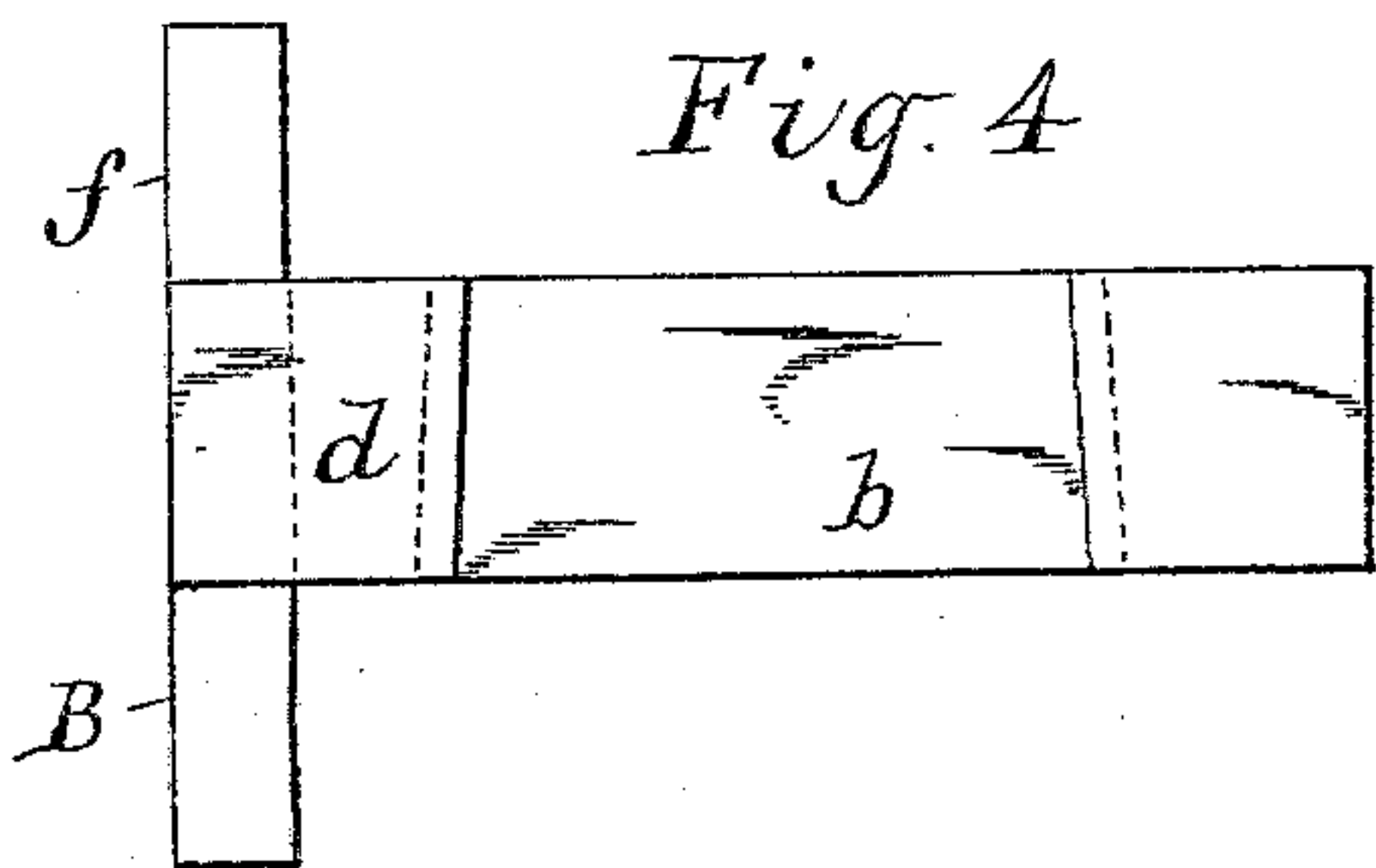


Fig. 5

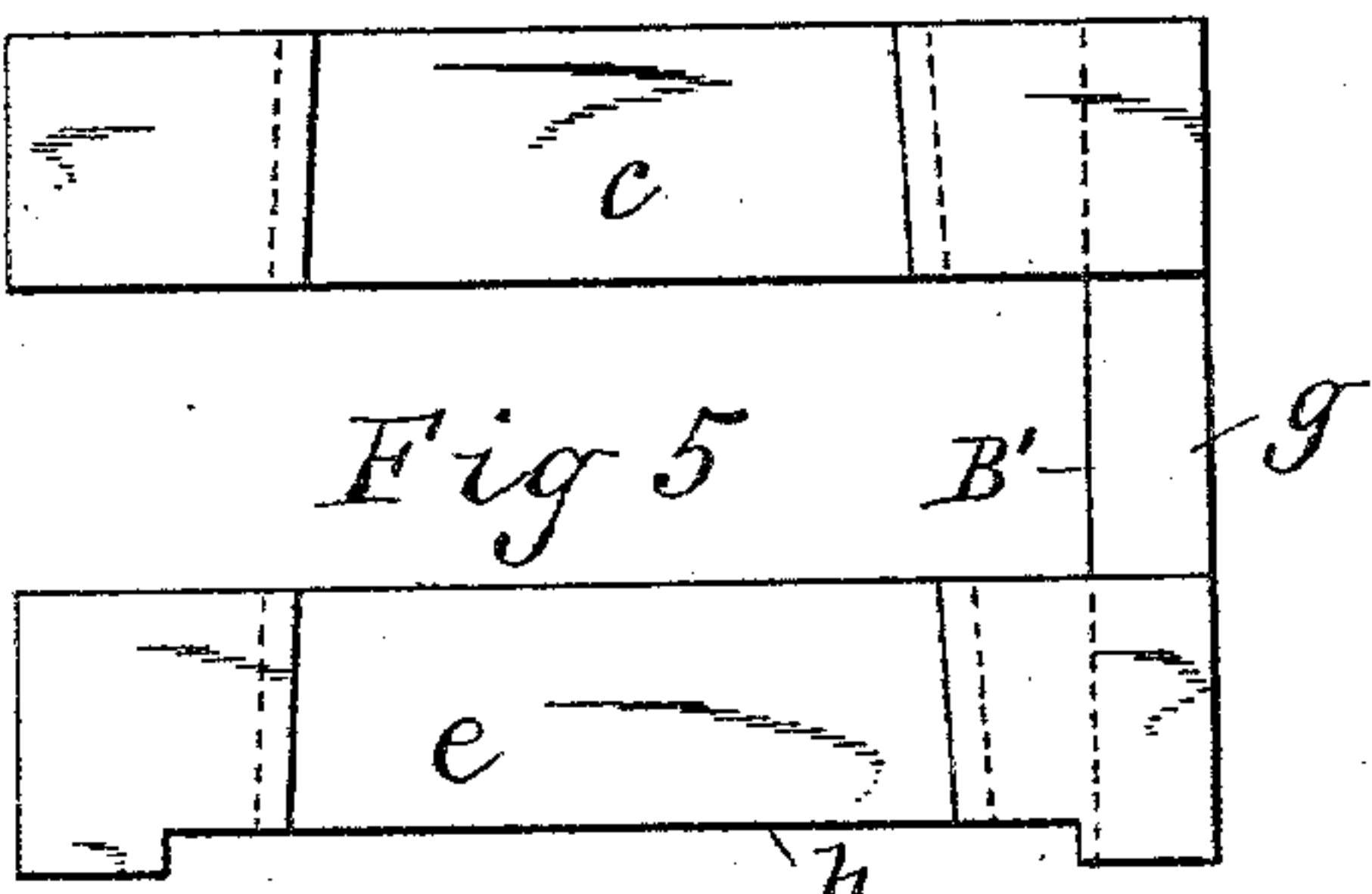


Fig. 6

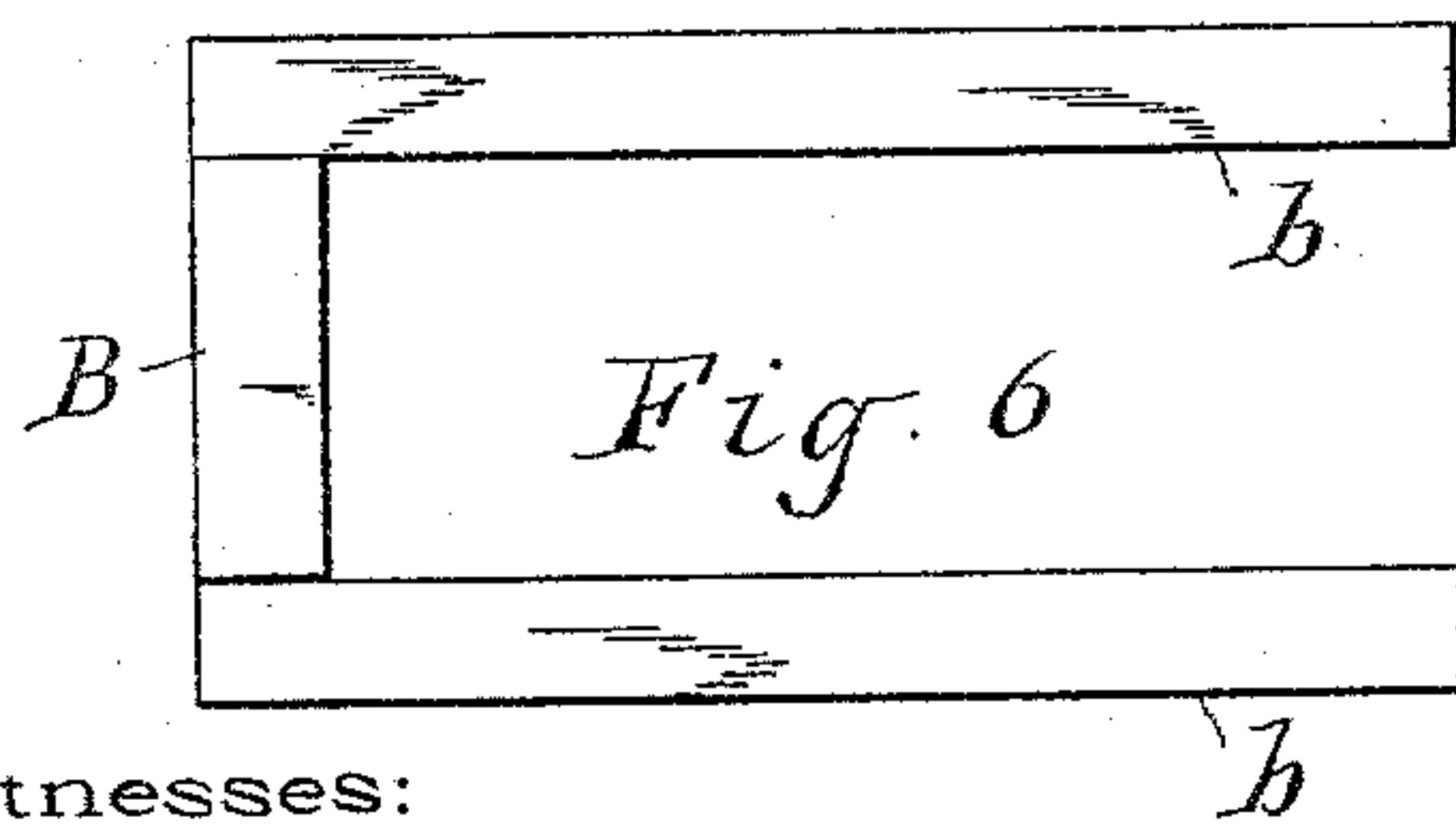
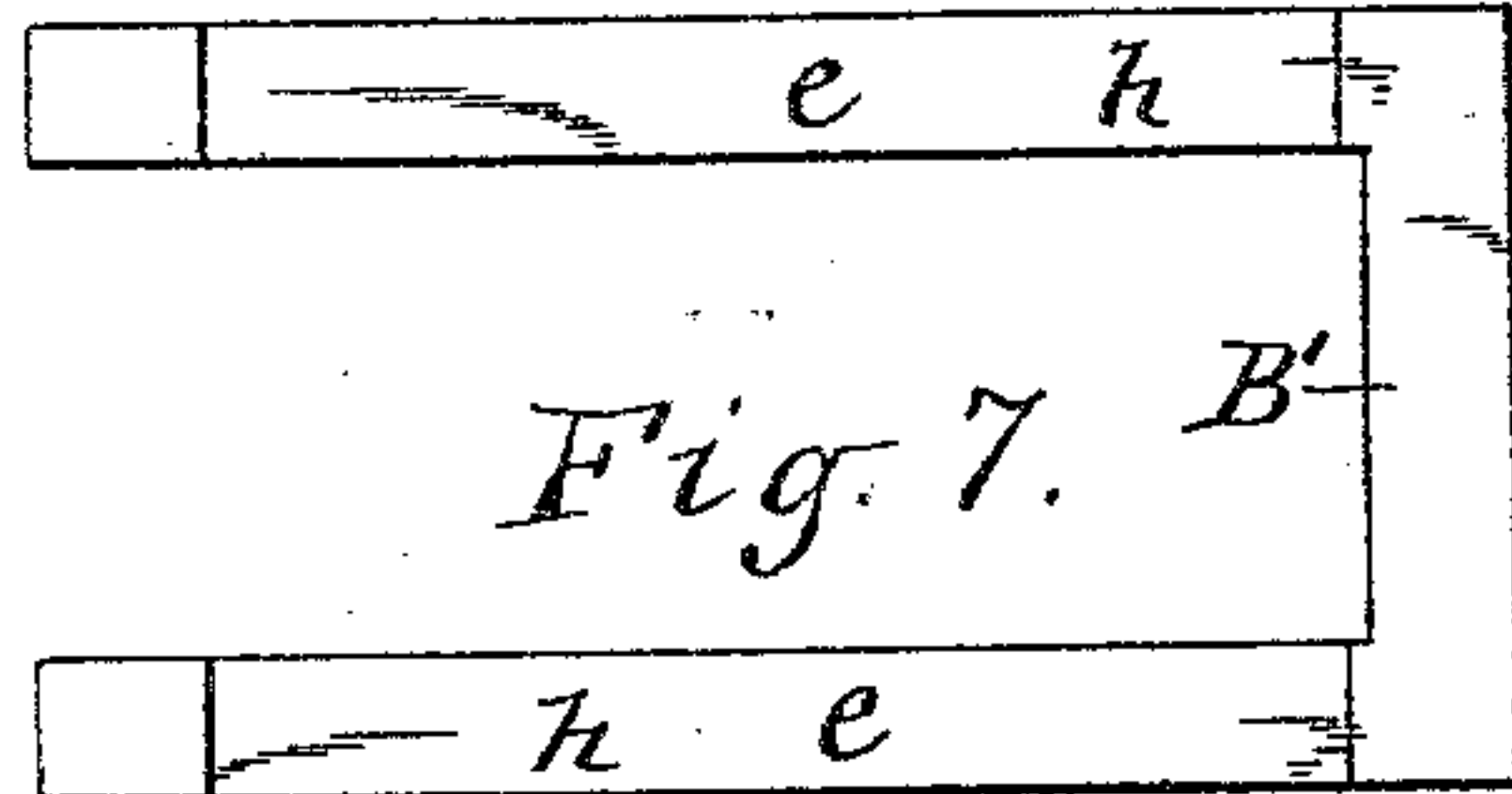


Fig. 7.



Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE B. SLOAN, JR., AND THOMAS A. SHEA, OF OSWEGO, NEW YORK,
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PLACE.

SECTIONAL BAND FOR SPRINGS.

SPECIFICATION forming part of Letters Patent No. 545,137, dated August 27, 1895.

Application filed June 20, 1895. Serial No. 553,492. (No model.)

To all whom it may concern:

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

Our invention relates to bands for leaf-springs as full or semielliptic 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, so that it may be repaired.

To this end our invention consists in a band for leaf-springs having two of its opposite sides divided transversely on several parallel planes, a groove in and extending across said sides at right angles to said planes, and pieces adapted to fit in said grooves to hold the parts together.

In the drawings hereto annexed and forming a part of this specification, Figure 1 is an end elevation of the complete band with a leaf-spring therein shown in section. Fig. 2 is a top plan view of the band with the pieces which fit in the grooves removed therefrom. Fig. 3 is a plan view of one of the pieces to fit in a groove. Figs. 4 and 5 show the parts illustrated in Fig. 2 separated, and Figs. 6 and 7 show end views of the same parts separated.

Referring specifically to the drawings, A indicates the spring, which, as shown in Fig. 1, is built up of leaves. Any form of leaf-spring may be held by this band. The band is divided into two main parts B and B', each part being similar in shape and size, and one part being adapted to fit into the other part to form a solid rectangular band. The band has two opposite sides *b b*, which we will term its "top" and "bottom" sides, divided on two parallel planes *x x*, lying transversely to the length of the spring, which divide these sides each into three segments *c*, *d*, and *e*. The other two sides *f* and *g* of the band are solid. The side *f* is cast or formed in any way integral with the central segments *d d*, and the side *g* is integral with the segments *c c e e*. The top and bottom sides of the band have tapered dovetailed grooves therein for corre-

sponding pieces C C, provided with tongues to fit in said grooves to hold and secure the parts B and B' together. Recesses *h h* are formed in the end of the part B' to receive the ribs *i i* on the securing or fastening parts C. It will be obvious that after the leaf-spring has been temporarily clamped together this band may be applied thereto by simply passing the parts B B' over the several leaves and the segments *d d* between the segments *c c* and *d d*, and then securing the parts firmly together by inserting the parts C C in the dovetailed grooves in the top and bottom sides of the band. When thus formed and secured together, the parts composing the band form substantially one solid homogeneous band. If desired, however, this divisible band may be contained in an ordinary solid rectangular band D, as indicated by dotted lines in Fig. 1 of the drawings.

We do not wish to be limited to the precise form of construction shown and described herein, as it may be varied without departing from our invention.

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

1. A band for leaf springs having two of its opposite sides divided transversely on several parallel planes, a groove in and extending across said sides at right angles to said planes, and pieces adapted to fit in said grooves to hold the parts together, as set forth.

2. A band for leaf-springs having two of its opposite sides divided transversely on two parallel planes, a groove in and extending across said sides at right angles to said planes, pieces provided with tongues to fit in said grooves, recesses in one of the parts of the band, and ribs on the pieces to fit in said recesses, as set forth.

3. A band for leaf springs having two of its opposite sides divided on two parallel planes, a dove-tailed groove in and extending across each of said sides at right angles to said planes, and pieces provided with tongues to fit in said grooves substantially as and for the purpose described.

4. A band for leaf springs having two of its opposite sides divided on several parallel planes, a tapered dove-tailed groove extend-

ing across each of said sides at right angles to said planes, and tapered pieces provided with tongues to fit in said grooves, substantially as described and shown.

5 5. A sectional band for leaf springs having two of its opposite sides divided transversely on two parallel planes, a tapered dove-tailed groove in each of said sides extending across
10 fit in said grooves, ribs on said pieces, and recesses in one of the main parts of the band to receive the ribs, as set forth.

15 6. A sectional band for leaf springs having two of its opposite sides divided transversely on two parallel planes, a tapered dove-tailed groove in each of said sides extending across said planes, and tapered dove-tailed pieces to

fit in said grooves, ribs on said pieces, recesses in one of the main parts of the band to receive the ribs, and a solid band in contact with and inclosing the sectional band, as set forth. 20

7. A rectangular band for leaf-springs divided into sections and provided with pieces to secure the said sections together, and a solid band in contact with and inclosing the sectional band, as set forth. 25

In testimony whereof we have hereunto signed our names.

GEORGE B. SLOAN, JR. [L. S.]
THOMAS A. SHEA. [L. S.]

Witnesses:

JAMES DUNLAP, Jr.,
ISAAC E. POOL.