

(No Model.)

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

No. 540,278.

Patented June 4, 1895.

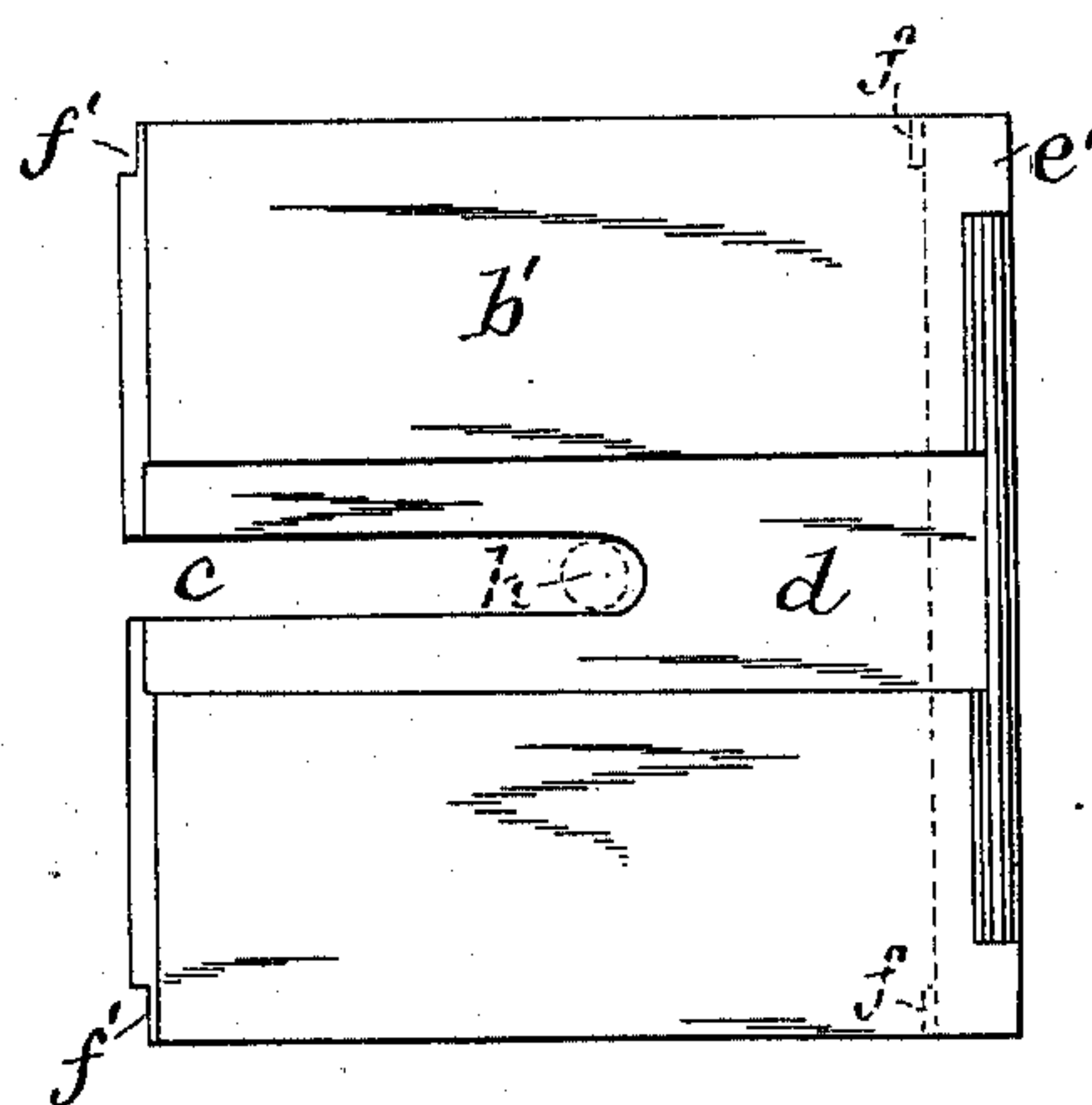
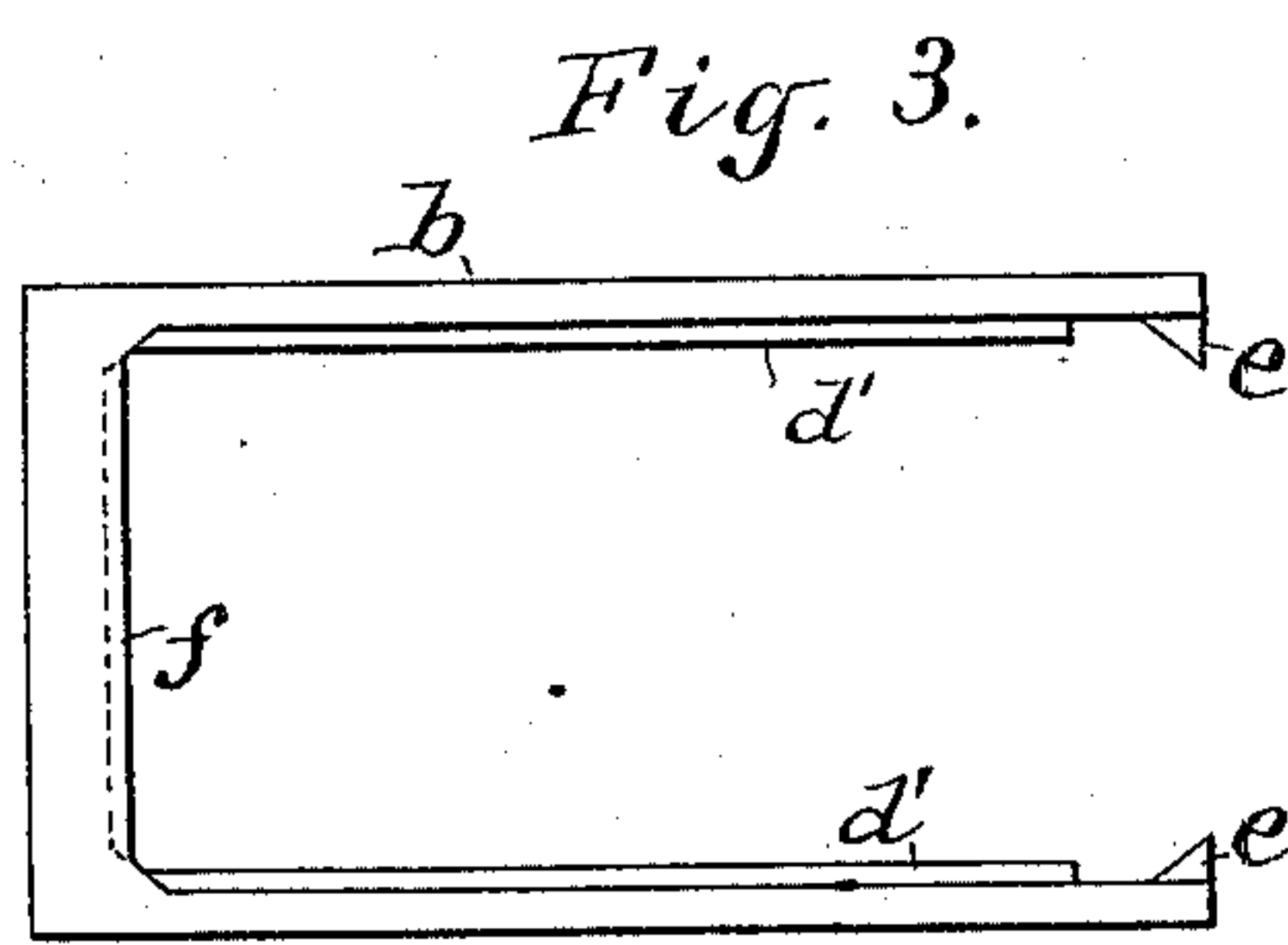
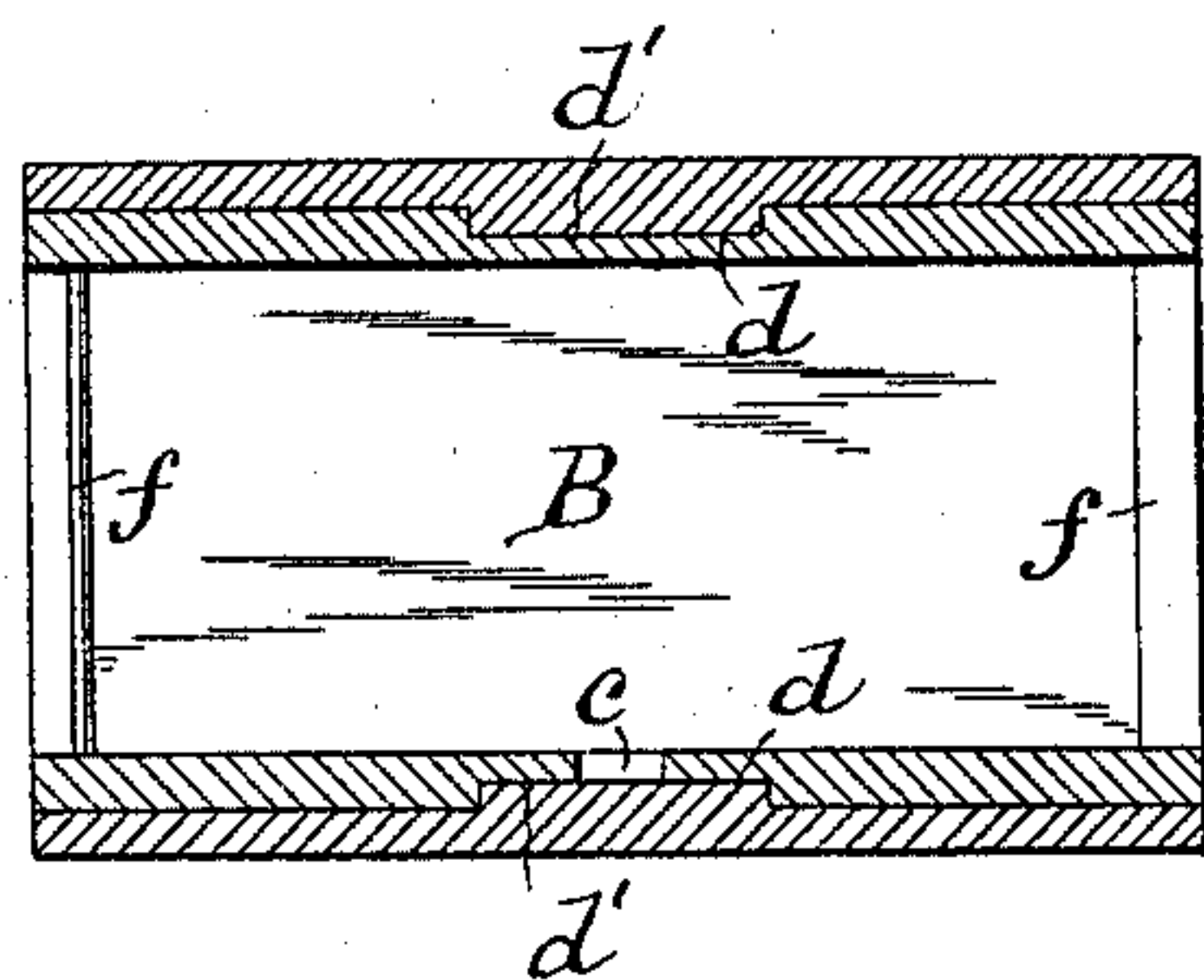
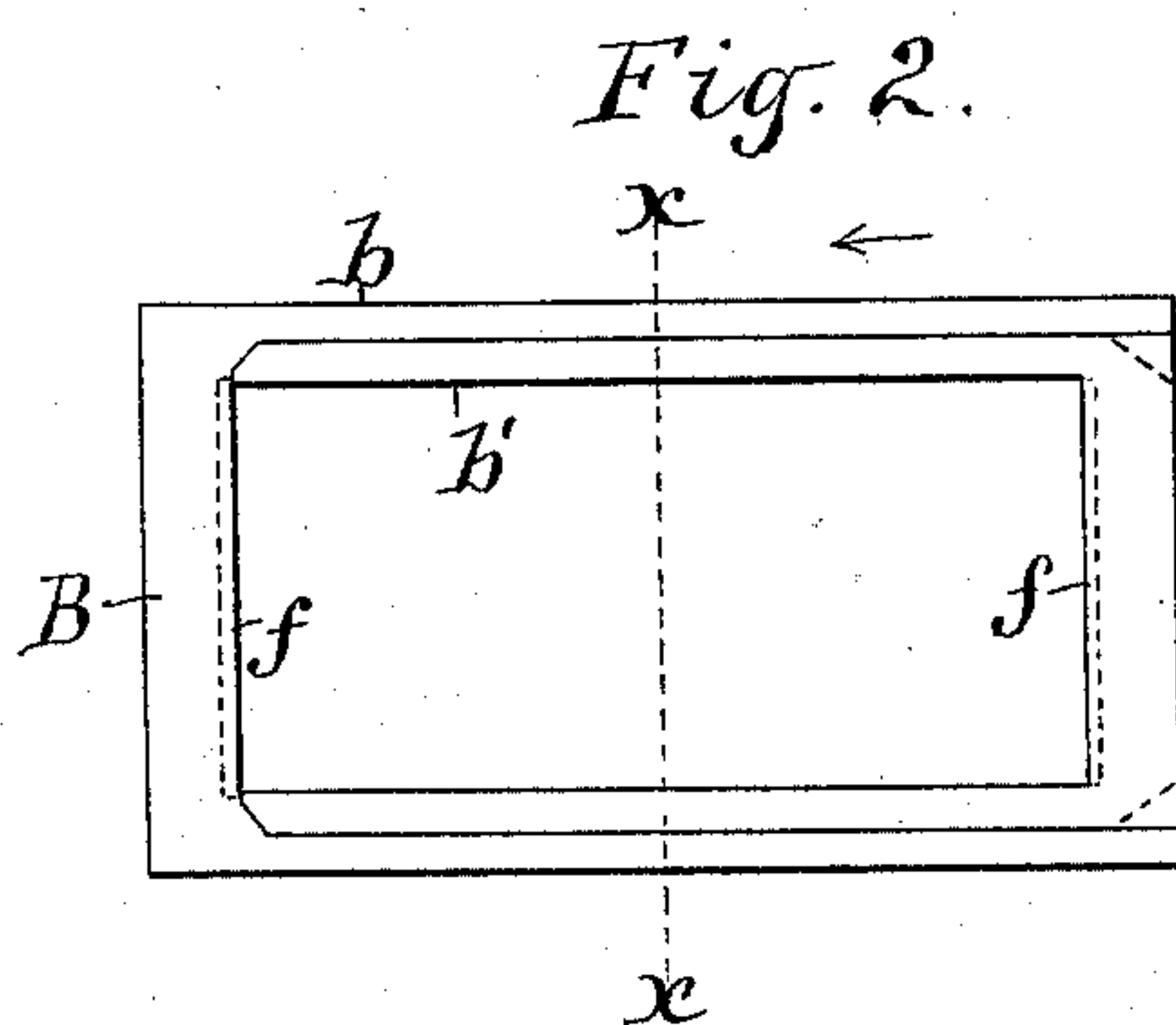
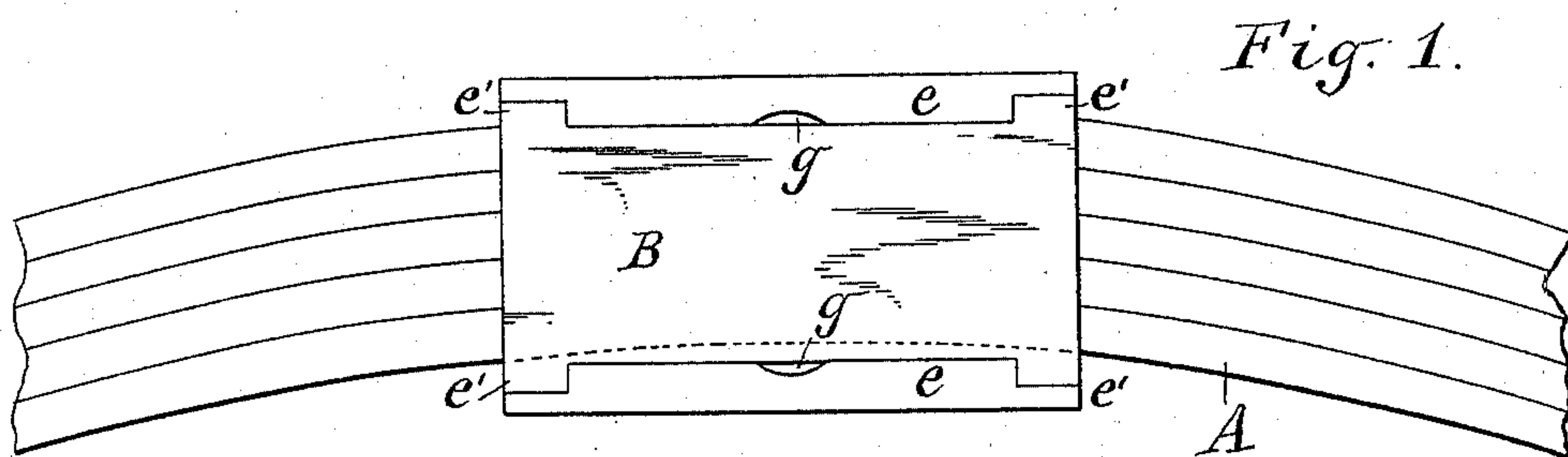


Fig. 4.

Fig. 5.

Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE B. SLOAN, JR., OF OSWEGO, NEW YORK.

SECTIONAL BAND FOR LEAF-SPRINGS.

SPECIFICATION forming part of Letters Patent No. 540,278, dated June 4, 1895.

Application filed April 16, 1895. Serial No. 545,959. (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 Improvements in Sectional Bands for Leaf-Springs, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

My invention relates to sectional bands for leaf-springs, such as the full or semi-elliptic springs which are well known, 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 in some respects to the band shown and described in my application Serial No. 528,298.

My present invention consists in a band for leaf springs divided into two parts, each part having three sides and with one part adapted to slide over, cover or inclose the other part; and my invention consists in certain other features or 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, looking from left to right in Fig. 1, with the spring removed. Fig. 3 is a side view of the external part of the band removed from the inner part. Fig. 4 is a sectional view of the complete band, taken on line *x x* of Fig. 2 and looking in the direction of the arrow; and Fig. 5 is a top or bottom side view of the inner part of the band and shows clearly the slot or recess to admit the projection usually provided on a leaf of the spring to prevent the band from shifting from its position.

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

The band B is divided into two parts or sections, *b*, and *b'*, each part having three sides, one of said parts, *b*, being adapted to slide over and upon the two opposite sides of the other part and inclose it. When the said parts are placed together, a band of rectangu-

lar shape is formed, as clearly shown in the drawings. In applying the parts to the spring the inner part, *b'*, is first placed upon the spring with the small projection, *h*, on the leaf lying in the recess, *c*, in the part, and then the larger or external part, *b*, is forced open slightly and slid upon the part *b*.

Grooves, *d*, *d'*, are in the upper and lower sides of the part, *b'*, extending transversely to the spring, to engage the tongues, *d'*, *d'*, on the inner sides of the part, *b*, so that the parts will be held against relative movement, and to still further guard against relative movement the angular lips, *e*, *e*, on the ends of the sides of the part, *b*, are cut away to allow the projections, *e'*, on the part, *b'*, to bear against their ends.

Ribs, *f*, *f*, are formed on the inner sides of each of the parts *b* and *b'*, so that the edges of the leaves will be firmly gripped; and *f'*, *f'*, are notches in the inner part, *b'*, to receive the ribs on the part *b*. These ribs and notches serve also to prevent relative movement of the parts. The part, *b'*, is chamfered between *e'*, *e'*, to receive the lips, *e*, *e*.

For the purpose of removing the part, *b*, from the part, *b'*, easily, notches, *g*, are cut in the center of each lip, *e*, so that a suitable tool may enter to pry the lips apart.

The band is preferably made of steel and will readily return to its normal position in close contact with the inner part after the sides of the outer part have been separated sufficiently to permit it to pass over the inner part.

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

1. A rectangular band for springs divided into two parts, each part having three sides, one of said parts being larger than the other part, and adapted to cover or inclose it, substantially as set forth.

2. A rectangular band for leaf-springs divided into two parts, each part having three sides, one of said parts lying upon but external to the other part, with tongues and grooves in the parts extending transversely to the spring, substantially as described and shown.

3. A band for leaf-springs divided into two parts, each part having three sides, one of said parts inclosing the other part, with tongues

and grooves in the said parts extending transversely to the spring, and with lips on the inner sides of the ends of the outer part, substantially as described and shown.

5 4. A band for leaf-springs, divided into two parts, each part having three sides, one of said parts inclosing the other part, with tongues and grooves in the said parts extending transversely to the spring, with angular lips on the
10 inner sides of the ends of the outer part, and with a recess in one side of the inner part, as and for the purpose described.

5. A band for springs divided into two parts, each part having three sides, one of said parts

in contact with and inclosing the other part, 15 the outer part being provided with ribs, *f*, *f*, tongues, *d'*, *d'*, lips, *e*, *e*, and notches *g*, *g*, and the inner part being provided with ribs, *f*, *f*, grooves, *d*, *d*, recess, *c*, notches *f'*, *f'*, and projections *e'*, *e'*, as shown and for the purpose 20 described.

In testimony whereof I have hereunto signed my name.

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

Witnesses:

JAMES DUNLAP, Jr.,
ISAAC E. POOL.