

J. KING.

Slides for Extension-Tables.

No. 144,276.

Patented Nov. 4, 1873.

Fig. 1.

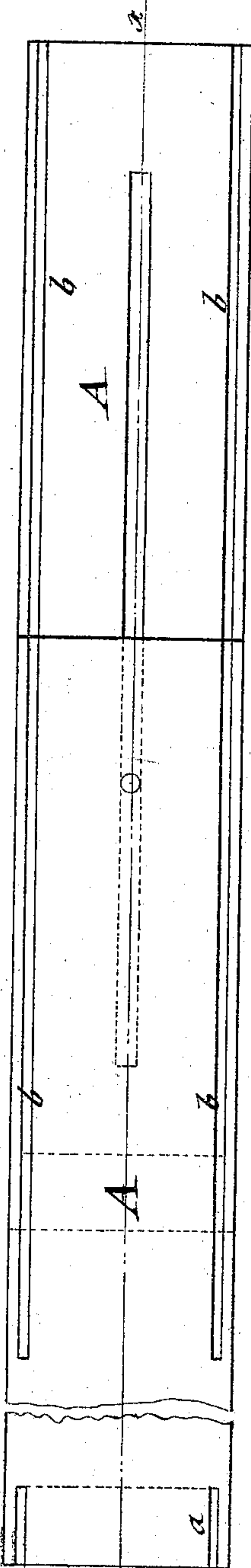


Fig. 2.

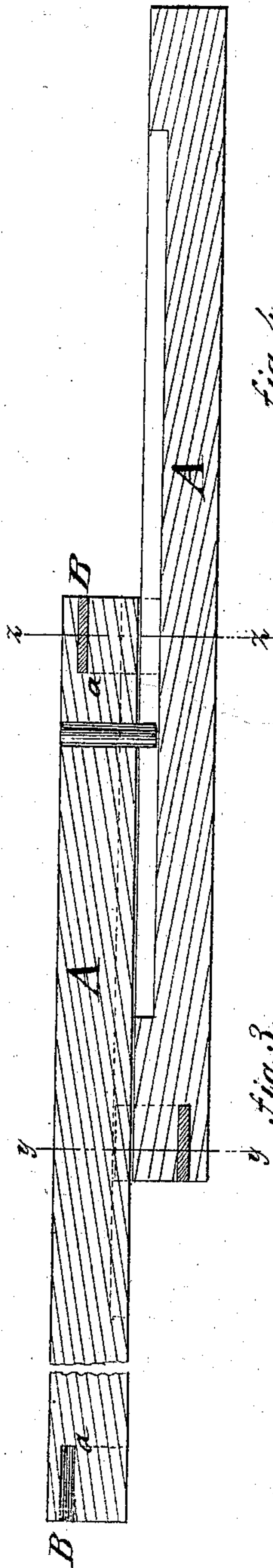


Fig. 4.

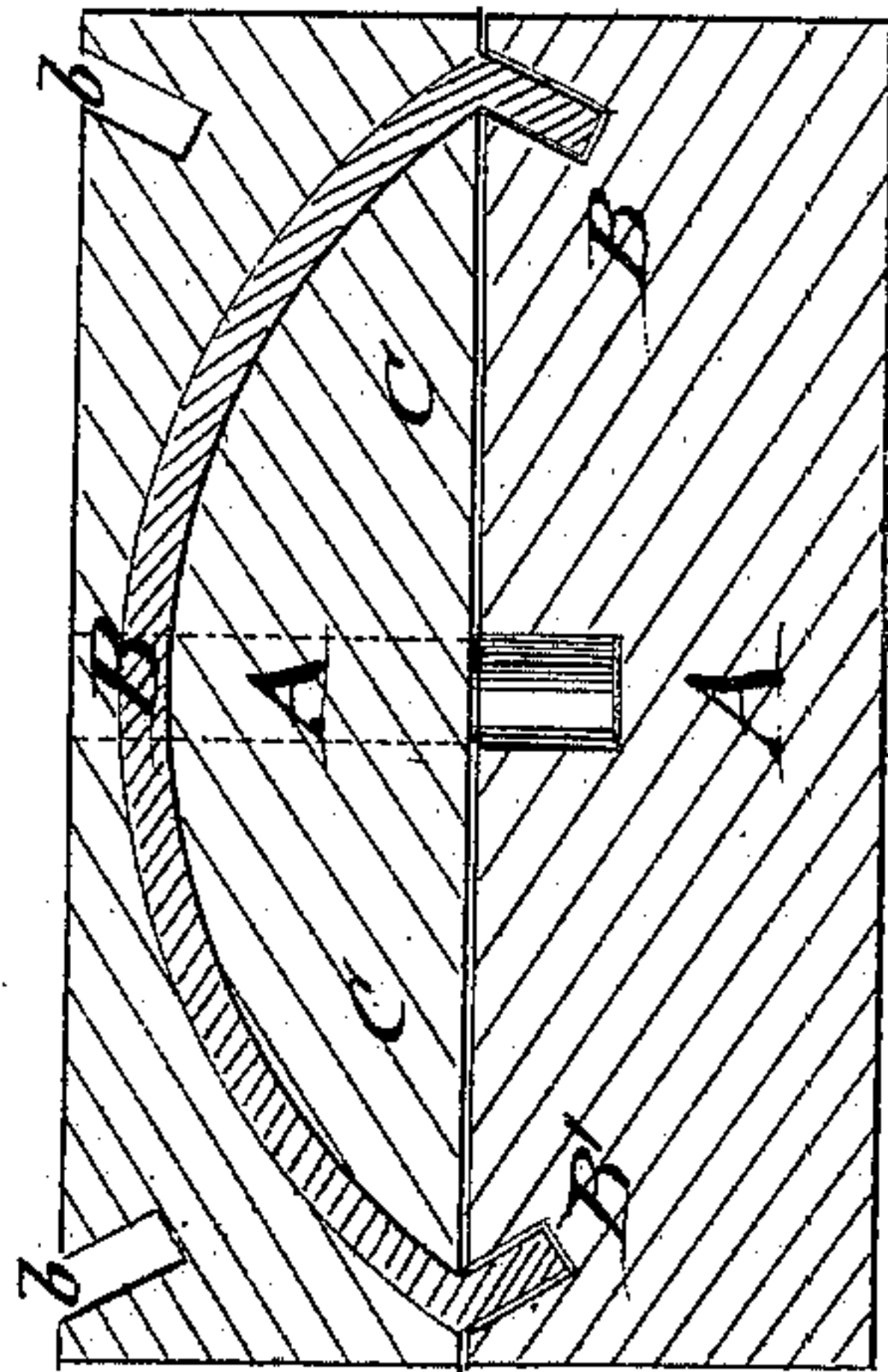
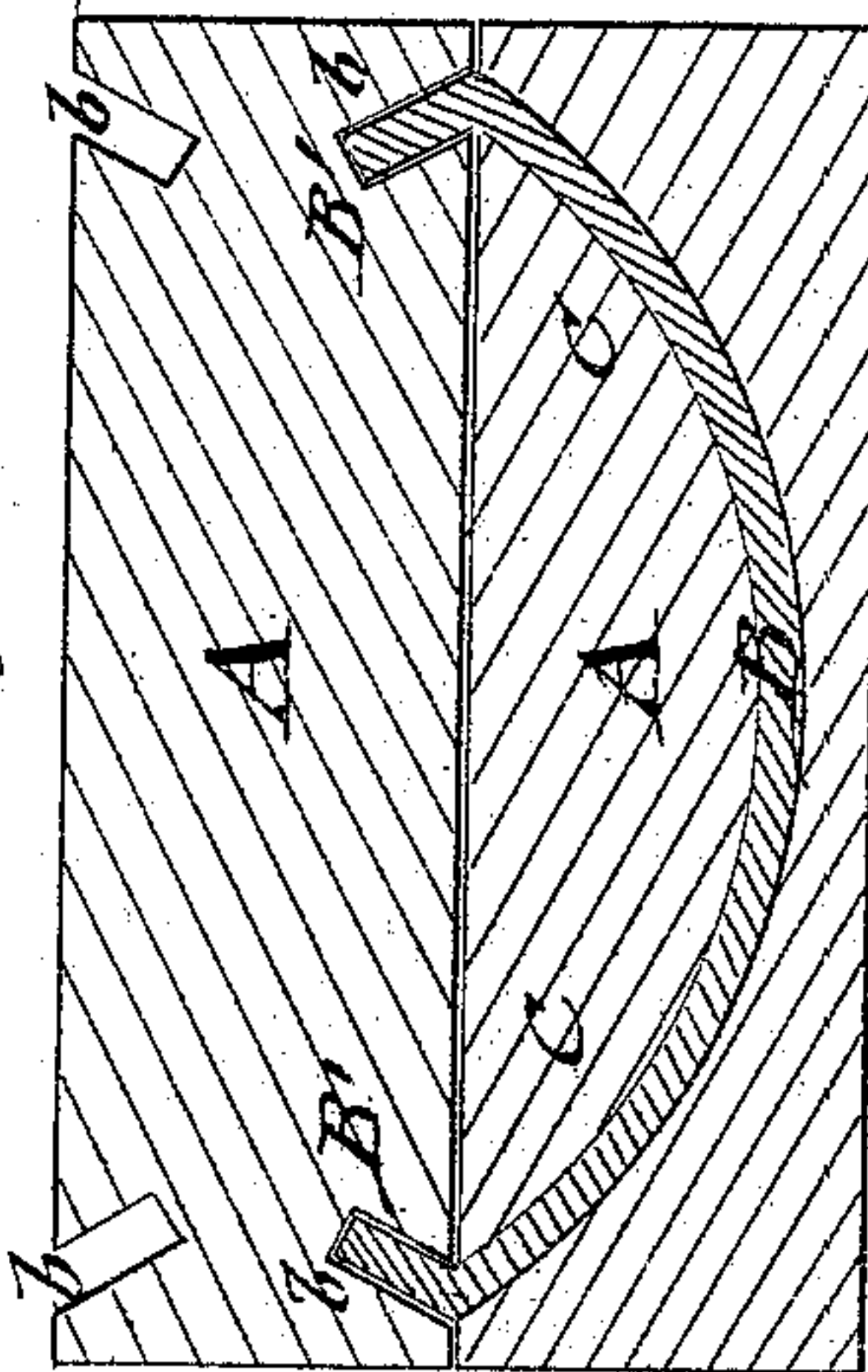


Fig. 3.



Witnesses.

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# UNITED STATES PATENT OFFICE

JESSE KING, OF OSWEGO, NEW YORK.

## IMPROVEMENT IN SLIDES FOR EXTENSION-TABLES.

Specification forming part of Letters Patent No. **144,276**, dated November 4, 1873; application filed September 6, 1873.

*To all whom it may concern:*

Be it known that I, JESSE KING, of the city and county of Oswego and State of New York, have invented a new and Improved Slide for Extension-Tables, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a top view of my improved slide for extension-tables; Fig. 2, a vertical longitudinal section of the same on the line *x x*, Fig. 1, and Figs. 3 and 4 vertical transverse sections of the same on the lines *y y* and *z z*, respectively.

Similar letters of reference indicate corresponding parts.

The object of my invention is to so improve the slides for extension-tables that the splitting of the slide-bars is prevented by transferring the strain to the center instead of the sides, and allowing the construction of the slide-bars in half the thickness of the slide-bars in common use. My invention consists in arranging the ends of the slide-bars with arched slide-plates having short extensions, which are inclined toward the longitudinal axis and slide in similarly-inclined grooves of the adjacent slide-bars.

In the drawing, A represents the slide-bars, which are provided, at diagonally-opposite ends, with arched grooves *a*, into which the slide-plates B, of corresponding shape, are inserted. Each slide B has projecting extensions

B', which are inclined from the extremities of the arched part, at the points where the same leaves the slide-bar A, toward the longitudinal axis of the bars under a suitable angle to the same. A segmental piece, C, of the bar A is thereby embraced by the arched slide B, and takes up the strain exerted thereon while the extensions B run in similarly-inclined grooves *b* of the adjacent bar. The grooves *b* extend at both sides from that end of each bar above the arched slide B along the sides of the same to some distance from the opposite end, each bar A being connected to the adjacent one by two slides B running, respectively, in the adjacent grooves *b* of the slide-bars A A. A central longitudinal groove of one bar A, and a stop of the other, define the limit of the extension of the slide-bars in the usual manner, and prevent their coming apart.

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

As an improvement in slides for extension-tables, the combination of slide-bars A, arched slide-plates B having extensions B' running in inclined grooves *b*, and bars A, all arranged as and for the purposes described.

JESSE KING.

Witnesses:

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