(No Model.)

J. RIDGE.

NOISELESS SLATE.

No. 298,891. Patented May 20, 1884.

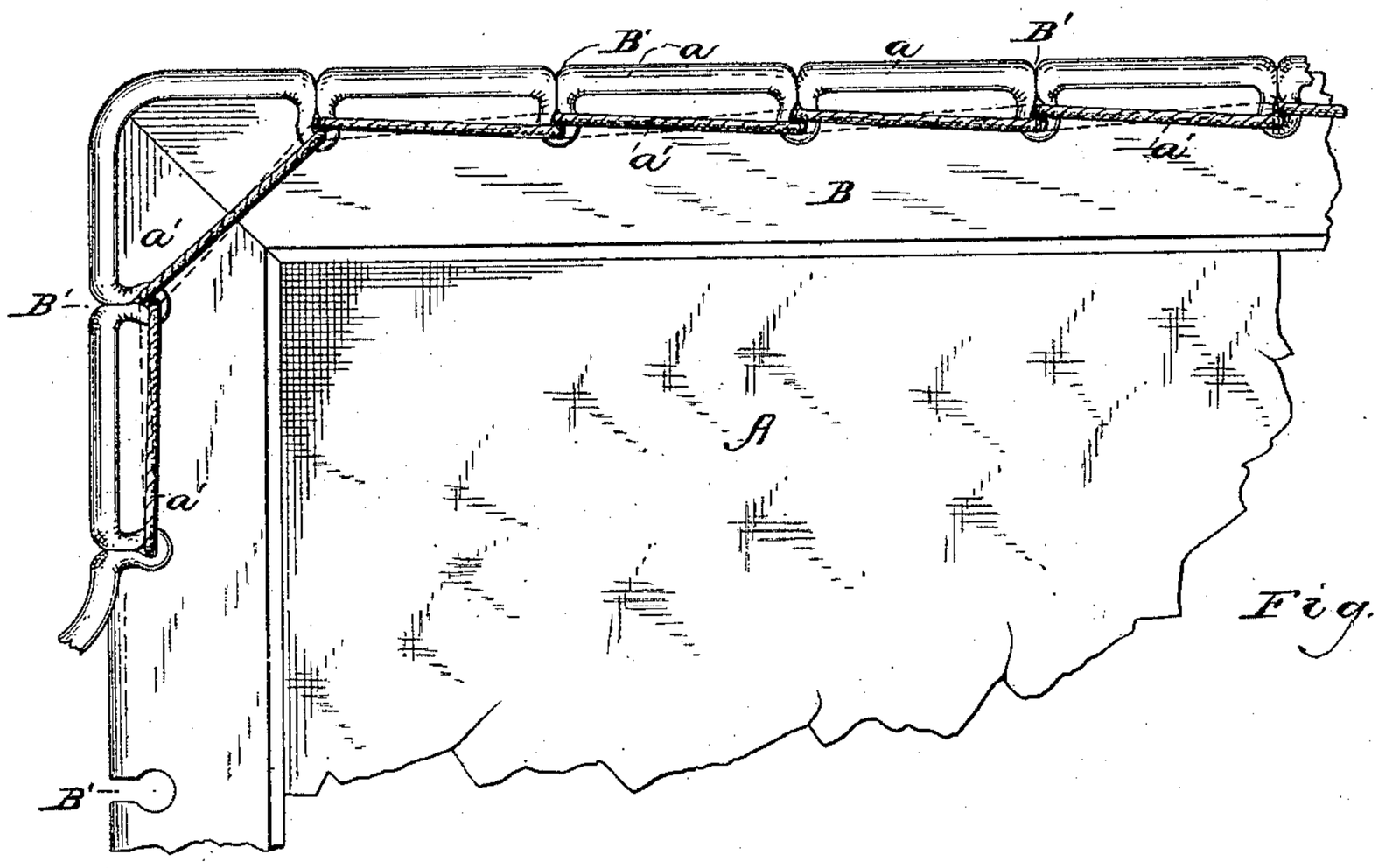


Fig. 1.

Fig. 2.

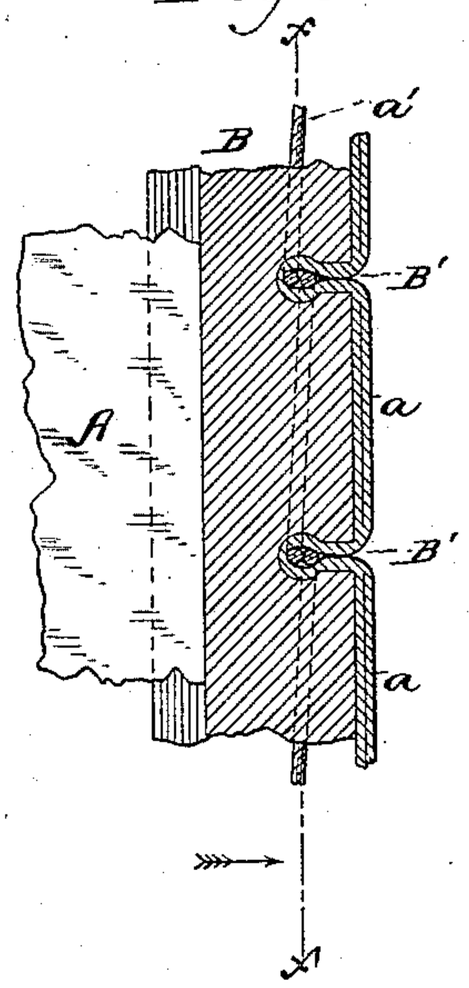
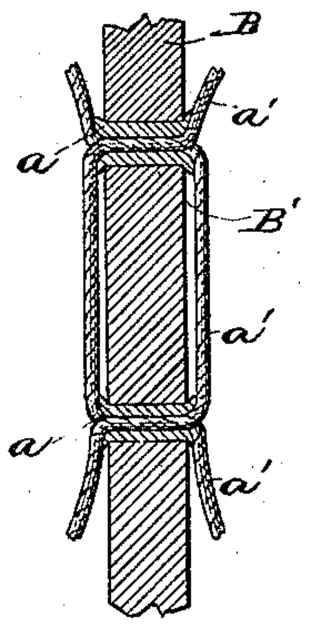


Fig. 3.



Witnesses.

Horace Frank Fuller.

W. S. Baker.

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UNITED STATES PATENT OFFICE.

JOSEPH RIDGE, OF CHICAGO, ILLINOIS, ASSIGNOR TO AUGUSTUS WARNER AND JOHN H. BEERS, BOTH OF SAME PLACE.

NOISELESS SLATE.

SPECIFICATION forming part of Letters Patent No. 298,891, dated May 20, 1884.

Application filed November 19, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH RIDGE, of the city of Chicago, county of Cook, and State of Illinois, have invented new and useful Improvements in Noiseless Slates, of which the following is a full and complete description, reference being had to the accompanying drawings.

My invention relates to a modification of an improvement in noiseless slates for which Letters Patent of the United States were granted to me on the 5th day of June, 1883, No. 278,744. In the instance referred to a strip of cloth or other suitable material is drawn around the edge of the slate-frame and secured by means of notches in said frame and by keys securing the strip therein. By this construction a noiseless side contact is dependent entirely upon said strip, whose edges project beyond the limit in thickness of the slate-frame. A corded fabric is thought to be more durable than a loom-woven material; and to the furtherance of this object my present invention is designed. In the present example the edge of the slate-frame is notched in a "dovetailed" form, though recesses whose sides are parallel will serve the purpose.

In the drawings, Figure 1 represents a side view of a section of the slate and frame embracing a corner. Fig. 2 is a section dividing the frame parallel to the plane of the slate-tablet. Fig. 3 is a cross-section of the frame on a line near the inner terminals of the recesses.

A represents the slate-tablet; B, the slate-frame. *a* is the muffling-strip, and *a'* is a muffling and binding cord.

B' represents the notches or recesses in the frame. Said notches B', for a better appearance of the slate when muffled and to a better protection of the sides of the frame, should occur at or about even intervals around the edge of said frame.

As apparent from the drawings, strip *a* is drawn into each recess, where it is secured by the tightly-drawn and interlacing cord *a'*. By the combination of cord and cloth, as herein shown and set forth, a cord of proportionate and reasonable diameter, and not too far removed from the edge of the slate-frame, in combination with a strip no wider than the thickness of said frame, will protect the latter from solid contact with the desk—that is, if the cord is placed proportionately to its diameter sufficiently near the edge of the frame, an angle drawn from its upper surface to the edge of strip *a*, although the latter does not extend to a greater distance than the thickness of said frame, will protect any uncovered portion of the latter from contact. The greater use of the slate, and consequent wear, is on the sides of the slate-frame. When muffled as herein described, the burden of this wear is sustained by the cord, the cloth strip being only incidentally brought into contact with the desk.

In Fig. 3 the cord is shown removed from the sides of the frame to better define it, though in practical use it is drawn tightly.

Having thus fully described my said invention, what I claim, and desire to secure by Letters Patent, is—

In combination with a slate-frame provided with notches or recesses, the strip *a*, conforming to the indented edge of said frame, and the binding-cord *a'*, drawn directly from notch to notch, substantially as and for the purpose set forth.

JOSEPH RIDGE.

Witnesses:
S. B. CLARK,
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