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PATENTED NOV. 6, 1906.

G. A. WEBB.
GUITAR AND MANDOLIN BRIDGE.
APPLICATION FILED AUG. 19, 1905.

FIG. 4.

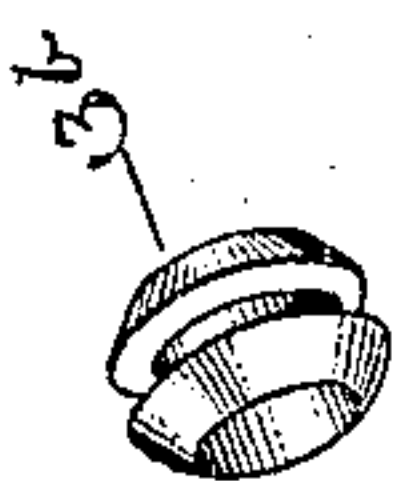


FIG. 2.

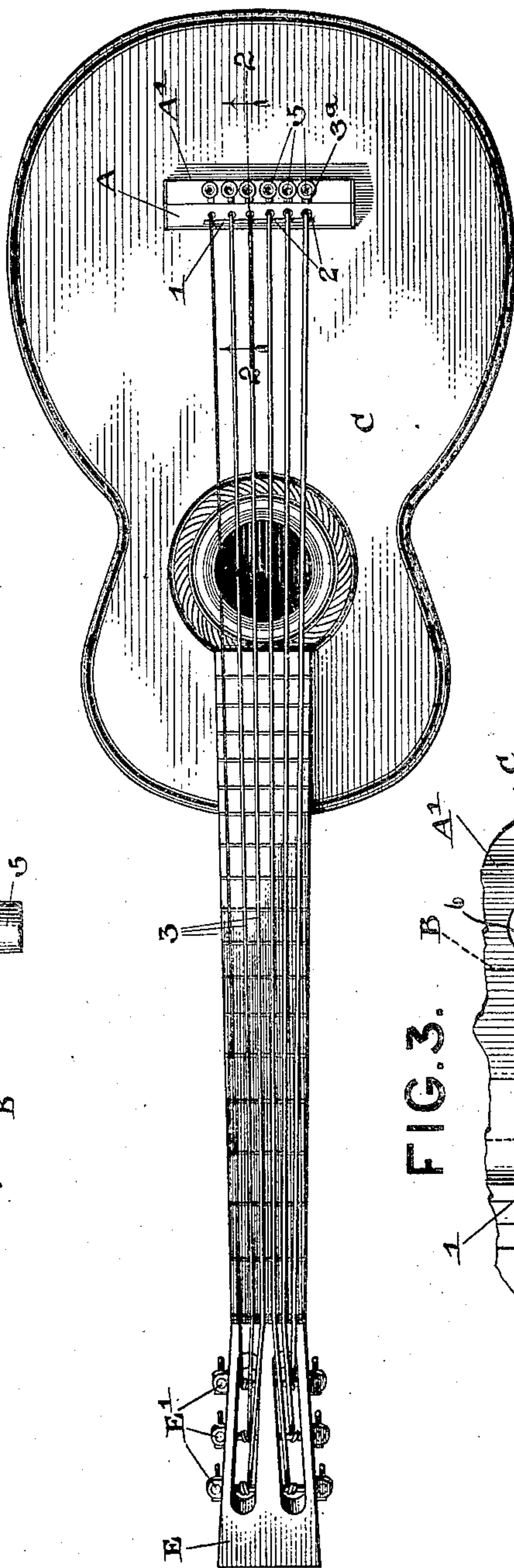
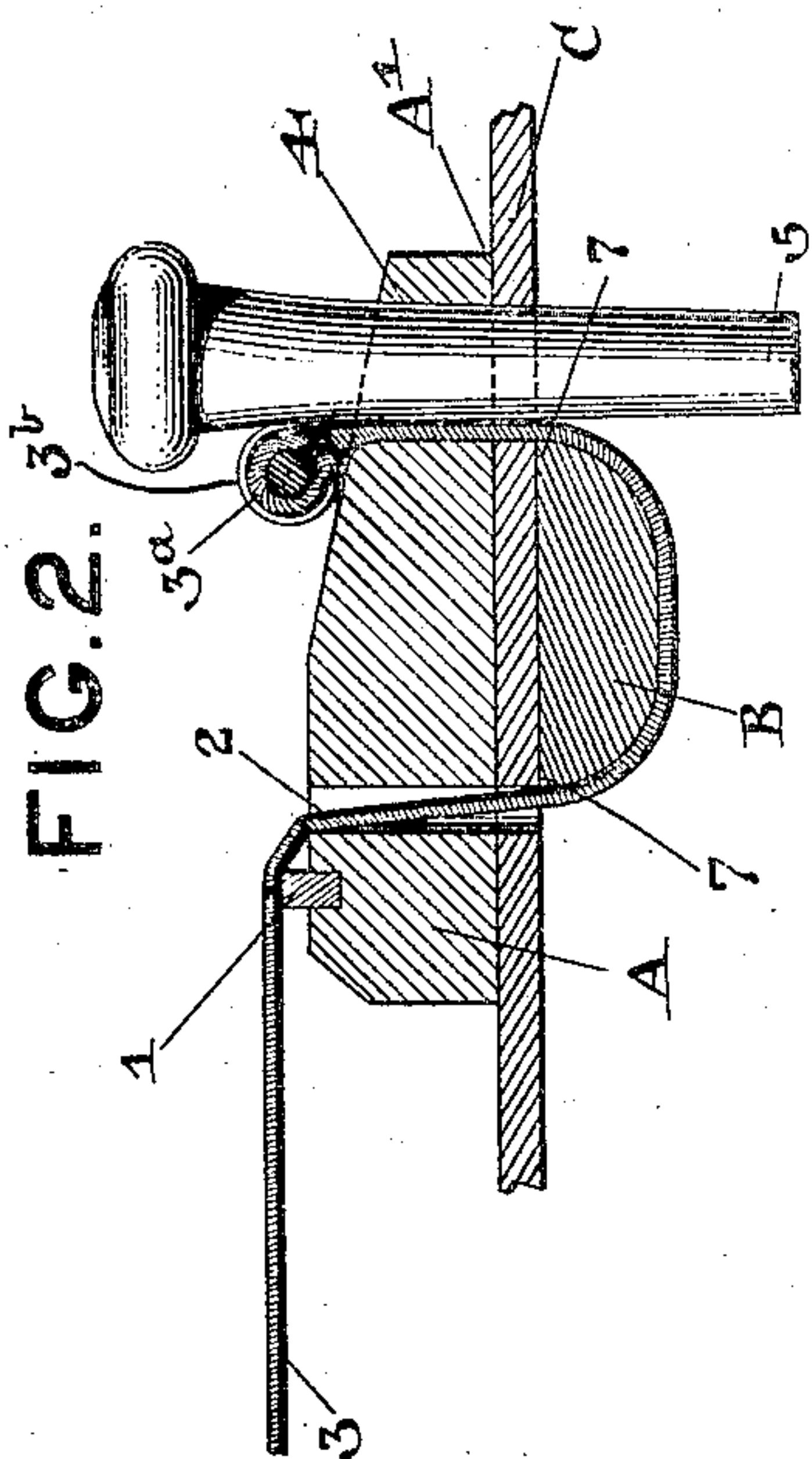
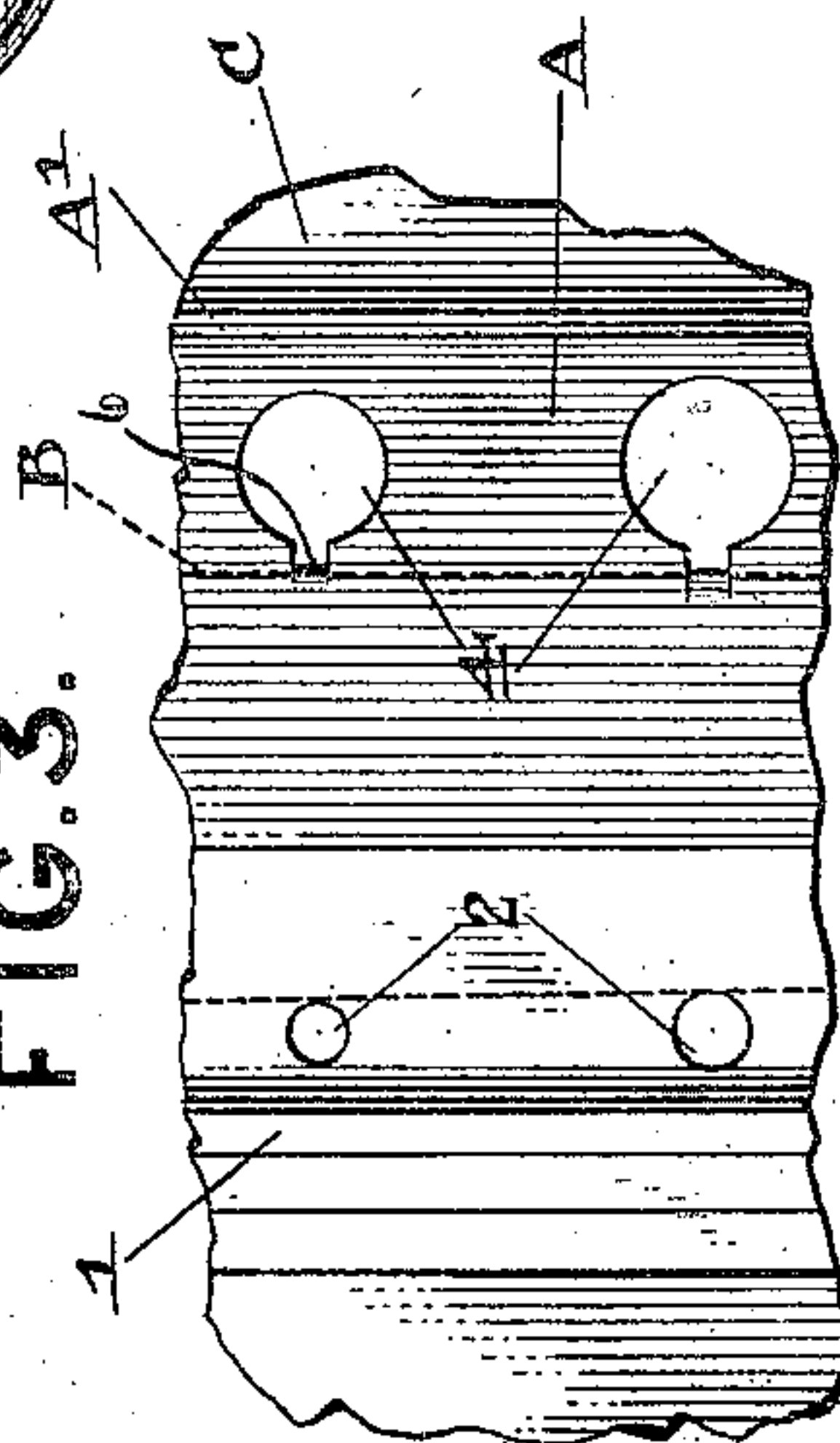


FIG. 1.

FIG. 3.



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UNITED STATES PATENT OFFICE.

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GUITAR AND MANDOLIN BRIDGE.

No. 835,085.

Specification of Letters Patent.

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Application filed August 19, 1905. Serial No. 274,958.

To all whom it may concern:

Be it known that I, GAY A. WEBB, a citizen of the United States, residing at Ann Arbor, in the county of Washtenaw and State of Michigan, have invented certain new and useful Improvements in Guitar and Mandolin Bridges; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in guitar and mandolin bridges; and it consists in the construction, combination, and arrangement of devices hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a top plan view of a guitar provided with a bridge embodying my invention. Fig. 2 is a detail sectional view of my improved bridge and of a portion of the sounding-board, taken on the plane indicated by the line 2 2 of Fig. 1. Fig. 3 is a detail top plan view of a portion of the same, and Fig. 4 is a detail perspective view of one of the spools to which the strings are attached.

My improved guitar and mandolin bridge comprises an upper plate A and a subplate B, which are respectively disposed on the upper and lower sides of the sounding-board C. The plate A and sounding-board C are provided with transverse rows of openings 2 4, the former near the front and the latter near the rear of the said plate. Said openings 4 are for the reception of the tapered pins 5, and in the front sides of said openings are grooves 6. The crown 1 has its lower edge fitted in a transverse groove in the upper side of the plate A near the front side of said plate.

Each of the strings 3 is knotted, as at 3^a, around a spool 3^b, is then passed down through one of the grooves 6, then forwardly under the subplate B, and then upwardly through one of the openings 2 and forwardly over the crown 1.

It will be observed that the tension of the strings is exerted downwardly on the plate A and upwardly on the subplate B and is such as to tend to hold them securely to the sounding-board and effectually prevent them from being pulled loose therefrom. Said plate and subplate may be glued to the sounding-board, if desired; but this is not necessary, as the tension of the strings will securely hold them in place. The sides 7 of the subplate prevent the strings from cutting through the sounding-board.

When my improved bridge is used on a guitar or mandolin, the usual tailpiece may be discarded.

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

In a guitar, mandolin, or the like, the combination with a sounding-board C, having two transverse rows of apertures formed therein, and the strings 3, of the block or plate B, secured upon the under side of said board between said rows of apertures and having its lower longitudinal edges curved or rounded, the block or plate A secured upon the upper side of said board and formed with rows of apertures 2, 4, to aline with the apertures in said board, the apertures 4 being formed in their inner walls with grooves 6, spools 3^b having the bights or knots 3^a of the strings 3 turned about them, said strings being passed down through the grooves 6 in the apertures 4, then over the curved under face of the plate B and then up through the apertures 2, and the tapered pins 5 inserted in said apertures 4 to retain the strings in the grooves 6, substantially as described, and for the purpose set forth.

GAY A. WEBB.

Witnesses:

LEONA MARKS,
ERNEST COON.